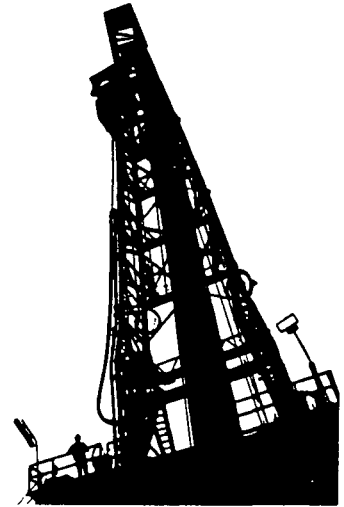


Appendix C



Drilling Contractor's Daily Drilling Reports

No. 36149

DAILY DRILLING REPORT REPORT NO.

LEASE: **Kennelott** WELL NO: **6** API WELL NUMBER: **6** DATE: **10-24-85**
 OPERATOR: **Bechtel/DOE** CONTRACTOR: **Cleveland** RIG NO.: **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*
 FIELD OFFICE: **Salmon** COUNTY: **Lincoln** STATE: **CA**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. RIG UP AND TEST LOG				
2. DRILLING	6			
3. REAMING	5			
4. COMING				
5. POSITIONING RIG				
6. CIRCULATE	2			
7. LUBRICATE RIG				
8. SHUT IN				
9. SHUT IN LINE				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS				
12. WIRE CAPPING				
13. COMBAT				
14. WAIT ON BIT				
15. SHUT IN				
16. SHUT IN				
17. TEST B.P.				
18. DRILL TEST FEET				
19. PLUG BACK				
20. SQUEEZE COMBAT				
21. PUMPING				
22. DR. WORK				
23.				
24. DEPTH FROM TO THE TOPS				
25. TRIPPING				
26. DR. WORK				
27.				
28. DEPTH FROM TO THE TOPS				
29. TRIPPING				
30. DR. WORK				
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NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	17 1/2 150	17 1/2 150	
2	H/O 400	H/O 400	
3	90 90.84	90 90.84	
4	30.49	30.49	
5	131.23	131.23	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	17 1/2 150	17 1/2 150	
2	H/O 400	H/O 400	
3	90 90.84	90 90.84	
4	30.49	30.49	
5	131.23	131.23	

FOOTAGE	FROM	TO	DE. D. CORE	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	NO. THIRD RIG
150	0	150	D		Sand & Clay	120	5/10	7	55	7	5

TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	1:00	1	6	6	makeup Bit & Holopauer
1:00	2:00	1	2	2	Dr's 26" Hole
2:00	3:00	1	2	"	"
3:00	4:00	1	2	"	"
4:00	5:00	1	2	"	"
5:00	6:00	1	2	"	"
6:00	7:00	1	2	"	"
7:00	8:00	1	6	6	POW Lay Down DC

FOOTAGE	FROM	TO	DE. D. CORE	CORE NO.	FORMATION	ROTARY RPM	WT. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	NO. THIRD RIG
9	0	141	PH		Sand & Clay	120	3/10	7	56	7	5

TIME LOG	FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
4:00	5	1	6	6	Open Hole
5	6	1	6	6	Open Hole
6	7	1	6	6	Give & POW Lay down hole spacer
7	8	1	6	6	Rig up to Run Csg.
8	9	1	6	6	Run Csg.
9	10	1	6	6	Run Csg. & Weld Csg.
10	11	1	6	6	Weld Csg.
11	12:00	1	6	6	Run Csg. & Pick up tubing

DRILLING CREW PAYROLL DATA
 DATE: 10-24-85
 WELL NAME & NO: 6
 COMPANY: Exch. 1
 TOOL PUSHER: Willard Mehall RIG NO. 6

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		W E Skoman JR	8
DRAWER		B B Brown	8
BITMAN		H C Ries	8
FIREMAN		G K Beverly	8
FIREMAN		B Schluchter	8

MORNING TOUR 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		D. Herman	8
DRAWER		D. Vantassel	8
BITMAN		D. Reuzelton	8
FIREMAN		C. Carter	8
FIREMAN		E. E. Neff	8

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R. Dahgash	8
DRAWER		V. D. Hudson	8
BITMAN		N. Swank	8
FIREMAN		B. Fartin	8
FIREMAN		J. Carr	8

No. 36150

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kennecott, WELL NO. 566 2-19, API WELL NUMBER, DATE 10-25-85, OPERATOR Bechtel/DOE, CONTRACTOR Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE, SIGNATURE OF CONTRACTOR'S TOOL PUSHER, FIELD OR DIST. Saltan Sea, COUNTY Imperial, STATE Calif.

WIRE LINE RECORD, WELL NO., SIZE, HOLE LENGTH, PT. CUT OFF, DEPTH, FORMATION, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLING CREW PAYROLL DATA, DATE 10-25-85, WELL NAME & NO. STATE 2-19, COMPANY Bechtel/D.O.E., TOOL PUSHER, RIG NO. 6

TIME DISTRIBUTION - HOURS table with columns for CODE, OPERATION, HOURS, DAY, EYE

FOOTAGE, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for Morning Tour

MORNING TOUR 12:00 P.M. 8:00 A.M. CREW LIST with names and hours

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD table for Day Tour

FOOTAGE, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for Day Tour

DAY TOUR 8 A.M. 7 P.M. CREW LIST with names and hours

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD table for Evening Tour

FOOTAGE, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS for Evening Tour

EVENING TOUR 4:00 P.M. 12:00 A.M. CREW LIST with names and hours

No. 36151

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott, WELL NO: State 271, DATE: 10-26-85. OPERATOR: Bechtel/Doe, CONTRACTOR: Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE: Willard, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Willard.

FIELD OR DIST: Salton Sea, COUNTY: Imperial, STATE: Calif. WELL NO: 10, FT. CLIPPED: 150. DEPTH: 30, MAKE: NISOO, TYPE: N1500, 16".

WIRE LINE RECORD: WELL NO: 10, FT. CUT OFF: 150, PAPER LENGTH: 150. TOOLS OR TRIPS SINCE LAST CUT: 7.

DRILLING CREW PAYROLL DATA: WELL NAME & NO: State 2-74, COMPANY: Bechtel/D.O.E, TOOL PUSHER: Willard. CREW LIST: DRILLER: W.E. Cronan JR., DREMAN: B.B. Brown, etc.

TIME DISTRIBUTION - HOURS: MORN, DAY, EVE. 5 6 1 1 2

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD for 150' depth. Includes bit number, weight, pressure gradient, etc.

FOOTAGE, FORMATION (NIPPLE), DEVIATION RECORD, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Fuel 65, Nipple up.

DAY FOUR: MORN, DAY, EVE. 5 A.M. CREW LIST: DRILLER: W.E. Cronan JR., DREMAN: B.B. Brown, etc.

DRILLING CREW PAYROLL DATA for Day Four. CREW LIST: DRILLER: W.E. Cronan JR., DREMAN: B.B. Brown, etc.

TIME DISTRIBUTION - HOURS: MORN, DAY, EVE. 2

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD for 393' depth. Includes bit number, weight, pressure gradient, etc.

FOOTAGE, FORMATION (Sand & Clay), DEVIATION RECORD, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: 30" Rope inspected OK. R. Cut by D-O-C.

DAY FOUR: MORN, DAY, EVE. 5 A.M. CREW LIST: DRILLER: W.E. Cronan JR., DREMAN: B.B. Brown, etc.

DRILLING CREW PAYROLL DATA for Day Four. CREW LIST: DRILLER: W.E. Cronan JR., DREMAN: B.B. Brown, etc.

TIME DISTRIBUTION - HOURS: MORN, DAY, EVE. 8 8 8

DRILLING ASSEMBLY, BIT RECORD, MUD RECORD for 393' depth. Includes bit number, weight, pressure gradient, etc.

FOOTAGE, FORMATION (Sand + Clay), DEVIATION RECORD, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: No Tight hole - No Fill & Dry.

DAY FOUR: MORN, DAY, EVE. 4:00 P.M. 12:00 P.M. CREW LIST: DRILLER: R. Dahagash, DREMAN: J.D. Hudson, etc.

DRILLING CREW PAYROLL DATA for Day Four. CREW LIST: DRILLER: R. Dahagash, DREMAN: J.D. Hudson, etc.

IADC-API OFFICIAL DAILY DRILLING REPORT FORM

No. 36152

DAILY DRILLING REPORT REPORT NO.

LEASE KennaCott WELL NO 5702-2-14 API WELL NUMBER DATE 10-27-85 OPERATOR Bechtel / Doe CONTRACTOR Cleveland

WIRE LINE RECORD REEL NO. 10 FT. FLIPPED 10 SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Gresh SIGNATURE OF CONTRACTOR'S TOOL PUSHER Willard Niekel

DRILLING CREW PAYROLL DATA DATE 10-27-85 WELL NAME & NO. State 2-14 COMPANY Bechtel / Doe

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE 378 TABLE with columns for FROM, TO, FORMATION (Sand & Clay), and DEVIATION RECORD.

MORNING TOUR 12:00 P.M. 8:00 A.M. CREW LIST including W.E. Cronan JR, B.B. Brown, H.E. Bies, G.K. Byerly, B.J. Schlachter.

NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE 455 TABLE with columns for FROM, TO, FORMATION (Sand & Clay), and DEVIATION RECORD.

DAY TOUR 8 A.M. CREW LIST including M. Heaman, D. Contrass, C. Contrass, E.E. Hoff, M.E. 9611 Rocky Harris.

NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE 344 TABLE with columns for FROM, TO, FORMATION (Sand & Clay), and DEVIATION RECORD.

EVENING TOUR 4:00 P.M. 12:00 P.M. CREW LIST including P. Dabansh, V.D. Hudson, R. Swank, B. Forlin, J. Carr, K.S. DA, Held B.O.P. Drill & Safety.

No. 36153

DAILY DRILLING REPORT REPORT NO.

LEASE Kennebec	WELL NO. 274	API WELL NUMBER	DATE 10-28-85
OPERATOR Bachtel / Doe	CONTRACTOR Cleveland		RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>A.W. Smith</i> 10/28/85		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Wayland Nichel</i>	

FIELD OF DIST. Saltan Sec	COUNTY Imperial	STATE Calif	WIRE LINE RECORD REV. NO. 10
SIZE 30	NAME 4	FEET 150	PT. CLIPPED PRESENT LENGTH
LAST CALIB. TOOL OR LINE	DATE		

DRILLING CREW PAYROLL DATA
DATE 10-28-85
WELL NAME & NO. State 2-14
COMPANY Bachtel / Doe
TOOL PUSHER Wayland Nichel RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILLING	1	150 FT	BRJ No	TIME 12.00 4.00 7.00
2. TRIP	2	3.63	DIS 17.5	SIZE 9.2 9.2 9.2
3. MAKE UP	3	92.58	TPS	PRIC. SEC 59 59 48
4. CONDUIT	4	11.17	JETS 16/16/18	P.V. TP 7 7 7
5. CONNECTION	5	90.82	CON. NO. A18128	W.C.C.'S
6. TRIP	6	12.80	DEPTH OUT 10.35	W.C.C.'S
7. MAKE UP	7	28.73	DEPTH IN 150	W.C.C.'S
8. CONDUIT	8	1.53	TOTAL F.T. 850	W.C.C.'S
9. CONNECTION	9	BHA 585.44	CON. NO. 1934	W.C.C.'S
10. TRIP	10	360.45	CON. NO. 1934	W.C.C.'S
11. MAKE UP	11	402.95	CON. NO. 1934	W.C.C.'S
12. CONNECTION	12	30	CON. NO. 1934	W.C.C.'S
TOTAL		110,000		

FOOTAGE	NO. OF STRINGS	FORMATION	ROTARY RPM	W.T. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.C.C. NO.	W.C.C. TYPE
FROM 999 TO 1000	R	Sand & clay	120	7/10	200	7	33	7	P
FROM 1000 TO 1032	D	"	120	7/15	200	7	33	7	P
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
12.00	1:00	1	3	Ream to 1000					
1:00	2:00	1	3	Dtg.					
2:00	3:00	1	3	"					
3:00	4:00	1	3	"					
4:00	5:00	1	3	"					
5:00	6:00	1	3	"					
6:00	7:00	1/4	2-5	1/4 Dets 1/4 Circ. wipe Hole					
7:00	8:00	1/2	6-5	1/2 Wipe Hole to shoe 1/2 Circ					

CREW	SOC. SEC. NO.	NAME	HRS.	A.M.
DRILLER		W.C. Croan, JR	8	
DREMAN		B.B. Brown	8	
MTRMAN		H.E. Ries	8	
FIREMAN		G.K. Byerly	8	
FLMANN		B.J. Schlachter	8	
FRANKE				

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	150 FT	BRJ No	TIME 12.00 4.00 7.00
2	3.63	DIS 17.5	SIZE 9.2 9.2 9.2
3	92.58	TPS	PRIC. SEC 59 59 48
4	11.17	JETS 16/16/18	P.V. TP 7 7 7
5	90.82	CON. NO. A18128	W.C.C.'S
6	12.80	DEPTH OUT 10.35	W.C.C.'S
7	28.73	DEPTH IN 150	W.C.C.'S
8	1.53	TOTAL F.T. 850	W.C.C.'S
9	BHA 585.44	CON. NO. 1934	W.C.C.'S
10	360.45	CON. NO. 1934	W.C.C.'S
11	402.95	CON. NO. 1934	W.C.C.'S
12	30	CON. NO. 1934	W.C.C.'S
TOTAL			

FOOTAGE	NO. OF STRINGS	FORMATION	ROTARY RPM	W.T. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.C.C. NO.	W.C.C. TYPE
FROM 1032 TO 1034	R	Sand & clay	200	7/33	200	7	33	7	P
FROM 1034 TO 1036	R	"	200	7/33	200	7	33	7	P
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	9	1	5	"					
9	10	1	6	Ream & Sweep @ 1032					
10	11	1	6	"					
11	12	1	12	Ream to Run Case					
12	1	1	12	Run Case					
1	2	1	12	"					
2	3	1	12	"					
3	4	1	12	"					

CREW	SOC. SEC. NO.	NAME	HRS.	P.M.
DRILLER		R.A. Heaman	8	
DREMAN		D. Koutasch	8	
MTRMAN		C. Conroy	8	
FIREMAN		E.P. Hoff	8	
FLMANN		Ruby Harris	8	
FRANKE				

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	150 FT	BRJ No	TIME 12.00 4.00 7.00
2	3.63	DIS 17.5	SIZE 9.2 9.2 9.2
3	92.58	TPS	PRIC. SEC 59 59 48
4	11.17	JETS 16/16/18	P.V. TP 7 7 7
5	90.82	CON. NO. A18128	W.C.C.'S
6	12.80	DEPTH OUT 10.35	W.C.C.'S
7	28.73	DEPTH IN 150	W.C.C.'S
8	1.53	TOTAL F.T. 850	W.C.C.'S
9	BHA 585.44	CON. NO. 1934	W.C.C.'S
10	360.45	CON. NO. 1934	W.C.C.'S
11	402.95	CON. NO. 1934	W.C.C.'S
12	30	CON. NO. 1934	W.C.C.'S
TOTAL			

FOOTAGE	NO. OF STRINGS	FORMATION	ROTARY RPM	W.T. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.C.C. NO.	W.C.C. TYPE
FROM 1036 TO 1100	R	Sand & clay	200	7/33	200	7	33	7	P
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4:00	5	1	5	Run Csg.					
5	6	1	6	Run Csg.					
6	7	1	7	Circ.					
7	8	1	8	Circ.					
8	9	1	9	Circ. Cement					
9	10	1	10	Circ. Cement					
10	11	1	11	Circ. Cement					

CREW	SOC. SEC. NO.	NAME	HRS.	P.M.
DRILLER		R. Daharsh	8	
DREMAN		D.D. Hudson	8	
MTRMAN		R. Swank	8	
FIREMAN		B. Latta	8	
FLMANN		J. Carr	8	
FRANKE				

No. 36154

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** WELL NO. **State 2-14** API WELL NUMBER **10-29-85** DATE **10-29-85**
 OPERATOR **Bechtel/Doe** CONTRACTOR **Cleveland** RIG NO. **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **S.W. Smith 10/29/85** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **W. J. ...**

FIELD OR DIST. **Salt Lake** COUNTY **Imperial** STATE **Calif**
 SIZE LINE RECORDED **10** FEET
 VTL. CUT OFF **150** FEET
 FORMATION (SHOW CORE RECOVERY) **1032**

DRILLING CREW PAYROLL DATA
 DATE **10-29-85**
 WELL NAME & NO. **State 2-14**
 COMPANY **Bechtel/Doe**
 TOOL PUSHER **W. J. ...** RIG NO. **6**

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (Last 24 hours)				BIT RECORD				MUD RECORD													
1. DRILLING	2. HOIST	3. RIGGING	4. CONING	5. POSITIONING	6. TRIP	7. LUBRICATING	8. REPAIR	9. MAKE LINE	10. OPERATION	11. MAKE LINE LOSS	12. CLEANING	13. WAIT ON	14. CEMENT	15. MAKE UP	16. TEST B.P.	17. DRILL STOP TEST	18. PLUG BACK	19. SHUTTER CURRENT	20. FISHING	21. END WORK	22.	23.	24.	25.	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		DEVIATION RECORD		FORMATION (SHOW CORE RECOVERY)		ROTARY SPEED		VTL. CUT OFF		PUMP NO. 1		PUMP NO. 2		PUMP NO. 3	
1032															
12:00	1:00	1	13	W.O.C.	Clean Cellar										
1:00	2:00	1	13	" "	" "										
2:00	3:00	1	13	" "	" "										
3:00	4:00	1	13	" "	" "										
4:00	5:00	1	14	Turn base of Casings	Lay Down Cement Headset out table										
5:00	6:00	1	14	Cut off 20" casing	Lay Down 30" Bag										
6:00	7:00	1	14	Lay Down Bag	Mud X Clean										
7:00	8:00	1	14	Lay Down Bag	Mud X Clean										

MORNING TOUR 12:00				P.M. 8:00				A.M.			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan JR.	8	DRILLER		B.B. Brown	8	DRILLER			
DRAWER		H.E. Bies	8	DRAWER		G.K. Byerly	8	DRAWER			
MUDMAN		D.J. Schlachter	8	MUDMAN				MUDMAN			
FIREMAN				FIREMAN				FIREMAN			
FLANMAN				FLANMAN				FLANMAN			
TRAMP				TRAMP				TRAMP			

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (Last 24 hours)				BIT RECORD				MUD RECORD													
1. DRILLING	2. HOIST	3. RIGGING	4. CONING	5. POSITIONING	6. TRIP	7. LUBRICATING	8. REPAIR	9. MAKE LINE	10. OPERATION	11. MAKE LINE LOSS	12. CLEANING	13. WAIT ON	14. CEMENT	15. MAKE UP	16. TEST B.P.	17. DRILL STOP TEST	18. PLUG BACK	19. SHUTTER CURRENT	20. FISHING	21. END WORK	22.	23.	24.	25.	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		DEVIATION RECORD		FORMATION (SHOW CORE RECOVERY)		ROTARY SPEED		VTL. CUT OFF		PUMP NO. 1		PUMP NO. 2		PUMP NO. 3	
1032															
8	9	1	14	4 1/2 Well Head	Head of Cut off Cass										
9	10	1	14	Head	New Well Head of Well										
10	11	1	14	Weld											
11	12	1	14	Weld											
12	1	1	14	Set in COP	4 1/2 Well										
1	2	1	14												
2	3	1	14												
3	4	1	14												

DAY TOUR 8:00 A.M.				P.M. 4:00				EVENING TOUR 7:00				P.M. 12:00			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.H. Heiman	8	DRILLER		DAVID MADHUS	8	DRILLER		DAVID TREWENTON	8	DRILLER			
DRAWER		C. Cantrell	8	DRAWER		BRUCE HENDRY	8	DRAWER		TOM SIEGALL	8	DRAWER			
MUDMAN		E.E. Hoff	8	MUDMAN		LUCKY WICKS	8	MUDMAN				MUDMAN			
FIREMAN		Rocky Harris	8	FIREMAN				FIREMAN				FIREMAN			
FLANMAN				FLANMAN				FLANMAN				FLANMAN			
TRAMP		No Acc		TRAMP				TRAMP				TRAMP			

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (Last 24 hours)				BIT RECORD				MUD RECORD													
1. DRILLING	2. HOIST	3. RIGGING	4. CONING	5. POSITIONING	6. TRIP	7. LUBRICATING	8. REPAIR	9. MAKE LINE	10. OPERATION	11. MAKE LINE LOSS	12. CLEANING	13. WAIT ON	14. CEMENT	15. MAKE UP	16. TEST B.P.	17. DRILL STOP TEST	18. PLUG BACK	19. SHUTTER CURRENT	20. FISHING	21. END WORK	22.	23.	24.	25.	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		DEVIATION RECORD		FORMATION (SHOW CORE RECOVERY)		ROTARY SPEED		VTL. CUT OFF		PUMP NO. 1		PUMP NO. 2		PUMP NO. 3	
1032															
4	5	1	14	NIPPLE UP BAG											
5	6	1	14												
6	7	1	14												
7	8	1	14												
8	9	1	14												
9	10	1	14												
10	11	1	14												
11	12	1	14												

DAY TOUR 8:00 A.M.				P.M. 4:00				EVENING TOUR 7:00				P.M. 12:00			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER				DRILLER				DRILLER				DRILLER			
DRAWER				DRAWER				DRAWER				DRAWER			
MUDMAN				MUDMAN				MUDMAN				MUDMAN			
FIREMAN				FIREMAN				FIREMAN				FIREMAN			
FLANMAN				FLANMAN				FLANMAN				FLANMAN			
TRAMP				TRAMP				TRAMP				TRAMP			

No. 36155

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott WELL NO. 274-19 API WELL NUMBER 10-30-85 DATE 10-30-85 OPERATOR Bechtel/DoE CONTRACTOR Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Smith SIGNATURE OF CONTRACTOR'S TOOL PUSHER W. Ireland

FIELD NO. 2032 NAME ASS 94 COUNTY Imperial STATE Calif. WIRE LINE RECORD 1032

DRILLING CREW PATROLL DATA DATE 10-30-85 WELL NAME & NO. State 2-1-4 COMPANY Bechtel/DoE

TIME DISTRIBUTION - HOURS Table with columns for operation, hours, and days.

FOOTAGE RECORD Table with columns for depth, direction, and formation.

MORNING TOUR 12:00 P.M. 8:00 Table listing crew members and hours.

DRILLING ASSEMBLY BIT RECORD MID RECORD Table for well 1032.

FOOTAGE RECORD Table for well 1032.

DAY TOUR 8 A.M. 7 P.M. Table listing crew members.

DRILLING ASSEMBLY BIT RECORD MID RECORD Table for well 1273.

FOOTAGE RECORD Table for well 1273.

EVENING TOUR 4:00 P.M. 12:00 P.M. Table listing crew members.

No. 36156

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT				WELL NO. STATE 2-14				API WELL NUMBER				DATE 10-31-85			
OPERATOR BECHTEL / DOE				CONTRACTOR CLEVELAND				FIELD OR DIST. SALTON SEA				COUNTY IMPERIAL			
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>B.W. Smith 10/31/85</i>				SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>William Mitchell</i>				STATE CAL				WIRE LINE RECORD			
D.P. WTS 5 19.5 E				TOOL JOINT 4 1/2 14				SIZE 30				WEL NO. 10			
D.P. WTS 5 19.5 G				TYPE THROTT 4 1/2 14				SIZE 20				PT. CUT OFF 1032			
PUMP NO. 1				PUMP MANUFACTURER NATIONAL				NO. JOBS 9				PT. CUT OFF 1032			
TYPE N1300				SERIAL NO. 16				NO. JOBS 25				PT. CUT OFF 1032			
TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY				BIT RECORD				MWD RECORD			
1. DRILL AT TAIL				2. DRILL AT TAIL				3. DRILL AT TAIL				4. DRILL AT TAIL			
5. DRILL AT TAIL				6. DRILL AT TAIL				7. DRILL AT TAIL				8. DRILL AT TAIL			
9. DRILL AT TAIL				10. DRILL AT TAIL				11. DRILL AT TAIL				12. DRILL AT TAIL			
13. DRILL AT TAIL				14. DRILL AT TAIL				15. DRILL AT TAIL				16. DRILL AT TAIL			
17. DRILL AT TAIL				18. DRILL AT TAIL				19. DRILL AT TAIL				20. DRILL AT TAIL			
21. DRILL AT TAIL				22. DRILL AT TAIL				23. DRILL AT TAIL				24. DRILL AT TAIL			
25. DRILL AT TAIL				26. DRILL AT TAIL				27. DRILL AT TAIL				28. DRILL AT TAIL			
29. DRILL AT TAIL				30. DRILL AT TAIL				31. DRILL AT TAIL				32. DRILL AT TAIL			
33. DRILL AT TAIL				34. DRILL AT TAIL				35. DRILL AT TAIL				36. DRILL AT TAIL			
37. DRILL AT TAIL				38. DRILL AT TAIL				39. DRILL AT TAIL				40. DRILL AT TAIL			
41. DRILL AT TAIL				42. DRILL AT TAIL				43. DRILL AT TAIL				44. DRILL AT TAIL			
45. DRILL AT TAIL				46. DRILL AT TAIL				47. DRILL AT TAIL				48. DRILL AT TAIL			
49. DRILL AT TAIL				50. DRILL AT TAIL				51. DRILL AT TAIL				52. DRILL AT TAIL			
53. DRILL AT TAIL				54. DRILL AT TAIL				55. DRILL AT TAIL				56. DRILL AT TAIL			
57. DRILL AT TAIL				58. DRILL AT TAIL				59. DRILL AT TAIL				60. DRILL AT TAIL			
61. DRILL AT TAIL				62. DRILL AT TAIL				63. DRILL AT TAIL				64. DRILL AT TAIL			
65. DRILL AT TAIL				66. DRILL AT TAIL				67. DRILL AT TAIL				68. DRILL AT TAIL			
69. DRILL AT TAIL				70. DRILL AT TAIL				71. DRILL AT TAIL				72. DRILL AT TAIL			
73. DRILL AT TAIL				74. DRILL AT TAIL				75. DRILL AT TAIL				76. DRILL AT TAIL			
77. DRILL AT TAIL				78. DRILL AT TAIL				79. DRILL AT TAIL				80. DRILL AT TAIL			
81. DRILL AT TAIL				82. DRILL AT TAIL				83. DRILL AT TAIL				84. DRILL AT TAIL			
85. DRILL AT TAIL				86. DRILL AT TAIL				87. DRILL AT TAIL				88. DRILL AT TAIL			
89. DRILL AT TAIL				90. DRILL AT TAIL				91. DRILL AT TAIL				92. DRILL AT TAIL			
93. DRILL AT TAIL				94. DRILL AT TAIL				95. DRILL AT TAIL				96. DRILL AT TAIL			
97. DRILL AT TAIL				98. DRILL AT TAIL				99. DRILL AT TAIL				100. DRILL AT TAIL			

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED No. 36156

No. 36157

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott; WELL NO: 56E 2-19; API WELL NUMBER: 11-1-85; DATE: 11-1-85; OPERATOR: Bechtel/Doe; CONTRACTOR: Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]; S.P. NOS: 175, 195; GRADE: E, G; TYPE TOOL BIT: 4 1/2 IE, 4 1/2 IE; PUMP NO.: 1, 2; PUMP MANUFACTURER: National; TYPE: N1300, N1300

FIELD OR DIST: Salton Sea; COUNTY: Imperial; STATE: Calif; WIRE LINE RECORD: REEL NO. 10, 1032; DEPTH: 20; DIAMETER: 4; WEIGHT: 94; PRESSURE: 1032

DRILLING CREW PAYROLL DATA: DATE: 11-1-85; WELL NAME & NO.: State 2-14; COMPANY: Bechtel/Doe; TOOL PUSHER: [Signature]; RIG NO.: 6

TIME DISTRIBUTION - HOURS: Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes entries for 1.00, 8.00, 9.00, 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 24.00, 25.00, 26.00, 27.00, 28.00, 29.00, 30.00, 31.00, 32.00, 33.00, 34.00, 35.00, 36.00, 37.00, 38.00, 39.00, 40.00, 41.00, 42.00, 43.00, 44.00, 45.00, 46.00, 47.00, 48.00, 49.00, 50.00, 51.00, 52.00, 53.00, 54.00, 55.00, 56.00, 57.00, 58.00, 59.00, 60.00, 61.00, 62.00, 63.00, 64.00, 65.00, 66.00, 67.00, 68.00, 69.00, 70.00, 71.00, 72.00, 73.00, 74.00, 75.00, 76.00, 77.00, 78.00, 79.00, 80.00, 81.00, 82.00, 83.00, 84.00, 85.00, 86.00, 87.00, 88.00, 89.00, 90.00, 91.00, 92.00, 93.00, 94.00, 95.00, 96.00, 97.00, 98.00, 99.00, 100.00

FOOTAGE 97; FORMATION (SHOW CORE RECOVERY): Sand & siltstone; DEVIATION RECORD: Table with columns for DEPTH, DEV., DIRECTION; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Acc. ok. Core OK. Fuel 38. Depth @ 6:00 1983

MORNING TOUR 12:00 P.M. 8:00 A.M.; CREW: DRILLER (W.E. Cronan JR), DREAM (B.B. Brown), MTRMAN (H.E. Rice), FIREMAN (G.K. Byerly), FLNMAN (B.J. Schlaefer)

NO. DRILLING ASSEMBLY; BIT RECORD; MUD RECORD: Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes entries for 12.00, 13.00, 14.00, 15.00, 16.00, 17.00, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 24.00, 25.00, 26.00, 27.00, 28.00, 29.00, 30.00, 31.00, 32.00, 33.00, 34.00, 35.00, 36.00, 37.00, 38.00, 39.00, 40.00, 41.00, 42.00, 43.00, 44.00, 45.00, 46.00, 47.00, 48.00, 49.00, 50.00, 51.00, 52.00, 53.00, 54.00, 55.00, 56.00, 57.00, 58.00, 59.00, 60.00, 61.00, 62.00, 63.00, 64.00, 65.00, 66.00, 67.00, 68.00, 69.00, 70.00, 71.00, 72.00, 73.00, 74.00, 75.00, 76.00, 77.00, 78.00, 79.00, 80.00, 81.00, 82.00, 83.00, 84.00, 85.00, 86.00, 87.00, 88.00, 89.00, 90.00, 91.00, 92.00, 93.00, 94.00, 95.00, 96.00, 97.00, 98.00, 99.00, 100.00

FOOTAGE 225; FORMATION (SHOW CORE RECOVERY): Siltstone Sand; DEVIATION RECORD: Table with columns for DEPTH, DEV., DIRECTION; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Core, Core, Core, Core to 2015 & P.O.H., P.O.H., P.O.H. - Service Core barrel, Lay Core barrel down & Make up Drlg. Assy., P.O.H., P.O.H. & Record 1983 to 2000

DAY TOUR 8:00 A.M. 4:00 P.M.; CREW: DRILLER (P. Dahgash), DREAM (V.D. Hudson), MTRMAN (R. Swank), FIREMAN (R. Fortin), FLNMAN (J. Carr)

NO. DRILLING ASSEMBLY; BIT RECORD; MUD RECORD: Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes entries for 17.00, 18.00, 19.00, 20.00, 21.00, 22.00, 23.00, 24.00, 25.00, 26.00, 27.00, 28.00, 29.00, 30.00, 31.00, 32.00, 33.00, 34.00, 35.00, 36.00, 37.00, 38.00, 39.00, 40.00, 41.00, 42.00, 43.00, 44.00, 45.00, 46.00, 47.00, 48.00, 49.00, 50.00, 51.00, 52.00, 53.00, 54.00, 55.00, 56.00, 57.00, 58.00, 59.00, 60.00, 61.00, 62.00, 63.00, 64.00, 65.00, 66.00, 67.00, 68.00, 69.00, 70.00, 71.00, 72.00, 73.00, 74.00, 75.00, 76.00, 77.00, 78.00, 79.00, 80.00, 81.00, 82.00, 83.00, 84.00, 85.00, 86.00, 87.00, 88.00, 89.00, 90.00, 91.00, 92.00, 93.00, 94.00, 95.00, 96.00, 97.00, 98.00, 99.00, 100.00

FOOTAGE 225; FORMATION (SHOW CORE RECOVERY): SAND & SILTSTONE; DEVIATION RECORD: Table with columns for DEPTH, DEV., DIRECTION; DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Accum. ok. Core ok. Core from 2000 to 2015 1/2 Drill 1/2. Core from 2015 survey & 2018 1/2. Drill from 2017

EVENING TOUR 4:00 P.M. 12:00 A.M.; CREW: DRILLER (DAVID MATHIS), DREAM (DAVID TRUBERTILLIN), MTRMAN (BAUKE HANNOR), FIREMAN (TOM STEGALL), FLNMAN (MIKE MURANO)

No. 36158

DAILY DRILLING REPORT REPORT NO.

Operator: Kennacott, Well No: Ado 2-14, Date: 11-2-85, Contractor: Cleveland Well Co., Signature of Operator Representative: S.W. Creich, Signature of Contractor's Tool Pusher: W. W. Mihal.

Field No: 58181, Comp: Imperial, State: Calif, Wire Line Record: 178, 10, 150, 1032.

Drilling Crew Payroll Data: Date: 11-2-85, Well Name & No: Ado 2-14, Company: B.H. Mihal / D.O.E., Tool Pusher: W. W. Mihal.

TIME DISTRIBUTION - HOURS table with columns for operation, work, day, and hours.

DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD table for the first section of the well.

DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD table for the second section of the well.

FOOTAGE 154', FORMATION: Sand & Siltstone, DEVIATION RECORD: 2279, 1045, 739.E.

FOOTAGE 55', FORMATION: Siltstone, Sand, DEVIATION RECORD: 2477, 10, N 16 E, Temp 138.

FOOTAGE 30', FORMATION: SAND-SILTSTONE, DEVIATION RECORD: 2477, 7, 10, 350, 7, 25, 7.

DRILLING CREW PAYROLL DATA table listing crew members: R.H. Heppner, D. VanHousel, C. Cantrell, E.E. Hoff, Rocky Harris.

DRILLING CREW PAYROLL DATA table listing crew members: R. Daghansh, V.D. Hudson, K. Swank, B. Fortin, J. Carr.

DRILLING CREW PAYROLL DATA table listing crew members: DAVID MALLIS, DAVID TOLSON, DAVE HUNTER, TOM STUBBS, MIKE MORGAN.

No. 36160

DAILY DRILLING REPORT REPORT NO.:

LEASE: Kennecott 5816 & 14 WELL NO: API WELL NUMBER: DATE: 11-4-85 OPERATOR: Buehler & Sons CONTRACTOR: Cleveland Drilling Co.

SIGNATURE OF OPERATOR'S REPRESENTATIVE: D.W. Beach SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Gardner FIELD OR OFF: 5816A SIZE: 20" NAME: K-55 PA WT. & DR. 4 NO. ADJUST: 25 FEET: 150 ONE TO COR. NO.: 1032 WY AT: 1482

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. DRILL AND TEST, 2. DRILL ACTUAL, 3. SPANNO, 4. CORING, 5. CONDITIONING, 6. TURNS, 7. LUBRICATE DRILL, 8. SPANNO, 9. DRILL LINE, 10. DEVIATION SURVEY, 11. WIRE LINE LOSS, 12. WIRE CAPPING, 13. RIG UP, 14. WIRE LINE TEST, 15. PLOG BACK, 16. SHUT-IN CHERRY, 17. PLOGGING, 18. END WORK, 19. TOTAL, 20. PERFECTION, 21. TROUBLE, 22. WASHING, 23. TESTING, 24. ADJUSTIVE, 25. TOTAL.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. 178, 2. 178, 3. 178, 4. 178, 5. 178, 6. 178, 7. 178, 8. 178, 9. 178, 10. 178, 11. 178, 12. 178, 13. 178, 14. 178, 15. 178, 16. 178, 17. 178, 18. 178, 19. 178, 20. 178, 21. 178, 22. 178, 23. 178, 24. 178, 25. 178.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. 178, 2. 178, 3. 178, 4. 178, 5. 178, 6. 178, 7. 178, 8. 178, 9. 178, 10. 178, 11. 178, 12. 178, 13. 178, 14. 178, 15. 178, 16. 178, 17. 178, 18. 178, 19. 178, 20. 178, 21. 178, 22. 178, 23. 178, 24. 178, 25. 178.

WIRE LINE RECORD: REEL NO.: 1482 NO. LINES: 10 FT. CLIPPED: 10 FT. CUT OFF: 1482

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 1. 2970, 2. 3030, 3. 3000, 4. 3000, 5. 3000, 6. 3000, 7. 3000, 8. 3000, 9. 3000, 10. 3000, 11. 3000, 12. 3000, 13. 3000, 14. 3000, 15. 3000, 16. 3000, 17. 3000, 18. 3000, 19. 3000, 20. 3000, 21. 3000, 22. 3000, 23. 3000, 24. 3000, 25. 3000.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 1. 2970, 2. 3000, 3. 3000, 4. 3000, 5. 3000, 6. 3000, 7. 3000, 8. 3000, 9. 3000, 10. 3000, 11. 3000, 12. 3000, 13. 3000, 14. 3000, 15. 3000, 16. 3000, 17. 3000, 18. 3000, 19. 3000, 20. 3000, 21. 3000, 22. 3000, 23. 3000, 24. 3000, 25. 3000.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 1. 3000, 2. 3000, 3. 3000, 4. 3000, 5. 3000, 6. 3000, 7. 3000, 8. 3000, 9. 3000, 10. 3000, 11. 3000, 12. 3000, 13. 3000, 14. 3000, 15. 3000, 16. 3000, 17. 3000, 18. 3000, 19. 3000, 20. 3000, 21. 3000, 22. 3000, 23. 3000, 24. 3000, 25. 3000.

DRILLING CREW PATROLL DATA: DATE: 11-4-85 WELL NAME & NO.: 5816 & 14 COMPANY: Buehler & Sons TOOL PUSHER: M. Gardner

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes rows for 1. R. Heeman, 2. D. Lightstall, 3. C. Cantrell, 4. E. H. H. H., 5. R. Heeman.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes rows for 1. R. Dohrsh, 2. V.D. Hudson, 3. R. Swank, 4. B. Fortin, 5. J. Carr.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes rows for 1. DAVID MORRIS, 2. DAVID LARWOOD, 3. BRUCE HENDERSON, 4. MIKE SICKALL, 5. MIKE COLEMAN.

No. 36161

DAILY DRILLING REPORT REPORT NO.

LEASE *Connacott State 2-11* WELL NO. API WELL NUMBER DATE *11-5-85*

OPERATOR *Bechtel & Coe* CONTRACTOR *Cleveland Data Co* RIG NO. *6*

SIGNATURE OF OPERATOR'S REPRESENTATIVE *D.W. Glavin* SIGNATURE OF CONTRACTOR'S TOOLPUSHER *W.M. Gardner*

D.P. RIG *19.5 E* GRADE *6 1/2* TYPE THROUGH *6 1/2* STIRROD NO. *1* PUMP NO. *1* PUMP MANUFACTURER *National* TYPE *7430* CARTRIDGE *16"*

FIELD OR DIST. *54th Sec* COUNTY *Imperial* STATE *Calif*

WIRE LINE RECORD REEL NO. *150* INCHES *10* FEET CLIPPED

LAST CABLE LOG OR LINE *30"* SIZE *20"* NAME *K-55* WT. & GR. *PH* NO. JOINTS *25* FEET *150* SET AT *1282*

TOOL JOBS OR TRIPS SINCE LAST CUT *1* CUMULATIVE TOP W. OF TRIPS

DRILLING CREW PAYROLL DATA

DATE *11-5-85*

WELL NAME & NO. *State 2-11*

COMPANY *Bechtel & Coe*

TOOLPUSHER *W.M. Gardner* RIG NO. *6*

TIME DISTRIBUTION - HOURS			
NO.	OPERATION	HOURS	DAY
1	DRILLING ASSEMBLY		
2	DRILLING		
3	DRILLING		
4	DRILLING		
5	DRILLING		
6	DRILLING		
7	DRILLING		
8	DRILLING		
9	DRILLING		
10	DRILLING		
11	DRILLING		
12	DRILLING		
13	DRILLING		
14	DRILLING		
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16	DRILLING		
17	DRILLING		
18	DRILLING		
19	DRILLING		
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21	DRILLING		
22	DRILLING		
23	DRILLING		
24	DRILLING		
25	DRILLING		
26	DRILLING		
27	DRILLING		
28	DRILLING		
29	DRILLING		
30	DRILLING		

FOOTAGE		DEPT. S. CORE. C.		CORR. NO.		FORMATION (SHOW CORE RECOVERY)						ROTARY RPM	WT. ON BIT (LBS.)	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	DISCH. RPM
FROM	TO																
3080																	
DEVIATION RECORD																	
DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION																	
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																	
Run Sonic Log Depth @ 100' = 3030																	
Total = 15"																	
Run Hole California																	
Run Hole California																	
Run Hole California																	
Run Hole California																	

MORNING TOUR 7:20 P.M. 3 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		M. Herman	8
DREWMAN		D. Vantass	8
WTRMAN		C. Galt	8
FIRMAN		E. F. Hoff	8
FIRMAN		J. Harris	8
FIRMAN			
FIRMAN			
FRANK			

No Acc

TIME DISTRIBUTION - HOURS			
NO.	OPERATION	HOURS	DAY
1	DRILLING ASSEMBLY		
2	DRILLING		
3	DRILLING		
4	DRILLING		
5	DRILLING		
6	DRILLING		
7	DRILLING		
8	DRILLING		
9	DRILLING		
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24	DRILLING		
25	DRILLING		
26	DRILLING		
27	DRILLING		
28	DRILLING		
29	DRILLING		
30	DRILLING		

FOOTAGE		DEPT. S. CORE. C.		CORR. NO.		FORMATION (SHOW CORE RECOVERY)						ROTARY RPM	WT. ON BIT (LBS.)	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	DISCH. RPM
FROM	TO																
3030																	
DEVIATION RECORD																	
DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION																	
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																	
Tear out Schlumberger & Rig up U.S.G.S.																	
Run Temp. & Caliper Log.																	
Run Temp. & Caliper Log.																	
Run Temp. & Caliper Log.																	
Run Temp. & Caliper Log.																	
Run Temp. & Caliper Log. & Tear out U.S.G.S.																	
R.H. - No tight hole - No Fill																	
Circ & Cond Mud 1/2 logs																	

DAY TOUR 5:00 A.M. 9:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Daharsh	8
DREWMAN		V. D. Hudson	8
WTRMAN		M. Swank	8
FIRMAN		B. Fortin	8
FIRMAN		J. Carr	8
FIRMAN			
FIRMAN			
FRANK			

NS - NA

TIME DISTRIBUTION - HOURS			
NO.	OPERATION	HOURS	DAY
1	DRILLING ASSEMBLY		
2	DRILLING		
3	DRILLING		
4	DRILLING		
5	DRILLING		
6	DRILLING		
7	DRILLING		
8	DRILLING		
9	DRILLING		
10	DRILLING		
11	DRILLING		
12	DRILLING		
13	DRILLING		
14	DRILLING		
15	DRILLING		
16	DRILLING		
17	DRILLING		
18	DRILLING		
19	DRILLING		
20	DRILLING		
21	DRILLING		
22	DRILLING		
23	DRILLING		
24	DRILLING		
25	DRILLING		
26	DRILLING		
27	DRILLING		
28	DRILLING		
29	DRILLING		
30	DRILLING		

FOOTAGE		DEPT. S. CORE. C.		CORR. NO.		FORMATION (SHOW CORE RECOVERY)						ROTARY RPM	WT. ON BIT (LBS.)	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	DISCH. RPM
FROM	TO																
3030																	
DEVIATION RECORD																	
DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION DEPTH DEPT. DEVIATION																	
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS																	
Circ Cond. mud																	
POH on then 50'																	
1/2 work DC 1/2 Run up U.S.G.S.																	
Rig up - Run G.R. + Spec log																	
Run G.R. + Spec																	

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Conner JR	8
DREWMAN		B.B. Brown	8
WTRMAN		H.E. Ries	8
FIRMAN		G.K. Byerly	8
FIRMAN		B.J. Schlachter	8
FIRMAN			
FIRMAN			
FRANK			

No Acc

No. 36162

DAILY DRILLING REPORT REPORT NO.

LEASE Kearney WELL NO 2-11 API WELL NUMBER 11-6-85 DATE 11-6-85
OPERATOR Bechtel & OOE CONTRACTOR Clayton Drilling Co.
SIGNATURE OF OPERATOR'S REPRESENTATIVE [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER [Signature]
FIELD OR BIT. Solid COUNTY Imperial STATE Calif RIG NO. 6
DEPT. 500 WELL NAME 11-6-85 FEET 150 BIT LINE RECORD REEL NO. 150 FT. CUT OFF 150 PREPARED BY [Name]
LAST RECORD OF LINE 20' 11-55 PM 25 PUMP NO. 1 Rotational PUMP MANUFACTURER 11-1500 TYPE 11" LEADER 11"
DRILLING CREW PAYROLL DATA
DATE 11-6-85 WELL NAME & NO. State 2-11
COMPANY Bechtel & OOE TOOL PUSHER [Name] WIC NO. 6

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
TYPE	NO.	OPERATION	WORK	DAY	EVE	BIT	FT	BIT NO.	TIME
1. DRILL UP AND						1 1/2	00	11	WEIGHT
2. DRILL DOWN						0 0	00	11	GRADIENT
3. DRILL ACTING						0 0	00	11	VISC. SEC.
4. REAMING						0 0	00	11	P.V. V.P.
5. CORING						0 0	00	11	DELS.
6. TROUBLE						0 0	00	11	ML - CCL
7. LUBRICATE BIT						0 0	00	11	PH
8. REPAIR BIT						0 0	00	11	SOLIDS %
9. SCHEDULE						0 0	00	11	MUD SPECIALS ADDED
10. DRILLING STOP						0 0	00	11	TYPE AMT TYPE AMT
11. WIRE LINE LOSS						0 0	00	11	
12. PUMP STOP						0 0	00	11	
13. BULLY DOWN						0 0	00	11	
14. SHUT DOWN						0 0	00	11	
15. OTHER						0 0	00	11	
16. TEST B.P.						0 0	00	11	
17. DRILL STEM TEST						0 0	00	11	
18. PLUG BACK						0 0	00	11	
19. MAKEUP CHUCK						0 0	00	11	
20. PIPING						0 0	00	11	
21. DRILL WORK						0 0	00	11	
22. OTHER						0 0	00	11	
TOTAL 8 8 8									

FOOTAGE		CORP.		FORMATION (SHOW CORE RECOVERY)			ROTARY		PUMP		PUMP		PUMP	
FROM	TO	NO. & SIZE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
3030														

DEVIATION RECORD		DEPTH			DEVIATION			DEPTH			DEVIATION		
FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
12	1	1	11	Run G.R.P. Spec									
1	2	1	11										
2	3	1	11										
3	4	1	11	Temp. Caliper									
4	5	1	11										
5	6	1	11										
6	7	1	11										
7	8	1	11										

DRILLER A.A. Heaman

MORNING TOUR 12 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.A. Heaman	8
DRENNAN		D. Vantasse	8
MTRMAN		C. Cantrell	8
FIREMAN		E.E. Hest	8
FIREMAN		D. Harris	8
FRANKE		No Acc	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR 8:00 A.M. 9:00 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		B. Dahanash	8
DRENNAN		V.D. Hudson	8
MTRMAN		A. Swank	8
FIREMAN		B. Cortin	8
FIREMAN		J. Carr	8
FRANKE		No. Acc.	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FOOTAGE		CORP.		FORMATION (SHOW CORE RECOVERY)			ROTARY		PUMP		PUMP		PUMP	
FROM	TO	NO. & SIZE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
3030														

DEVIATION RECORD		DEPTH			DEVIATION			DEPTH			DEVIATION		
FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	9	1	11	Run Acoustic + Televiwer Log									
9	10	1	11										
10	11	1	11										
11	12	1	11										
12	1	1	11	Run Temp. Caliper Log									
1	2	1	11										
2	3	1	11										
3	4	1	11										

DRILLER Robert Dahanash

FOOTAGE		CORP.		FORMATION (SHOW CORE RECOVERY)			ROTARY		PUMP		PUMP		PUMP	
FROM	TO	NO. & SIZE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
3030														

DEVIATION RECORD		DEPTH			DEVIATION			DEPTH			DEVIATION		
FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4:00	5:00	1	11	Run Temp + Caliper Log									
5:00	6:00	1	11	"									
6:00	7:00	1	11	Run Sonic									
7:00	8:00	1	11	"									
8:00	9:00	1	11	"									
9:00	10:00	1	11	"									
10:00	11:00	1	11	"									
11:00	12:00	1	11	"									

DRILLER W.E. Carranza

EVENING TOUR 4:00 P.M. 12:00 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Carranza	8
DRENNAN		B.B. Brown	8
MTRMAN		H.T. Ries	8
FIREMAN		G.K. Byers	8
FIREMAN		B.J. Schlachter	8
FRANKE		No. Acc.	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

FOOTAGE		CORP.		FORMATION (SHOW CORE RECOVERY)			ROTARY		PUMP		PUMP		PUMP	
FROM	TO	NO. & SIZE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
3030														

DEVIATION RECORD		DEPTH			DEVIATION			DEPTH			DEVIATION		
FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4:00	5:00	1	11	Run Temp + Caliper Log									
5:00	6:00	1	11	"									
6:00	7:00	1	11	Run Sonic									
7:00	8:00	1	11	"									
8:00	9:00	1	11	"									
9:00	10:00	1	11	"									
10:00	11:00	1	11	"									
11:00	12:00	1	11	"									

DRILLER W.E. Carranza

FOOTAGE		CORP.		FORMATION (SHOW CORE RECOVERY)			ROTARY		PUMP		PUMP		PUMP	
FROM	TO	NO. & SIZE	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
3030														

DEVIATION RECORD		DEPTH			DEVIATION			DEPTH			DEVIATION		
FROM	TO	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4:00	5:00	1	11	Run Temp + Caliper Log									
5:00	6:00	1	11	"									
6:00	7:00	1	11	Run Sonic									
7:00	8:00	1	11	"									
8:00	9:00	1	11	"									
9:00	10:00	1	11	"									
10:00	11:00	1	11	"									
11:00	12:00	1	11	"									

DRILLER W.E. Carranza

EVENING TOUR 4:00 P.M. 12:00 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Carranza	8
DRENNAN		B.B. Brown	8
MTRMAN		H.T. Ries	8
FIREMAN		G.K. Byers	8
FIREMAN		B.J. Schlachter	8
FRANKE		No. Acc.	

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

No. 36164

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott state	WELL NO 2-14	API WELL NUMBER	DATE 11-8-85
OPERATOR Brechtel & DAE		CONTRACTOR Cleveland Drilling Co.	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOLPUSHER <i>[Signature]</i>	
FIELD OR DIST. Salton Spr.		COUNTY Imperial	STATE CA.
LAST LOGGING ON LINE 30"		WIRE LINE RECORD SIZE 1 3/8 WT. PER LINE 10 FT. CUT OFF 150	
RIG NO. 11-8-85		PISTON LENGTH 1032	

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (bit and bit)	BIT RECORD	MUD RECORD
1. DRILL ASSEMBLY	1	BIT 17 1/2 1.50	BIT NO. 8204	TRIP 1200 2.00 700
2. DRILL ACTUAL	2	6 1/2 2.75	SIZE 17 1/2	WEIGHT 9.3 T
3. CORING	3	1 3/8 9.25	TYPE 3 1/2	MISC. SEC. 34
4. CONDITIONING & CALCULATE	4	10 4.33	W.T. 18200	P.V.P. 7
5. TIME	5	8 2.89	REG. NO. KHO18	CELL 7 70'
6. LUBRICATE ROD	6	1 1/2 2.89	DEPTH OUT 3078	NO. C.C.S. 7
7. REPAIR ROD	7	1 1/2 2.89	DEPTH IN 3078	NO. SOLIDS
8. BIT LOG LINE	8	8 1/8 25.31	TOTAL P.T. 245	NO. CHEMICAL ADDED
9. DEVIATION SURVEY	9	1 1/2 2.89	TOTAL P.T. 247 1/2	TYPE 1
10. WIRE LINE LOSS	10	1 1/2 2.89	NO. P.T. 38	NO. CHEMICAL ADDED
11. BIT LOG	11	1 1/2 2.89	TOTAL 3078	
12. COMP	12	1 1/2 2.89	WT. OF STRONG 155.000	

FOOTAGE		NO. OF CONE LOGS	CONV. NO.	FORMATION (SHOW CORE RECOVERY)		START DEP.	FT. ON BIT	PUMP PARTS	PUMP NO. 1	PUMP NO. 2	NO. OF DAYS
FROM	TO										
3078				Siltstone & Claystone	Sandstone	120	5/20	1200	7"	7"	56

DEVIATION RECORD		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
TIME	LOG	TO	ELAPSED TIME	CODE NO.	REMARKS		
12:00	1:00	1	1	2	Duty		
1	2	1	1	6	Cong. Rod		
2	3	1	1	6	chng. DG. 2nd. Con. off Bit		
3	4	1	1	21	wait on tools		
4	5	1	1	21			
5	6	1	1	21			
6	7	1	1	21			
7	8	1	1	21			

MORNING TOUR 12:00 P.M. 8:00 A.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.H. Herman	8
DRAWER		D. Vantassel	8
MUDMAN		C. Cantrell	8
FIREMAN		E.E. Neff	8
FIREMAN		R. Harris	8
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			

FOOTAGE		NO. OF CONE LOGS	CONV. NO.	FORMATION (SHOW CORE RECOVERY)		START DEP.	FT. ON BIT	PUMP PARTS	PUMP NO. 1	PUMP NO. 2	NO. OF DAYS
FROM	TO										
3078											

DEVIATION RECORD		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
TIME	LOG	TO	ELAPSED TIME	CODE NO.	REMARKS		
8	9	1	1	11	RIG UP & RUN TEMP LOG		
9	10	1	1	11	Run TEMP LOG		
10	11	1	1	11			
11	12	1	1	6	RRKUT MAGNET R.H.		
12	1	1	1	6	R.H. TAG JUNK 3078		
1	2	1	1	6	CHANGE CUT OF HOLE (NO RECOVERY)		
2	3	1	1	6			
3	4	1	1	11	RIG UP & RUN TEMP LOG		

FOOTAGE		NO. OF CONE LOGS	CONV. NO.	FORMATION (SHOW CORE RECOVERY)		START DEP.	FT. ON BIT	PUMP PARTS	PUMP NO. 1	PUMP NO. 2	NO. OF DAYS
FROM	TO										
3078											

DEVIATION RECORD		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
TIME	LOG	TO	ELAPSED TIME	CODE NO.	REMARKS		
4:00	5:00	1	1	11	Run temp log		
5:00	6:00	1	1	21	wait on tools		
6:00	7:00	1	1	21			
7:00	8:00	1	1	21			
8:00	9:00	1	1	21			
9:00	10:00	1	1	21			
10:00	11:00	1	1	21			
11:00	12:00	1	1	21			

EVENING TOUR 4:00 P.M. 12:00 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Coonan JR	8
DRAWER		B.B. Brown	8
MUDMAN		H.E. Ries	8
FIREMAN		G.K. Byerly	8
FIREMAN		B.J. Schluchter	8
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			

FOOTAGE		NO. OF CONE LOGS	CONV. NO.	FORMATION (SHOW CORE RECOVERY)		START DEP.	FT. ON BIT	PUMP PARTS	PUMP NO. 1	PUMP NO. 2	NO. OF DAYS
FROM	TO										
3078											

DEVIATION RECORD		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
TIME	LOG	TO	ELAPSED TIME	CODE NO.	REMARKS		
7:00	8:00	1	1	11	Run temp log		
8:00	9:00	1	1	21	wait on tools		
9:00	10:00	1	1	21			
10:00	11:00	1	1	21			
11:00	12:00	1	1	21			

FOOTAGE		NO. OF CONE LOGS	CONV. NO.	FORMATION (SHOW CORE RECOVERY)		START DEP.	FT. ON BIT	PUMP PARTS	PUMP NO. 1	PUMP NO. 2	NO. OF DAYS
FROM	TO										
3078											

DEVIATION RECORD		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS					
TIME	LOG	TO	ELAPSED TIME	CODE NO.	REMARKS		
7:00	8:00	1	1	11	Run temp log		
8:00	9:00	1	1	21	wait on tools		
9:00	10:00	1	1	21			
10:00	11:00	1	1	21			
11:00	12:00	1	1	21			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Coonan JR	8
DRAWER		B.B. Brown	8
MUDMAN		H.E. Ries	8
FIREMAN		G.K. Byerly	8
FIREMAN		B.J. Schluchter	8
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			

No. 41763

DAILY DRILLING REPORT REPORT NO.

LEASE Kennacott State WELL NO 2-14 API WELL NUMBER DATE 11-9-85

OPERATOR Bechtel & D.O.E. CONTRACTOR Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE 5" WT. 175 GRADE 64 TOOL JOINT 64 TYPE IF STRING NO. 213

TIME DISTRIBUTION - HOURS table with columns for operation, normal, day, eve.

DRILLING ASSEMBLY table with columns for bit record, mud record.

DRILLING ASSEMBLY table with columns for bit record, mud record.

FOOTAGE table with columns for from, to, depth, formation.

DEVIATION RECORD table with columns for depth, direction.

DEVIATION RECORD table with columns for depth, direction.

FOOTAGE table with columns for from, to, depth, formation.

DEVIATION RECORD table with columns for depth, direction.

FOOTAGE table with columns for from, to, depth, formation.

DEVIATION RECORD table with columns for depth, direction.

DRILLING CREW PAYROLL DATA DATE 11-9-85

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

No. 41764

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State; WELL NO.: 2-14; API WELL NUMBER: 11-10-85; OPERATOR: Bechtel & D.O.E.; CONTRACTOR: Cleveland; SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. ...; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Hardner

FOOTAGE: 4'; FORMATION: (SHOW CORE RECOVERY); DEVIATION RECORD; TIME LINE RECORD; PUMP RECORD

DRILLING CREW PAYROLL DATA; DATE: 11-10-85; WELL NAME & NO.: State 2-14; COMPANY: Bechtel & D.O.E.; TOOL PUSHER: M. Hardner

TIME DISTRIBUTION - HOURS; TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

FOOTAGE 4'; FORMATION (SHOW CORE RECOVERY); DEVIATION RECORD; TIME LINE RECORD; PUMP RECORD

MORNING TOUR 12:00 P.M. 8:00 A.M.; CREW LIST: R. Dahansh, V.D. Hudson, B. Swaak, B. Cortin, J. Carr

TIME DISTRIBUTION - HOURS; TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

FOOTAGE 20'; FORMATION (SHOW CORE RECOVERY); DEVIATION RECORD; TIME LINE RECORD; PUMP RECORD

DAY TOUR 3:00 P.M. 7:00 P.M.; CREW LIST: DAVID MAHES, DAVID TREVALETTI, BRUCE MURPHY, TOM STALL, ARMANDO RODRIGUEZ

TIME DISTRIBUTION - HOURS; TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

FOOTAGE 60'; FORMATION (SHOW CORE RECOVERY); DEVIATION RECORD; TIME LINE RECORD; PUMP RECORD

EVENING TOUR 4:00 P.M. 12:00 P.M.; CREW LIST: W. E. CRONAN, G. BROWN, H. RIES, G. K. BYERLY, B. SCHLUTER

No. 41765

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** STATE **2-14** WELL NO. **2-14** API WELL NUMBER DATE **11-11-85**
 OPERATOR **Bechtel & D.O.E.** CONTRACTOR **Cleveland** RIG NO. **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **Will Ouch** DATE **11-11-85**
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER **M. Gardner**
 D.P. SIZE: 5" 19.5 E 2 6 1/4 T F 2 10 2 10 2 10 2 10 2 10
 GRADE: 19.5 E 2 6 1/4 T F 2 10 2 10 2 10 2 10 2 10
 TOOLS: T F 2 10 2 10 2 10 2 10 2 10
 BIT NO. **172** PUMP NO. **172** PUMP MANUFACTURER **National** TYPE **N-1300** SIZING **16"**

FIELD NO. **Sallon** SEA COUNTY **Imperial** STATE **CA**
 LAST CORING DEPTH OR LINE **20"** MAKE **K-55** WT. OR. **94** MONTHS **25** PRES **28** NET AT **1032**
 WIRE LINE RECORD: ROTARY WT. ON ROT. PUMP NO. 1 PUMP NO. 2
 SIZE: **1 7/8** INCHES **70** FT. CUT OFF **70** PRESENT LENGTH
 FORMATION (SHOW CORE RECOVERY) **Siltstone**
 DEVIATION RECORD: DEPTH, DIR., DIRECTION, DEPTH, DIR., DIRECTION, DEPTH, DIR., DIRECTION

DRILLING CREW PAYROLL DATA
 DATE: **11-11-85**
 WELL NAME & NO.: **State 2-14**
 COMPANY: **Bechtel & D.O.E.**
 TOOL PUSHER: **M. Gardner** RIG NO. **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. END OF AND TIME OF DAY				
2. DRILL ACTUAL	2 7/8	172	172	
3. REMAINING				
4. CORING				
5. CONNECTION MADE & CIRCULATE				
6. TIME	2			
7. LAMINATE ON				
8. REPAIR ON				
9. DRILL LINE				
10. DEVIATION SURVEY	1/2			
11. WIRE LINE LOSS	4			
12. PAUSE				
13. BREAK DOWN				
14. OTHER				
15. TEST B.A.P.				
16. DRILL TEST TEST				
17. FLUID BACK				
18. SOLVENTS COMPANY				
19. FLUIDS				
20. DRILL WORK				
21.				
22.				
TOTAL 11.00				
NO. OF STANDS 150,000 LBS.				

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. ON ROT.	PUMP NO. 1	PUMP NO. 2	WIRE LINE LOSS
3167	3170	D	120	25	900	2" 50 2" 5
3107	3167	R	120	10	900	2" 50 2" 5
DEVIATION RECORD						
TIME LOG	FLASHP	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
1	1	11	Run Temp. Log.			
2	2	11	Run Temp. Log.			
3	3	11	Run Temp. Log.			
4	4	6	Make up Dr. g. Assy & R.H.			
5	5	6	R.H.			
6	6	3	Ream / 3102 To 3167			
7	7	3-2	3-2 3/4 Ream & Drill			
DRILLER R. D. Doherty						

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Doherty	8
DREAM		V.D. Hudson	8
STRAN		B. Swank	8
FLERAN		B. Fortin	8
FLERAN		J. Carr	8
INCENT: No Acc.			

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BHA	955.34	2022.94
2	STANDS	2163.73	11.00
3	STANDS	35.00	35.00
4	STANDS	3349.07	155,000
TOTAL 11.00			
NO. OF STANDS 155,000 LBS.			

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. ON ROT.	PUMP NO. 1	PUMP NO. 2	WIRE LINE LOSS
3170	3349	D	120	25	700	2" 50 2" 5
3222	3349	R	120	10	1300	2" 35 2" 55
DEVIATION RECORD						
TIME LOG	FLASHP	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
8	8	1	DRILL			
9	9	1	DRILL			
10	10	2	DRILL TO 3122			
11	11	2	DRILL TO SURVIL C 3112 1/2 DRILL 1/2			
12	12	2	DRILL			
1	1	2	DRILL			
2	2	1	DRILL			
3	3	1	DRILL			
4	4	1	DRILL			
DRILLER R. D. Doherty						

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MAILHUS	8
DREAM		DAVID J. WILLIAMS	8
STRAN		BRUCE J. MURPHY	8
FLERAN		JOHN STIGALL	8
FLERAN		WALTER A. RODRIGUEZ	8
INCENT: NO ACC.			

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BHA	955.34	2022.94
2	STANDS	2163.73	11.00
3	STANDS	35.00	35.00
4	STANDS	3349.07	155,000
TOTAL 11.00			
NO. OF STANDS 160,000 LBS.			

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY WT. ON ROT.	PUMP NO. 1	PUMP NO. 2	WIRE LINE LOSS
3349	3431	D	120	25	1300	2" 55 2" 35
3158	3431	R	120	10	1300	2" 55 2" 35
DEVIATION RECORD						
TIME LOG	FLASHP	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
4:00	5:00	1	Drig			
5:00	6:00	1	Drig			
6:00	7:00	2	1/2 Core Survey 1/2 Drig			
7:00	8:00	1	Drig			
8:00	9:00	1	Drig			
9:00	10:00	2	1/2 Drig 1/2 Pull out on 1/2			
10:00	11:00	1	Pull out			
11:00	12:00	1	Work DC Break Bit			
DRILLER W.E. Cronin						

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronin JR	8
DREAM		B.B. Brown	8
STRAN		H.E. Ries	8
FLERAN		G.K. Byerly	8
FLERAN		B.J. Schlichter	8
INCENT: no Acc.			

No. 41766

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott state 2-14 WELL NO. 2-14 API WELL NUMBER 11-12-85 OPERATOR Bechtel & D.O.E. CONTRACTOR Cleveland 6

DRILLING LINE RECORD Siltstone IMPERIAL Co. 20" K-55 94 25 28 1032

DRILLING CREW PATROLL DATA DATE 11-12-85 WELL NAME & NO. State 2-14 COMPANY Bechtel & D.O.E.

TIME DISTRIBUTION - HOURS Table with columns for WORK, DRILLING, REMOVAL, etc.

DRILLING ASSEMBLY BIT RECORD MID RECORD Table for well 2-14

FORMATION (FROM CORE RECOVERY) Siltstone Table with depth and direction data

MORNING TOUR 12:00 P.M. 5:00 A.M. Table listing crew members and hours

TIME DISTRIBUTION - HOURS Table for well 2-14

DRILLING ASSEMBLY BIT RECORD MID RECORD Table for well 2-14

FORMATION (FROM CORE RECOVERY) Siltstone Table with depth and direction data

DAY TOUR 8:00 A.M. 11:00 P.M. Table listing crew members and hours

TIME DISTRIBUTION - HOURS Table for well 2-14

DRILLING ASSEMBLY BIT RECORD MID RECORD Table for well 2-14

FORMATION (FROM CORE RECOVERY) Siltstone Table with depth and direction data

EVENING TOUR 4 P.M. 12 P.M. Table listing crew members and hours

No. 41767

DAILY DRILLING REPORT REPORT NO.

LEASE		WELL NO.		API WELL NUMBER		DATE	
Kennecott State		2-14				11-13-85	
OPERATOR			CONTRACTOR				
Bechtel & D.O.E.			Cleveland				
SIGNATURE OF OPERATOR'S REPRESENTATIVE			SIGNATURE OF CONTRACTOR'S TOOL PUSHER				
<i>[Signature]</i>			<i>[Signature]</i>				
PUMP		PUMP MANUFACTURER		TYPE		REMARKS	
NO.	SIZE	NO.	NO.	NO.	NO.	NO.	NO.
1	19.5 E	2	19.5 E	3	19.5 E	4	19.5 E
5	19.5 E	6	19.5 E	7	19.5 E	8	19.5 E
FOOTAGE		FORMATION		REMARKS		PUMP RECORD	
FROM	TO	FORMATION	FORMATION	FORMATION	FORMATION	PUMP NO.	PUMP NO.
3505'	3515'	Siltstone & Shale	Siltstone & Shale	Siltstone & Shale	Siltstone & Shale	120	120
DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD	
DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
10'	0.00	10'	0.00	10'	0.00	10'	0.00
MID RECORD							
TIME		WGT.		PRES.		TEMP.	
TIME	WGT.	PRES.	TEMP.	TIME	WGT.	PRES.	TEMP.
1:00	1200	9.0	93	1:00	1200	9.0	93
MID RECORD							
TIME		WGT.		PRES.		TEMP.	
TIME	WGT.	PRES.	TEMP.	TIME	WGT.	PRES.	TEMP.
1:00	1200	9.0	93	1:00	1200	9.0	93
MID RECORD							
TIME		WGT.		PRES.		TEMP.	
TIME	WGT.	PRES.	TEMP.	TIME	WGT.	PRES.	TEMP.
1:00	1200	9.0	93	1:00	1200	9.0	93

TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY		BIT RECORD		MID RECORD	
NO.	DESCRIPTION <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td></td>	NO.	TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td>	NO.	TIME <td>NO.</td> <td>TIME </td>	NO.	TIME
1	DRILLING	1	1:00	1	1:00	1	1:00
2	TRIP	2	1:15	2	1:15	2	1:15
3	WASH	3	1:30	3	1:30	3	1:30
4	LOG	4	1:45	4	1:45	4	1:45
5	WASH	5	2:00	5	2:00	5	2:00
6	TRIP	6	2:15	6	2:15	6	2:15
7	WASH	7	2:30	7	2:30	7	2:30
8	TRIP	8	2:45	8	2:45	8	2:45
9	WASH	9	3:00	9	3:00	9	3:00
10	TRIP	10	3:15	10	3:15	10	3:15
11	WASH	11	3:30	11	3:30	11	3:30
12	TRIP	12	3:45	12	3:45	12	3:45
13	WASH	13	4:00	13	4:00	13	4:00
14	TRIP	14	4:15	14	4:15	14	4:15
15	WASH	15	4:30	15	4:30	15	4:30
16	TRIP	16	4:45	16	4:45	16	4:45
17	WASH	17	5:00	17	5:00	17	5:00
18	TRIP	18	5:15	18	5:15	18	5:15
19	WASH	19	5:30	19	5:30	19	5:30
20	TRIP	20	5:45	20	5:45	20	5:45

TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY		BIT RECORD		MID RECORD	
NO.	DESCRIPTION <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td></td>	NO.	TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td>	NO.	TIME <td>NO.</td> <td>TIME </td>	NO.	TIME
1	DRILLING	1	1:00	1	1:00	1	1:00
2	TRIP	2	1:15	2	1:15	2	1:15
3	WASH	3	1:30	3	1:30	3	1:30
4	LOG	4	1:45	4	1:45	4	1:45
5	WASH	5	2:00	5	2:00	5	2:00
6	TRIP	6	2:15	6	2:15	6	2:15
7	WASH	7	2:30	7	2:30	7	2:30
8	TRIP	8	2:45	8	2:45	8	2:45
9	WASH	9	3:00	9	3:00	9	3:00
10	TRIP	10	3:15	10	3:15	10	3:15
11	WASH	11	3:30	11	3:30	11	3:30
12	TRIP	12	3:45	12	3:45	12	3:45
13	WASH	13	4:00	13	4:00	13	4:00
14	TRIP	14	4:15	14	4:15	14	4:15
15	WASH	15	4:30	15	4:30	15	4:30
16	TRIP	16	4:45	16	4:45	16	4:45
17	WASH	17	5:00	17	5:00	17	5:00
18	TRIP	18	5:15	18	5:15	18	5:15
19	WASH	19	5:30	19	5:30	19	5:30
20	TRIP	20	5:45	20	5:45	20	5:45

TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY		BIT RECORD		MID RECORD	
NO.	DESCRIPTION <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td></td>	NO.	TIME <td>NO.</td> <td>TIME <td>NO.</td> <td>TIME </td></td>	NO.	TIME <td>NO.</td> <td>TIME </td>	NO.	TIME
1	DRILLING	1	1:00	1	1:00	1	1:00
2	TRIP	2	1:15	2	1:15	2	1:15
3	WASH	3	1:30	3	1:30	3	1:30
4	LOG	4	1:45	4	1:45	4	1:45
5	WASH	5	2:00	5	2:00	5	2:00
6	TRIP	6	2:15	6	2:15	6	2:15
7	WASH	7	2:30	7	2:30	7	2:30
8	TRIP	8	2:45	8	2:45	8	2:45
9	WASH	9	3:00	9	3:00	9	3:00
10	TRIP	10	3:15	10	3:15	10	3:15
11	WASH	11	3:30	11	3:30	11	3:30
12	TRIP	12	3:45	12	3:45	12	3:45
13	WASH	13	4:00	13	4:00	13	4:00
14	TRIP	14	4:15	14	4:15	14	4:15
15	WASH	15	4:30	15	4:30	15	4:30
16	TRIP	16	4:45	16	4:45	16	4:45
17	WASH	17	5:00	17	5:00	17	5:00
18	TRIP	18	5:15	18	5:15	18	5:15
19	WASH	19	5:30	19	5:30	19	5:30
20	TRIP	20	5:45	20	5:45	20	5:45

PRINTED IN U.S.A.



APPROVED

IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED



APPROVED

No. 41767

LEASE Keenecott State	WELL NO. 2-19	API WELL NUMBER	DATE 11-14-85
OPERATOR Bechtel & D.O.E.	CONTRACTOR Cleveland	DRILLER NO. 6	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Brown</i> 11-14-85		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Wendell Nichel</i>	

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (As used at well)	BIT RECORD	MUD RECORD
1. DRILLING	1	MC 17A 150' BT	RR 6 17A	TIME 1200 4.00 7.30
2. DRILLING	2	MK 29.23 BT	See 17A	WEIGHT 11.07 9.3
3. DRILLING	3	MK 99' 42.52 BT	54KJ	PRESSURE GRADIENT
4. DRILLING	3	MK 10' 4.33 BT	1P1P1P	W.C. SEC
5. DRILLING	3	MK 92.84 BT	9886A	PPV, VP
6. DRILLING	3	MK 13' 3 BT		CELLS
7. DRILLING	24	MW 72.37 BT	3515'	M. L.C.C.
8. DRILLING	24	BHA 852.61 BT		PH
9. DRILLING	27	STANDS UP 2549.77 BT		SOLIDUS
10. DRILLING	27	WHEELS UP		MUD & CHEMICALS ADDED
11. DRILLING	58	KELLY DOWN		TYPE, INT, TYP, INT
12. DRILLING	34 6/8	TOTAL	3515'	
13. DRILLING		WT. OF STRING	16200 LBS	

NO.	DRILLING ASSEMBLY (As used at well)	BIT RECORD	MUD RECORD
1	BT	BT NO.	TIME
2	BT	BT	WEIGHT
3	BT	BT	PRESSURE GRADIENT
4	BT	BT	W.C. SEC
5	BT	BT	PPV, VP
6	BT	BT	CELLS
7	BT	BT	M. L.C.C.
8	BT	BT	PH
9	BT	BT	SOLIDUS
10	BT	BT	MUD & CHEMICALS ADDED
11	BT	BT	TYPE, INT, TYP, INT
12	BT	BT	
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17	BT	BT	
18	BT	BT	
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NO.	DRILLING ASSEMBLY (As used at well)	BIT RECORD	MUD RECORD
1	BT	BT NO.	TIME
2	BT	BT	WEIGHT
3	BT	BT	PRESSURE GRADIENT
4	BT	BT	W.C. SEC
5	BT	BT	PPV, VP
6	BT	BT	CELLS
7	BT	BT	M. L.C.C.
8	BT	BT	PH
9	BT	BT	SOLIDUS
10	BT	BT	MUD & CHEMICALS ADDED
11	BT	BT	TYPE, INT, TYP, INT
12	BT	BT	
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17	BT	BT	
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FIELD NO. Salton Sea	COUNTY Imperial	STATE Ca.	SECTION 20	TOWNSHIP K-55	RANGE 9N	NEUTRAL 25	NET AT 38	1030
DRILLER Wendell Nichel	DISTRICT 114	WELLS 10	PRELIM LENS 178	PI. SKIPPED				
DATE 11-14-85	TIME 11:14	STAGE 16						
DRILLING CREW PAYROLL DATA								
DATE	11-14-85							
WELL NAME & NO.	State 2-19							
COMPANY	Bechtel & D.O.E							
TOOL PUSHER	Wendell Nichel							
RIG NO.	6							
MORNING TOUR	12:00 P.M. 8:00 A.M.							

FOOTAGE	NO. OF LOGS	NO. OF CORES	FORMATION
FROM 3515'			(IMDY CORE RECOVERY)
TO			
ROTARY RPM	1400		
BT ON BT OFF	7"	32 7"	30 P
PUMP PRESS			
PUMP NO. 1			
LINER SIZE			
L.P.N.			
PUMP NO. 2			
LINER SIZE			
L.P.N.			
METHOD RUN			
NO. OF CUT			

NO.	DRILLING ASSEMBLY (As used at well)	BIT RECORD	MUD RECORD
1	BT	BT NO.	TIME
2	BT	BT	WEIGHT
3	BT	BT	PRESSURE GRADIENT
4	BT	BT	W.C. SEC
5	BT	BT	PPV, VP
6	BT	BT	CELLS
7	BT	BT	M. L.C.C.
8	BT	BT	PH
9	BT	BT	SOLIDUS
10	BT	BT	MUD & CHEMICALS ADDED
11	BT	BT	TYPE, INT, TYP, INT
12	BT	BT	
13	BT	BT	
14	BT	BT	
15	BT	BT	
16	BT	BT	
17	BT	BT	
18	BT	BT	
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NO.	DRILLING ASSEMBLY (As used at well)	BIT RECORD	MUD RECORD
1	BT	BT NO.	TIME
2	BT	BT	WEIGHT
3	BT	BT	PRESSURE GRADIENT
4	BT	BT	W.C. SEC
5	BT	BT	PPV, VP
6	BT	BT	CELLS
7	BT	BT	M. L.C.C.
8	BT	BT	PH
9	BT	BT	SOLIDUS
10	BT	BT	MUD & CHEMICALS ADDED
11	BT	BT	TYPE, INT, TYP, INT
12	BT	BT	
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14	BT	BT	
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CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dabirsh	8
DRAWER		V.D. Hudson	8
WTRMAN		K. Swanck	8
FIREMAN		B. Fortin	8
FLRMAN		J. Carr	8
FLRMAN		No. Acc.	
FRANR			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. E. Cronan J2	8
DRAWER		B. B. Brown	8
WTRMAN		H. E. Bies	8
FIREMAN		G. K. Byerly	8
FLRMAN		B. J. Schlichter	8
FRANR			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. A. Heaman	8
DRAWER		D. Lavasseur	8
WTRMAN		C. Conrad	8
FIREMAN		E. G. Hoff	8
FLRMAN		K. Annis	8
FRANR		No. Acc.	

No. 41769

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State 2-14 WELL NO: 2-14 API WELL NUMBER: DATE: 11-15-85

OPERATOR: Bechtel & D.O.F. CONTRACTOR: Cleveland Rig No: 6

SIGNATURE OF OPERATOR'S REPRESENTATIVE: SIGNATURE OF CONTRACTOR'S TOOL PUSHER: PUMP MANUFACTURER: National

WIRE LINE RECORD: SIZE 20, WEIGHT 17.75, MAKE K-55, WT. & OR. 94, JOINTS 25, PERIOD 28, START 1030, STOP 7515

DRILLING CREW PAYROLL DATA: DATE: 11-15-85 WELL NAME & NO: State 2-14 COMPANY: Bechtel & D.O.F. TOOL PUSHER: Michael Nibel

TIME DISTRIBUTION - HOURS: Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for 1. DRILL AND TEST, 2. DRILL AT TOTAL, 3. DRILLING, 4. CORING, 5. DRILLING, 6. LUBRICATING, 7. REPAIRING, 8. DRILLING, 9. DRILLING, 10. DRILLING, 11. DRILLING, 12. DRILLING, 13. DRILLING, 14. DRILLING, 15. DRILLING, 16. DRILLING, 17. DRILLING, 18. DRILLING, 19. DRILLING, 20. DRILLING.

FOOTAGE: 3515' DEVIATION RECORD: Table with columns for FROM, TO, DEPTH, DEVIATION. Includes details of operations in sequence and remarks: Circ. to Cement, Nipple down B.O.P., etc.

MORNING TOUR: 12:00 P.M. 8:00 A.M. CREW: P. Dabarsch, H.D. Hudson, R. Swank, B. Fortin, J. Carr

NO. DRILLING ASSEMBLY: Table with columns for BIT, WEIGHT, PRESSURE GRADIENT, VISC. SEC., GELA, etc.

FOOTAGE: 3515' DEVIATION RECORD: Table with columns for FROM, TO, DEPTH, DEVIATION. Includes details of operations in sequence and remarks: Nipple down B.O.P., Turn loose of Casing @ 10:30, etc.

DAY TOUR: 8:00 A.M. 4:00 P.M. CREW: W.E. Cronan Jr., B.B. Brown, H.E. Ries, G.K. Byerly, B.J. Schluchter

NO. DRILLING ASSEMBLY: Table with columns for BIT, WEIGHT, PRESSURE GRADIENT, VISC. SEC., GELA, etc.

FOOTAGE: 3515' DEVIATION RECORD: Table with columns for FROM, TO, DEPTH, DEVIATION. Includes details of operations in sequence and remarks: Nipple down, etc.

EVENING TOUR: 4 P.M. 12 P.M. CREW: R.A. Harmon, J. Cantusse, C. Cantusse, E.F. Hoff, K. Bueria

No. 41772

DAILY DRILLING REPORT

LEASE: KEARNEY-COTT - STANTY, WELL NO. 2-14, API WELL NUMBER, DATE 11-18-85

OPERATOR: KEARNEY-COTT - STANTY, CONTRACTOR: CLEVELAND DRILLING CO., SIGNATURE OF OPERATOR'S REPRESENTATIVE: J.W. Burch, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Donald Muehl

Table with columns: R.P. SIZE, WT. FT., GRADE, TOOL JOBS, TYPE, THREAD, STRING NO., PUMP NO., PUMP MANUFACTURER, TYPE, STROKES PER MIN.

TIME DISTRIBUTION - HOURS table with columns: CODE NO., OPERATION, HOURS, DAYS, EYE, and various drilling assembly and bit record data.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD, containing detailed operational data.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD, containing detailed operational data.

FORMATION: SALTION SEA, IMMERIAL, SALTION, SIZE, MAKE, WT. & GR., NO. JOINTS, FEET, etc.

Table with columns: SIZE, MAKE, WT. & GR., NO. JOINTS, FEET, etc., for various well components.

FOOTAGE table with columns: FROM, TO, DEPTH, and FORMATION (Siltstone), including deviation records.

FOOTAGE table with columns: FROM, TO, DEPTH, and FORMATION (Siltstone), including deviation records.

FOOTAGE table with columns: FROM, TO, DEPTH, and FORMATION (Siltstone), including deviation records.

DRILLING CREW PAYROLL DATA: DATE 11-18-85, COMPANY: BROWN & OAK, TOOL PUSHER: Donald Muehl, REG. NO. 6

Table with columns: CREW, SOC. SEC. NO., NAME, HRS., listing crew members and their hours.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS., listing crew members and their hours.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS., listing crew members and their hours.

No. 41773

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: KCM INCORPORATED - STALE; WELL NO: 2-14; DATE: 11-19-85; CONTRACTOR: WILLARD KUEHL; SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature];

FIELD BIT: ALDIN SLA; WEIGHT: 117.0; SIZE: 9 1/8; PUMP NO: 1032; METAL: 13265; FORMATION: Siltstone;

DRILLING CREW PAYROLL DATA; DATE: 11-19-85; WELL NAME & NO: KCM INCORPORATED - STALE 2-14; COMPANY: KCM INCORPORATED; TOOL PUSHER: [Signature];

TIME DISTRIBUTION - HOURS; TABLE with columns for OPERATION, WORK, DAY, EVE; includes rows for 1. TOE UP AND 1. TIME DOWN, 2. DRILL ACTUAL, 3. REMOVAL, 4. CORING, 5. CONDITIONING, 6. TRIPS, 7. LUBRICATE, 8. DEPART, 9. DRILL LINE, 10. DEVIATION SURVEY, 11. HOVE LINE LOSS, 12. CEMENT, 13. TEST, 14. TEST, 15. TEST, 16. TEST, 17. TEST, 18. TEST, 19. TEST, 20. TEST, 21. TEST, 22. TEST, 23. TEST, 24. TEST, 25. TEST, 26. TEST, 27. TEST, 28. TEST, 29. TEST, 30. TEST, 31. TEST, 32. TEST, 33. TEST, 34. TEST, 35. TEST, 36. TEST, 37. TEST, 38. TEST, 39. TEST, 40. TEST, 41. TEST, 42. TEST, 43. TEST, 44. TEST, 45. TEST, 46. TEST, 47. TEST, 48. TEST, 49. TEST, 50. TEST, 51. TEST, 52. TEST, 53. TEST, 54. TEST, 55. TEST, 56. TEST, 57. TEST, 58. TEST, 59. TEST, 60. TEST, 61. TEST, 62. TEST, 63. TEST, 64. TEST, 65. TEST, 66. TEST, 67. TEST, 68. TEST, 69. TEST, 70. TEST, 71. TEST, 72. TEST, 73. TEST, 74. TEST, 75. TEST, 76. TEST, 77. TEST, 78. TEST, 79. TEST, 80. TEST, 81. TEST, 82. TEST, 83. TEST, 84. TEST, 85. TEST, 86. TEST, 87. TEST, 88. TEST, 89. TEST, 90. TEST, 91. TEST, 92. TEST, 93. TEST, 94. TEST, 95. TEST, 96. TEST, 97. TEST, 98. TEST, 99. TEST, 100. TEST;

FOOTAGE: 3790; FORMATION: Siltstone; DEVIATION RECORD: TABLE with columns for DEPTH, DEV, DIRECTION; includes rows for 1. 12, 2. 2, 3. 2, 4. 3, 5. 4, 6. 5, 7. 6, 8. 7, 9. 8, 10. 9, 11. 10, 12. 11, 13. 12, 14. 13, 15. 14, 16. 15, 17. 16, 18. 17, 19. 18, 20. 19, 21. 20, 22. 21, 23. 22, 24. 23, 25. 24, 26. 25, 27. 26, 28. 27, 29. 28, 30. 29, 31. 30, 32. 31, 33. 32, 34. 33, 35. 34, 36. 35, 37. 36, 38. 37, 39. 38, 40. 39, 41. 40, 42. 41, 43. 42, 44. 43, 45. 44, 46. 45, 47. 46, 48. 47, 49. 48, 50. 49, 51. 50, 52. 51, 53. 52, 54. 53, 55. 54, 56. 55, 57. 56, 58. 57, 59. 58, 60. 59, 61. 60, 62. 61, 63. 62, 64. 63, 65. 64, 66. 65, 67. 66, 68. 67, 69. 68, 70. 69, 71. 70, 72. 71, 73. 72, 74. 73, 75. 74, 76. 75, 77. 76, 78. 77, 79. 78, 80. 79, 81. 80, 82. 81, 83. 82, 84. 83, 85. 84, 86. 85, 87. 86, 88. 87, 89. 88, 90. 89, 91. 90, 92. 91, 93. 92, 94. 93, 95. 94, 96. 95, 97. 96, 98. 97, 99. 98, 100. 99;

MORNING TOUR; TABLE with columns for SOC. SEC. NO., NAME, HRS; includes rows for DAVID KALINS, JIMMY KALINS, BRUCE KALINS, BOB KALINS, WALTER KALINS; NO. OF DAYS: 8.00; DAY TOUR: 8.00; P.M. 4.00; A.M. 1.00;

DRILLING ASSEMBLY; BIT RECORD; MJD RECORD; TABLE with columns for BIT NO., SIZE, TYPE, MJD RECORD; includes rows for 1. 100, 2. 9 1/8, 3. 2.00, 4. 2.00, 5. 2.00, 6. 2.00, 7. 2.00, 8. 2.00, 9. 2.00, 10. 2.00, 11. 2.00, 12. 2.00, 13. 2.00, 14. 2.00, 15. 2.00, 16. 2.00, 17. 2.00, 18. 2.00, 19. 2.00, 20. 2.00, 21. 2.00, 22. 2.00, 23. 2.00, 24. 2.00, 25. 2.00, 26. 2.00, 27. 2.00, 28. 2.00, 29. 2.00, 30. 2.00, 31. 2.00, 32. 2.00, 33. 2.00, 34. 2.00, 35. 2.00, 36. 2.00, 37. 2.00, 38. 2.00, 39. 2.00, 40. 2.00, 41. 2.00, 42. 2.00, 43. 2.00, 44. 2.00, 45. 2.00, 46. 2.00, 47. 2.00, 48. 2.00, 49. 2.00, 50. 2.00, 51. 2.00, 52. 2.00, 53. 2.00, 54. 2.00, 55. 2.00, 56. 2.00, 57. 2.00, 58. 2.00, 59. 2.00, 60. 2.00, 61. 2.00, 62. 2.00, 63. 2.00, 64. 2.00, 65. 2.00, 66. 2.00, 67. 2.00, 68. 2.00, 69. 2.00, 70. 2.00, 71. 2.00, 72. 2.00, 73. 2.00, 74. 2.00, 75. 2.00, 76. 2.00, 77. 2.00, 78. 2.00, 79. 2.00, 80. 2.00, 81. 2.00, 82. 2.00, 83. 2.00, 84. 2.00, 85. 2.00, 86. 2.00, 87. 2.00, 88. 2.00, 89. 2.00, 90. 2.00, 91. 2.00, 92. 2.00, 93. 2.00, 94. 2.00, 95. 2.00, 96. 2.00, 97. 2.00, 98. 2.00, 99. 2.00, 100. 2.00;

FOOTAGE: 60; FORMATION: Siltstone; DEVIATION RECORD: TABLE with columns for DEPTH, DEV, DIRECTION; includes rows for 1. 8:00, 2. 9:00, 3. 10:00, 4. 11:00, 5. 12:00, 6. 1:00, 7. 2:00, 8. 3:00, 9. 4:00, 10. 5:00, 11. 6:00, 12. 7:00, 13. 8:00, 14. 9:00, 15. 10:00, 16. 11:00, 17. 12:00, 18. 1:00, 19. 2:00, 20. 3:00, 21. 4:00, 22. 5:00, 23. 6:00, 24. 7:00, 25. 8:00, 26. 9:00, 27. 10:00, 28. 11:00, 29. 12:00, 30. 1:00, 31. 2:00, 32. 3:00, 33. 4:00, 34. 5:00, 35. 6:00, 36. 7:00, 37. 8:00, 38. 9:00, 39. 10:00, 40. 11:00, 41. 12:00, 42. 1:00, 43. 2:00, 44. 3:00, 45. 4:00, 46. 5:00, 47. 6:00, 48. 7:00, 49. 8:00, 50. 9:00, 51. 10:00, 52. 11:00, 53. 12:00, 54. 1:00, 55. 2:00, 56. 3:00, 57. 4:00, 58. 5:00, 59. 6:00, 60. 7:00, 61. 8:00, 62. 9:00, 63. 10:00, 64. 11:00, 65. 12:00, 66. 1:00, 67. 2:00, 68. 3:00, 69. 4:00, 70. 5:00, 71. 6:00, 72. 7:00, 73. 8:00, 74. 9:00, 75. 10:00, 76. 11:00, 77. 12:00, 78. 1:00, 79. 2:00, 80. 3:00, 81. 4:00, 82. 5:00, 83. 6:00, 84. 7:00, 85. 8:00, 86. 9:00, 87. 10:00, 88. 11:00, 89. 12:00, 90. 1:00, 91. 2:00, 92. 3:00, 93. 4:00, 94. 5:00, 95. 6:00, 96. 7:00, 97. 8:00, 98. 9:00, 99. 10:00, 100. 11:00;

DAY TOUR: 8.00; P.M. 4.00; A.M. 1.00; TABLE with columns for SOC. SEC. NO., NAME, HRS; includes rows for W.E. Cronon, Jr., B.B. Brown, H.C. Ries, G.K. Byerly, B.J. Schlachter; G.K. Byerly, Strained Back;

DRILLING ASSEMBLY; BIT RECORD; MJD RECORD; TABLE with columns for BIT NO., SIZE, TYPE, MJD RECORD; includes rows for 1. 124, 2. 124, 3. 124, 4. 124, 5. 124, 6. 124, 7. 124, 8. 124, 9. 124, 10. 124, 11. 124, 12. 124, 13. 124, 14. 124, 15. 124, 16. 124, 17. 124, 18. 124, 19. 124, 20. 124, 21. 124, 22. 124, 23. 124, 24. 124, 25. 124, 26. 124, 27. 124, 28. 124, 29. 124, 30. 124, 31. 124, 32. 124, 33. 124, 34. 124, 35. 124, 36. 124, 37. 124, 38. 124, 39. 124, 40. 124, 41. 124, 42. 124, 43. 124, 44. 124, 45. 124, 46. 124, 47. 124, 48. 124, 49. 124, 50. 124, 51. 124, 52. 124, 53. 124, 54. 124, 55. 124, 56. 124, 57. 124, 58. 124, 59. 124, 60. 124, 61. 124, 62. 124, 63. 124, 64. 124, 65. 124, 66. 124, 67. 124, 68. 124, 69. 124, 70. 124, 71. 124, 72. 124, 73. 124, 74. 124, 75. 124, 76. 124, 77. 124, 78. 124, 79. 124, 80. 124, 81. 124, 82. 124, 83. 124, 84. 124, 85. 124, 86. 124, 87. 124, 88. 124, 89. 124, 90. 124, 91. 124, 92. 124, 93. 124, 94. 124, 95. 124, 96. 124, 97. 124, 98. 124, 99. 124, 100. 124;

FOOTAGE: 71; FORMATION: Siltstone; DEVIATION RECORD: TABLE with columns for DEPTH, DEV, DIRECTION; includes rows for 1. 3850, 2. 3921, 3. 3790, 4. 3850, 5. 3921, 6. 3790, 7. 3850, 8. 3921, 9. 3790, 10. 3850, 11. 3921, 12. 3790, 13. 3850, 14. 3921, 15. 3790, 16. 3850, 17. 3921, 18. 3790, 19. 3850, 20. 3921, 21. 3790, 22. 3850, 23. 3921, 24. 3790, 25. 3850, 26. 3921, 27. 3790, 28. 3850, 29. 3921, 30. 3790, 31. 3850, 32. 3921, 33. 3790, 34. 3850, 35. 3921, 36. 3790, 37. 3850, 38. 3921, 39. 3790, 40. 3850, 41. 3921, 42. 3790, 43. 3850, 44. 3921, 45. 3790, 46. 3850, 47. 3921, 48. 3790, 49. 3850, 50. 3921, 51. 3790, 52. 3850, 53. 3921, 54. 3790, 55. 3850, 56. 3921, 57. 3790, 58. 3850, 59. 3921, 60. 3790, 61. 3850, 62. 3921, 63. 3790, 64. 3850, 65. 3921, 66. 3790, 67. 3850, 68. 3921, 69. 3790, 70. 3850, 71. 3921, 72. 3790, 73. 3850, 74. 3921, 75. 3790, 76. 3850, 77. 3921, 78. 3790, 79. 3850, 80. 3921, 81. 3790, 82. 3850, 83. 3921, 84. 3790, 85. 3850, 86. 3921, 87. 3790, 88. 3850, 89. 3921, 90. 3790, 91. 3850, 92. 3921, 93. 3790, 94. 3850, 95. 3921, 96. 3790, 97. 3850, 98. 3921, 99. 3790, 100. 3850;

EVENING TOUR: 4.00; P.M. 12.00; TABLE with columns for SOC. SEC. NO., NAME, HRS; includes rows for R. Daborsch, V.D. Hudson, R. Swank, B. Fortin, J. Carr; No Acc.

No. 41774

DAILY DRILLING REPORT REPORT NO.

LEASE: **WINDING COTT - SINK** WELL NO: **214** API WELL NUMBER: DATE: **11-20-85**
 OPERATOR: **WINDING COTT - SINK** CONTRACTOR: **CLEVELAND DRILLING CO.** SIG. NO.: **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: **W. M. Barden** SIGNATURE OF CONTRACTOR'S TOOL PUSHER: **W. M. Barden**

FIELD NO.: **258** COUNTY: **IMPERIAL** STATE: **CALIF.** WIRE LINE RECORD: **10**
 LAST LANDING OF LINE: **137R** H. 25 72 82 28 3515

DRILLING CREW PAYROLL DATA
 DATE: **11-20-85**
 WELL NAME & NO.: **WINDING COTT - SINK #214**
 COMPANY: **CLEVELAND DRILLING CO.**
 TOOL PUSHER: **W. M. Barden** SIG. NO.: **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILLING	1	BIT 1274 1.00 FT.	BIT NO. 7	TIME 12 4 8
2. DRILL ACTUAL	2	181508 2.13	SIZE 1274	WEIGHT 7.31 9.4 2
3. BEARING	3	9 9 92.58 FT.	TYPE YAREL	W.C. SEC. 3774 3778
4. CONDITION	4	10.00 1.76	121111	W.C. SEC. 7 7 7
5. CORRECTIVE	5	10.00 9.82	6130	W.C. SEC. 7 7 7
6. LUBRICATE	6	10.00 2.86	DEPTH OUT 4007	W.C. SEC. 7 7 7
7. LUBRICATE	7	10.00 2.86	DEPTH IN 3800	W.C. SEC. 7 7 7
8. REPAIR	8	10.00 1.57	DEPTH IN 157	W.C. SEC. 7 7 7
9. CLEAN	9	10.00 7	DEPTH IN 7	W.C. SEC. 7 7 7
10. DEVIATION	10	10.00 3015.81	DEPTH IN 4101	W.C. SEC. 7 7 7
11. WIRE LINE LOSS	11	10.00 34.00	DEPTH IN 34	W.C. SEC. 7 7 7
12. CLEAN	12	10.00 4002.91	DEPTH IN 4002	W.C. SEC. 7 7 7
13. WIRE LINE	13	10.00 166,000	DEPTH IN 166,000	W.C. SEC. 7 7 7
14. TEST & P.	14	10.00	DEPTH IN	W.C. SEC. 7 7 7
15. DRILL STEM TEST	15	10.00	DEPTH IN	W.C. SEC. 7 7 7
16. FLUID BACK	16	10.00	DEPTH IN	W.C. SEC. 7 7 7
17. SOURCE CONTROL	17	10.00	DEPTH IN	W.C. SEC. 7 7 7
18. PUMP	18	10.00	DEPTH IN	W.C. SEC. 7 7 7
19. DRILL	19	10.00	DEPTH IN	W.C. SEC. 7 7 7
20. TEST	20	10.00	DEPTH IN	W.C. SEC. 7 7 7
21. TEST	21	10.00	DEPTH IN	W.C. SEC. 7 7 7
22. TEST	22	10.00	DEPTH IN	W.C. SEC. 7 7 7
23. TEST	23	10.00	DEPTH IN	W.C. SEC. 7 7 7
24. TEST	24	10.00	DEPTH IN	W.C. SEC. 7 7 7
25. TEST	25	10.00	DEPTH IN	W.C. SEC. 7 7 7
26. TEST	26	10.00	DEPTH IN	W.C. SEC. 7 7 7
27. TEST	27	10.00	DEPTH IN	W.C. SEC. 7 7 7
28. TEST	28	10.00	DEPTH IN	W.C. SEC. 7 7 7
29. TEST	29	10.00	DEPTH IN	W.C. SEC. 7 7 7
30. TEST	30	10.00	DEPTH IN	W.C. SEC. 7 7 7
31. TEST	31	10.00	DEPTH IN	W.C. SEC. 7 7 7
32. TEST	32	10.00	DEPTH IN	W.C. SEC. 7 7 7
33. TEST	33	10.00	DEPTH IN	W.C. SEC. 7 7 7
34. TEST	34	10.00	DEPTH IN	W.C. SEC. 7 7 7
35. TEST	35	10.00	DEPTH IN	W.C. SEC. 7 7 7
36. TEST	36	10.00	DEPTH IN	W.C. SEC. 7 7 7
37. TEST	37	10.00	DEPTH IN	W.C. SEC. 7 7 7
38. TEST	38	10.00	DEPTH IN	W.C. SEC. 7 7 7
39. TEST	39	10.00	DEPTH IN	W.C. SEC. 7 7 7
40. TEST	40	10.00	DEPTH IN	W.C. SEC. 7 7 7
41. TEST	41	10.00	DEPTH IN	W.C. SEC. 7 7 7
42. TEST	42	10.00	DEPTH IN	W.C. SEC. 7 7 7
43. TEST	43	10.00	DEPTH IN	W.C. SEC. 7 7 7
44. TEST	44	10.00	DEPTH IN	W.C. SEC. 7 7 7
45. TEST	45	10.00	DEPTH IN	W.C. SEC. 7 7 7
46. TEST	46	10.00	DEPTH IN	W.C. SEC. 7 7 7
47. TEST	47	10.00	DEPTH IN	W.C. SEC. 7 7 7
48. TEST	48	10.00	DEPTH IN	W.C. SEC. 7 7 7
49. TEST	49	10.00	DEPTH IN	W.C. SEC. 7 7 7
50. TEST	50	10.00	DEPTH IN	W.C. SEC. 7 7 7
51. TEST	51	10.00	DEPTH IN	W.C. SEC. 7 7 7
52. TEST	52	10.00	DEPTH IN	W.C. SEC. 7 7 7
53. TEST	53	10.00	DEPTH IN	W.C. SEC. 7 7 7
54. TEST	54	10.00	DEPTH IN	W.C. SEC. 7 7 7
55. TEST	55	10.00	DEPTH IN	W.C. SEC. 7 7 7
56. TEST	56	10.00	DEPTH IN	W.C. SEC. 7 7 7
57. TEST	57	10.00	DEPTH IN	W.C. SEC. 7 7 7
58. TEST	58	10.00	DEPTH IN	W.C. SEC. 7 7 7
59. TEST	59	10.00	DEPTH IN	W.C. SEC. 7 7 7
60. TEST	60	10.00	DEPTH IN	W.C. SEC. 7 7 7
61. TEST	61	10.00	DEPTH IN	W.C. SEC. 7 7 7
62. TEST	62	10.00	DEPTH IN	W.C. SEC. 7 7 7
63. TEST	63	10.00	DEPTH IN	W.C. SEC. 7 7 7
64. TEST	64	10.00	DEPTH IN	W.C. SEC. 7 7 7
65. TEST	65	10.00	DEPTH IN	W.C. SEC. 7 7 7
66. TEST	66	10.00	DEPTH IN	W.C. SEC. 7 7 7
67. TEST	67	10.00	DEPTH IN	W.C. SEC. 7 7 7
68. TEST	68	10.00	DEPTH IN	W.C. SEC. 7 7 7
69. TEST	69	10.00	DEPTH IN	W.C. SEC. 7 7 7
70. TEST	70	10.00	DEPTH IN	W.C. SEC. 7 7 7
71. TEST	71	10.00	DEPTH IN	W.C. SEC. 7 7 7
72. TEST	72	10.00	DEPTH IN	W.C. SEC. 7 7 7
73. TEST	73	10.00	DEPTH IN	W.C. SEC. 7 7 7
74. TEST	74	10.00	DEPTH IN	W.C. SEC. 7 7 7
75. TEST	75	10.00	DEPTH IN	W.C. SEC. 7 7 7
76. TEST	76	10.00	DEPTH IN	W.C. SEC. 7 7 7
77. TEST	77	10.00	DEPTH IN	W.C. SEC. 7 7 7
78. TEST	78	10.00	DEPTH IN	W.C. SEC. 7 7 7
79. TEST	79	10.00	DEPTH IN	W.C. SEC. 7 7 7
80. TEST	80	10.00	DEPTH IN	W.C. SEC. 7 7 7
81. TEST	81	10.00	DEPTH IN	W.C. SEC. 7 7 7
82. TEST	82	10.00	DEPTH IN	W.C. SEC. 7 7 7
83. TEST	83	10.00	DEPTH IN	W.C. SEC. 7 7 7
84. TEST	84	10.00	DEPTH IN	W.C. SEC. 7 7 7
85. TEST	85	10.00	DEPTH IN	W.C. SEC. 7 7 7
86. TEST	86	10.00	DEPTH IN	W.C. SEC. 7 7 7
87. TEST	87	10.00	DEPTH IN	W.C. SEC. 7 7 7
88. TEST	88	10.00	DEPTH IN	W.C. SEC. 7 7 7
89. TEST	89	10.00	DEPTH IN	W.C. SEC. 7 7 7
90. TEST	90	10.00	DEPTH IN	W.C. SEC. 7 7 7
91. TEST	91	10.00	DEPTH IN	W.C. SEC. 7 7 7
92. TEST	92	10.00	DEPTH IN	W.C. SEC. 7 7 7
93. TEST	93	10.00	DEPTH IN	W.C. SEC. 7 7 7
94. TEST	94	10.00	DEPTH IN	W.C. SEC. 7 7 7
95. TEST	95	10.00	DEPTH IN	W.C. SEC. 7 7 7
96. TEST	96	10.00	DEPTH IN	W.C. SEC. 7 7 7
97. TEST	97	10.00	DEPTH IN	W.C. SEC. 7 7 7
98. TEST	98	10.00	DEPTH IN	W.C. SEC. 7 7 7
99. TEST	99	10.00	DEPTH IN	W.C. SEC. 7 7 7
100. TEST	100	10.00	DEPTH IN	W.C. SEC. 7 7 7

FOOTAGE	DE. S. CORE C.	CON. NO.	FORMATION	ROTARY RPM	WT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	WIRE LINE LOSS
86			SILTSTONE	120	723	1100	7"	40	7"
3121	4007	D							

MORNING TOUR	12:00	P.M.	A.M.
CREW			
DRILLER	DAVID MATHIAS		
DRAWER	DAVID MATHIAS		
MUDMAN	BRUCE HILGAY		
FLUEMAN	ALAN RODRIGUEZ		
FLUEMAN			
FLUEMAN			
TRAMMEL			

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 100 1.00 FT.	BIT NO. 2	TIME 8:00 2:00 3
2	181508 2.00	SIZE 100	WEIGHT 7.31 9.4 2
3	9 9 92.58 FT.	TYPE CHRIS	W.C. SEC. 13 38 37
4	10.00 1.76	121111	W.C. SEC. 7 7 7
5	10.00 9.82	6130	W.C. SEC. 7 7 7
6	10.00 2.86	DEPTH OUT 4067	W.C. SEC. 7 7 7
7	10.00 2.86	DEPTH IN 4007	W.C. SEC. 7 7 7
8	10.00 1.57	DEPTH IN 60	W.C. SEC. 7 7 7
9	10.00 7	DEPTH IN 5	W.C. SEC. 7 7 7
10	10.00 3015.81	DEPTH IN 3015	W.C. SEC. 7 7 7
11	10.00 34.00	DEPTH IN 34	W.C. SEC. 7 7 7
12	10.00 4002.91	DEPTH IN 4002	W.C. SEC. 7 7 7
13	10.00 166,000	DEPTH IN 166,000	W.C. SEC. 7 7 7
14	10.00	DEPTH IN	W.C. SEC. 7 7 7
15	10.00	DEPTH IN	W.C. SEC. 7 7 7
16	10.00	DEPTH IN	W.C. SEC. 7 7 7
17	10.00	DEPTH IN	W.C. SEC. 7 7 7
18	10.00	DEPTH IN	W.C. SEC. 7 7 7
19	10.00	DEPTH IN	W.C. SEC. 7 7 7
20	10.00	DEPTH IN	W.C. SEC. 7 7 7
21	10.00	DEPTH IN	W.C. SEC. 7 7 7
22	10.00	DEPTH IN	W.C. SEC. 7 7 7
23	10.00	DEPTH IN	W.C. SEC. 7 7 7
24	10.00	DEPTH IN	W.C. SEC. 7 7 7
25	10.00	DEPTH IN	W.C. SEC. 7 7 7
26	10.00	DEPTH IN	W.C. SEC. 7 7 7
27	10.00	DEPTH IN	W.C. SEC. 7 7 7
28	10.00	DEPTH IN	W.C. SEC. 7 7 7
29	10.00	DEPTH IN	W.C. SEC. 7 7 7
30	10.00	DEPTH IN	W.C. SEC. 7 7 7
31	10.00	DEPTH IN	W.C. SEC. 7 7 7
32	10.00	DEPTH IN	W.C. SEC. 7 7 7
33	10.00	DEPTH IN	W.C. SEC. 7 7 7
34	10.00	DEPTH IN	W.C. SEC. 7 7 7
35	10.00	DEPTH IN	W.C. SEC. 7 7 7
36	10.00	DEPTH IN	W.C. SEC. 7 7 7
37	10.00	DEPTH IN	W.C. SEC. 7 7 7
38	10.00	DEPTH IN	W.C. SEC. 7 7 7
39	10.00	DEPTH IN	W.C. SEC. 7 7 7
40	10.00	DEPTH IN	W.C. SEC. 7 7 7
41	10.00	DEPTH IN	W.C. SEC. 7 7 7
42	10.00	DEPTH IN	W.C. SEC. 7 7 7
43	10.00	DEPTH IN	W.C. SEC. 7 7 7
44	10.00	DEPTH IN	W.C. SEC. 7 7 7
45	10.00	DEPTH IN	W.C. SEC. 7 7 7
46	10.00	DEPTH IN	W.C. SEC. 7 7 7
47	10.00	DEPTH IN	W.C. SEC. 7 7 7
48	10.00	DEPTH IN	W.C. SEC. 7 7 7
49	10.00	DEPTH IN	W.C. SEC. 7 7 7
50	10.00	DEPTH IN	W.C. SEC. 7 7 7
51	10.00	DEPTH IN	W.C. SEC. 7 7 7
52	10.00	DEPTH IN	W.C. SEC. 7 7 7
53	10.00	DEPTH IN	W.C. SEC. 7 7 7
54	10.00	DEPTH IN	W.C. SEC. 7 7 7
55	10.00	DEPTH IN	W.C. SEC. 7 7 7
56	10.00	DEPTH IN	W.C. SEC. 7 7 7
57	10.00	DEPTH IN	W.C. SEC. 7 7 7
58	10.00	DEPTH IN	W.C. SEC. 7 7 7
59	10.00	DEPTH IN	W.C. SEC. 7 7 7
60	10.00	DEPTH IN	W.C. SEC. 7 7 7
61	10.00	DEPTH IN	W.C. SEC. 7 7 7
62	10.00	DEPTH IN	W.C. SEC. 7 7 7
63	10.00	DEPTH IN	W.C. SEC. 7 7 7
64	10.00	DEPTH IN	W.C. SEC. 7 7 7
65	10.00	DEPTH IN	W.C. SEC. 7 7 7
66	10.00	DEPTH IN	W.C. SEC. 7 7 7
67	10.00	DEPTH IN	W.C. SEC. 7 7 7
68	10.00	DEPTH IN	W.C. SEC. 7 7 7
69	10.00	DEPTH IN	W.C. SEC. 7 7 7
70	10.00	DEPTH IN	W.C. SEC. 7 7 7
71	10.00	DEPTH IN	W.C. SEC. 7 7 7
72	10.00	DEPTH IN	W.C. SEC. 7 7 7
73	10.00	DEPTH IN	W.C. SEC. 7 7 7
74	10.00	DEPTH IN	W.C. SEC. 7 7 7
75	10.00	DEPTH IN	W.C. SEC. 7 7 7
76	10.00	DEPTH IN	W.C. SEC. 7 7 7
77	10.00	DEPTH IN	W.C. SEC. 7 7 7
78	10.00	DEPTH IN	W.C. SEC. 7 7 7
79	10.00	DEPTH IN	W.C. SEC. 7 7 7
80	10.00	DEPTH IN	W.C. SEC. 7 7 7
81	10.00	DEPTH IN	W.C. SEC. 7 7 7
82	10.00	DEPTH IN	W.C. SEC. 7 7 7
83	10.00	DEPTH IN	W.C. SEC. 7 7 7
84	10.00	DEPTH IN	W.C. SEC. 7 7 7
85	10.00	DEPTH IN	W.C. SEC. 7 7 7
86	10.00	DEPTH IN	W.C. SEC. 7 7 7
87	10.00	DEPTH IN	W.C. SEC. 7 7 7
88	10.00	DEPTH IN	W.C. SEC. 7 7 7
89	10.00	DEPTH IN	W.C. SEC. 7 7 7
90	10.00	DEPTH IN	W.C. SEC. 7 7 7
91	10.00	DEPTH	

No. 41775

DAILY DRILLING REPORT REPORT NO.

LEASE KENNEDY - STATE WELL NO 2-14 API WELL NUMBER DATE 11-21-85 OPERATOR DEWITT & DOE CONTRACTOR CLEVELAND DRILLING CO SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD OR OIL SALTON SEA COUNTY IMPERIAL STATE CALIF. BIRE LINE RECORD REEL NO. 10 FT. FLIPPED

DRILLING CREW PAYROLL DATA DATE 11-21-85 WELL NAME & NO. KENNEDY - STATE 2-14 COMPANY BUSH & GALT TOOL PUSHER J.M. Barber RIG NO. 6

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD, and various well operations.

FOOTAGE 148 TABLE with columns for FROM, TO, DEPTH, DEV., DIRECTION, and details of operations in sequence and remarks.

MORNING TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD, and various well operations.

FOOTAGE 23 TABLE with columns for FROM, TO, DEPTH, DEV., DIRECTION, and details of operations in sequence and remarks.

DAY TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD, and various well operations.

FOOTAGE 4301-4306 TABLE with columns for FROM, TO, DEPTH, DEV., DIRECTION, and details of operations in sequence and remarks.

EVENING TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS.

No. 41776

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT-STATE WELL NO. 2-14 API WELL NUMBER DATE 11-22-85 OPERATOR BECHTEL + D.O.E. CONTRACTOR CLEVELAND DRILLING CO. RIG NO. 6

FIELD OR BIT SALTON SEA MATERIAL CALIF. STATE SIZE LINE RECORD 10 FT. OFFER 13 3/8 N 80 72 82 2.8 3515

TIME DISTRIBUTION - HOURS: 1. DRILLING ASSEMBLY 1.00, 2. BIT RECORD 2.73, 3. MUD RECORD 9.31, 4. FOOTAGE 4306-4334, 5. FORMATION SILTSTONE-SANDSTONE

TIME DISTRIBUTION - HOURS: 1. DRILLING ASSEMBLY 1.00, 2. BIT RECORD 2.73, 3. MUD RECORD 9.31, 4. FOOTAGE 4291-4295, 5. FORMATION Siltstone & Sandstone

TIME DISTRIBUTION - HOURS: 1. DRILLING ASSEMBLY 1.00, 2. BIT RECORD 2.73, 3. MUD RECORD 9.31, 4. FOOTAGE 4401-4511, 5. FORMATION Sandstone, Siltstone, Shale

FIELD OR BIT SALTON SEA MATERIAL CALIF. STATE SIZE LINE RECORD 10 FT. OFFER 13 3/8 N 80 72 82 2.8 3515

FOOTAGE 67 FROM 4291 TO 4306, FORMATION Siltstone & Sandstone, DEVIATION RECORD

FOOTAGE 110 FROM 4401 TO 4511, FORMATION Sandstone, Siltstone, Shale, DEVIATION RECORD

FOOTAGE 110 FROM 4401 TO 4511, FORMATION Sandstone, Siltstone, Shale, DEVIATION RECORD

DRILLING CREW PAYROLL DATA DATE 11-22-85 WELL NAME & NO. KENNECOTT-STATE 2-14 COMPANY BECHTEL + D.O.E. TOOL PUSHER J.M. Hardner RIG NO. 6

CREW: DRILLER DAVID MATHIS, DREAM DAVID TREVARILLEN, STEWARD BRUCE HENDRY, FIREMAN TOM SIEGALL, FLIGHT ARMANDO RODRIGUEZ

DAY FOUR 8 A.M. - 4 P.M. CREW: DRILLER R.D. Heerman, DREAM D. Vantassel, STEWARD C. Cantrell, FIREMAN E.E. Hoff, FLIGHT E. Woodley

EVENING TOUR 4:00 P.M. - 12:00 P.M. CREW: DRILLER R. Daharsh, DREAM V.D. Hudson, STEWARD B. Swank, FIREMAN B. Fortin, FLIGHT J. Carr

No. 41777

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott - STATE; WELL NO: 2-14; API WELL NUMBER: 11-23-85; DATE: 11-23-85

OPERATOR: Bechtel/Dos; CONTRACTOR: Cleveland; SIGNATURE OF OPERATOR'S REPRESENTATIVE: J. W. Bechtel; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: W. M. Gardner

WIRE LINE RECORD: SIZE 1 3/8, PUMP NO. 10, PUMP PRESS. 1032; FORMATION: Sandstone-siltstone-shale

DRILLING CREW PAYROLL DATA: DATE 11-23-85; WELL NAME & NO. Kennecott State 2-14; COMPANY: Bechtel/Dos; TOOL PUSHER: W. M. Gardner; RIG NO. 6

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD.

FOOTAGE 98 table with columns for FROM, TO, SLAP TIME, CODE NO., and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

MORNING TOUR 12:00 P.M. 8:00 A.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD.

FOOTAGE 32 table with columns for FROM, TO, SLAP TIME, CODE NO., and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

DAY TOUR 8 A.M. 4 P.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD.

FOOTAGE 4671 table with columns for FROM, TO, SLAP TIME, CODE NO., and DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS.

EVENING TOUR 4:00 P.M. 12:00 P.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

No. 41778

DAILY DRILLING REPORT REPORT NO.

LEASE: KENNECOTT STATE 2-14; WELL NO: 2-14; API WELL NUMBER: 11-2485; OPERATOR: BECHTEL DOE; CONTRACTOR: CLEVELAND; SIGNATURE OF OPERATOR'S REPRESENTATIVE: S. ...; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: P.M. ...

WELL HEAD: SALTON SEA; COUNTY: IMPERIAL; STATE: CALIF; WIRE LINE RECORD: 13/8; 10; 28; 103; 3515; SIZE: 20; 13 1/2; 25; 82; WEIGHT: 155; 84; 25; 82

DRILLING CREW PAYROLL DATA: DATE: 11-24-85; WELL NAME & NO: KENNECOTT STATE 2-14; COMPANY: BECHTEL DOE; TOOL PUSHER: P.M. ...

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD. Includes rows for 1. DRILLING, 2. RUNNING, 3. CONNECTION, etc.

FOOTAGE table with columns for FROM, TO, CODE NO., FORMATION, ROTARY RPM, etc. Includes rows for 4641, 4276, 4599, etc.

MORNING TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like W.E. Cronan, B.B. Brown, etc.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD.

FOOTAGE table (continued) with columns for FROM, TO, CODE NO., FORMATION, ROTARY RPM, etc.

DAY TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like R.A. Heaton, D. Vanasse, etc.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD.

FOOTAGE table (continued) with columns for FROM, TO, CODE NO., FORMATION, ROTARY RPM, etc.

EVENING TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like P. Dabosh, V.D. Hudson, etc.

No. 41779

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott - state
 WELL NO: 2-14
 API WELL NUMBER: 11-25-85
 OPERATOR: Bechtel / DOE
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: A.W. Smith
 CONTRACTOR: Cleveland
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.M. Gardner
 DATE: 11-25-85
 RIG NO.: 6

FIELD OF DIST: Saffar Sec
 COUNTY: Imperial
 STATE: Calif
 WELL LINE RECORD: REEL NO. 10
 SIZE: 13 7/8
 NO. LINES: 10
 FT. TRIPPED: 3875
 PUMP NO. 1: 1032
 PUMP NO. 2: 3875

DRILLING CREW PAYROLL DATA
 DATE: 11-25-85
 WELL NAME & NO: Kennecott State 2-14
 COMPANY: Bechtel
 TOOL PUSHER: J.M. Gardner
 RIG NO.: 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILLING				
2. TRIP				
3. CONNECTION				
4. LUBRICATE				
5. STAND BY				
6. OTHER				
7. TOTAL				

FOOTAGE	FORMATION	ROTARY SPEED	W.P. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.P. TO CUT	W.P. AT
4676								

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		WE Cronin JR	8
DRAWER		BB Brown	8
MUDMAN		HE Ries	8
FIREMAN		GK Beyerly	8
FIREMAN		BT Schluchter	8

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	9 7/8	100	300
2	6 5/8	278	9.2
3	6 3/8	35	
4	5 1/2	11200	
5	4 1/2	1676	
6	4 1/4	14	
7	4 1/4	14	
8	4 1/4	14	
9	4 1/4	14	
10	4 1/4	14	
11	4 1/4	14	
12	4 1/4	14	
13	4 1/4	14	
14	4 1/4	14	
15	4 1/4	14	
16	4 1/4	14	
17	4 1/4	14	
18	4 1/4	14	
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93	4 1/4	14	
94	4 1/4	14	
95	4 1/4	14	
96	4 1/4	14	
97	4 1/4	14	
98	4 1/4	14	
99	4 1/4	14	
100	4 1/4	14	

FOOTAGE	FORMATION	ROTARY SPEED	W.P. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.P. TO CUT	W.P. AT
4676	Siltstone & shale	60	120	400	7	20	7	5

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		RA Heerman	8
DRAWER		J. Vanasse	8
MUDMAN		C. Coates	8
FIREMAN		E.E. Holt	8
FIREMAN		R. Harris	8

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	12 1/4	100	400
2	12 1/4	360	9.3
3	12 1/4	9.3	
4	12 1/4	9.3	
5	12 1/4	9.3	
6	12 1/4	9.3	
7	12 1/4	9.3	
8	12 1/4	9.3	
9	12 1/4	9.3	
10	12 1/4	9.3	
11	12 1/4	9.3	
12	12 1/4	9.3	
13	12 1/4	9.3	
14	12 1/4	9.3	
15	12 1/4	9.3	
16	12 1/4	9.3	
17	12 1/4	9.3	
18	12 1/4	9.3	
19	12 1/4	9.3	
20	12 1/4	9.3	
21	12 1/4	9.3	
22	12 1/4	9.3	
23	12 1/4	9.3	
24	12 1/4	9.3	
25	12 1/4	9.3	
26	12 1/4	9.3	
27	12 1/4	9.3	
28	12 1/4	9.3	
29	12 1/4	9.3	
30	12 1/4	9.3	
31	12 1/4	9.3	
32	12 1/4	9.3	
33	12 1/4	9.3	
34	12 1/4	9.3	
35	12 1/4	9.3	
36	12 1/4	9.3	
37	12 1/4	9.3	
38	12 1/4	9.3	
39	12 1/4	9.3	
40	12 1/4	9.3	
41	12 1/4	9.3	
42	12 1/4	9.3	
43	12 1/4	9.3	
44	12 1/4	9.3	
45	12 1/4	9.3	
46	12 1/4	9.3	
47	12 1/4	9.3	
48	12 1/4	9.3	
49	12 1/4	9.3	
50	12 1/4	9.3	
51	12 1/4	9.3	
52	12 1/4	9.3	
53	12 1/4	9.3	
54	12 1/4	9.3	
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56	12 1/4	9.3	
57	12 1/4	9.3	
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59	12 1/4	9.3	
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67	12 1/4	9.3	
68	12 1/4	9.3	
69	12 1/4	9.3	
70	12 1/4	9.3	
71	12 1/4	9.3	
72	12 1/4	9.3	
73	12 1/4	9.3	
74	12 1/4	9.3	
75	12 1/4	9.3	
76	12 1/4	9.3	
77	12 1/4	9.3	
78	12 1/4	9.3	
79	12 1/4	9.3	
80	12 1/4	9.3	
81	12 1/4	9.3	
82	12 1/4	9.3	
83	12 1/4	9.3	
84	12 1/4	9.3	
85	12 1/4	9.3	
86	12 1/4	9.3	
87	12 1/4	9.3	
88	12 1/4	9.3	
89	12 1/4	9.3	
90	12 1/4	9.3	
91	12 1/4	9.3	
92	12 1/4	9.3	
93	12 1/4	9.3	
94	12 1/4	9.3	
95	12 1/4	9.3	
96	12 1/4	9.3	
97	12 1/4	9.3	
98	12 1/4	9.3	
99	12 1/4	9.3	
100	12 1/4	9.3	

FOOTAGE	FORMATION	ROTARY SPEED	W.P. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W.P. TO CUT	W.P. AT
4688	P.O.H.	120	120	1600	7	49	7	5
4843	P.O.H.	120	120	1600	7	49	7	5

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R. Dabarsch	8
DRAWER		V. D. Hudson	8
MUDMAN		B. Swank	8
FIREMAN		B. Larkin	8
FIREMAN		J. Carr	8

No. 41780

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State	WELL NO. 2-14	API WELL NUMBER	DATE 11-26-85
OPERATOR Bachtel / Doe	CONTRACTOR Cleveland	RIG NO. 6	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Giesch</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>W.M. Hardman</i>		
D.P. SIZE 5 195 B	TOOL JOINT 6 7/8 4 1/2 IP	TYPE N1300 16	CLASS 16
D.P. SIZE 5 195 G	TOOL JOINT 6 7/8 4 1/2 IP	TYPE N1300 16	CLASS 16

FIELD OR DIST. Salt Lake	COUNTY Imperial	STATE Calif.	WIRE LINE RECORDED REEL NO. 138
SIZE 20	NAME KSS 94	PT. & OR. 25	REEL TO C.M. NO. 7.8
LAST CASING TOP ON LINE 13 1/8	N80 72	82	REEL AT 1032
			FEET 3515

DRILLING CREW PAYROLL DATA DATE 11-26-85
WELL NAME & NO. Kennecott State 2-14
COMPANY W.M. Hardman
RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (1st and 2nd)	BIT RECORD	MWD RECORD
1. DRILL ACTUAL 2 1/2		BIT NO. 13 SIZE 4.92	TYPE RR12 WEIGHT 1279 PRESSURE GRADIENT 1279	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
2. CONNECTION 3 1/2		TYPE Yard SIZE L-126 TYPE L-126	TYPE Yard SIZE L-126	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
3. LUBRICATE 5 1/4		TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
4. STAND BY 3 1/2		TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
5. TOTAL 14 1/2				

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP PRESS.	PUMP NO. 1 LINE SIZE	PUMP NO. 2 LINE SIZE	WASH S.P.M.	WASH S.P.M.	WASH S.P.M.
4697	4710	D	Siltstone + shale	120	1/2	400	7"	48	7"	5

CREW	SOC. SEC. NO.	NAME	HRS.	A.M.
DRILLER		W.E. Cronin, J.R.	8	
DREMAN		B.B. Brown	8	
STRIPPER		H.S. Bries	8	
FIREMAN		G.K. Buxley	8	
FIREMAN		B.J. Schluchter	8	

NO.	DRILLING ASSEMBLY (1st and 2nd)	BIT RECORD	MWD RECORD
1	BIT NO. 13 SIZE 4.92	TYPE RR12 WEIGHT 1279 PRESSURE GRADIENT 1279	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
2	TYPE Yard SIZE L-126 TYPE L-126	TYPE Yard SIZE L-126	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
3	TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
4	TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
5			

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP PRESS.	PUMP NO. 1 LINE SIZE	PUMP NO. 2 LINE SIZE	WASH S.P.M.	WASH S.P.M.	WASH S.P.M.
4710										

CREW	SOC. SEC. NO.	NAME	HRS.	P.M.
DRILLER		R.A. Heerman	5	
DREMAN		J. Cantassel	5	
STRIPPER		C. Cantassel	5	
FIREMAN		E.E. Hertz	5	
FIREMAN		K. Hardis	5	

NO.	DRILLING ASSEMBLY (1st and 2nd)	BIT RECORD	MWD RECORD
1	BIT NO. 13 SIZE 4.92	TYPE RR12 WEIGHT 1279 PRESSURE GRADIENT 1279	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
2	TYPE Yard SIZE L-126 TYPE L-126	TYPE Yard SIZE L-126	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
3	TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
4	TYPE N1300 SIZE 123	TYPE N1300 SIZE 123	TIME 12:11 WGT. 4 1/2" RPM 8 1/2"
5			

FOOTAGE	NO. OF CORES	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP PRESS.	PUMP NO. 1 LINE SIZE	PUMP NO. 2 LINE SIZE	WASH S.P.M.	WASH S.P.M.	WASH S.P.M.
4710										

CREW	SOC. SEC. NO.	NAME	HRS.	P.M.
DRILLER		DAVID MATHIS	8	
DREMAN		DAVID TREWETHLOW	8	
STRIPPER		BRUCE HENRY	8	
FIREMAN		TOM STEGALL	8	
FIREMAN		DEBRAE RODRIGUEZ	8	

No. 41781

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State 2-14	WELL NO. 2-14	API WELL NUMBER	DATE 11-27-85
OPERATOR Bechtel/DOE	CONTRACTOR Cleveland		RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>W. E. Cronen</i> 11-27-85		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>W. E. Cronen</i>	
SP. DR. 5 195 E 6 1/4 4 1/2 123	TOOL JT O.D. 4 1/2 4 1/2 4 1/2	TYPE THREAD 210 210 210	SPRING NO. 1 2 3
PUMP NO. 1		PUMP MANUFACTURER National	TYPE N1300
PUMP NO. 2		PUMP MANUFACTURER National	TYPE N1300

FIELDS OR DIST. SALTON SEA (IMPERIAL)	COUNTY CALIF.	STATE CA	STREET LINE RECORD 1032	WELL NO. 10	PT. E PIPES
SIZE 20	NAME KSS	WT. & GR. 99	NO. JOINTS 25	NET AS 28	1032
LAST CASING LOGGED ON WELL 13 1/2	N80	72	82	3315	

DRILLING CREW PAYROLL DATA DATE 11-27-85
WELL NAME & NO. Kennecott State 2-14
COMPANY Bechtel/DOE
TOOL PUSHER W. E. Cronen RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (Last of well)	BIT RECORD	MUD RECORD
1. DRILLING	1	2.05	BIT NO. 1	TIME 12:00 - 1:00
2. CONNECTION	2	2.22	BIT NO. 2	WEIGHT 9.1 9.1
3. TRIP	3	9.25	TYPE 1/2" 1/2" 1/2"	SPC. REC. 38 1/2 4 1/2
4. CORING	4	30.60	DEPTH IN FT. 123	TYPE 1/2" 1/2" 1/2"
5. CONNECTION	5	90.82	DEPTH OUT	DEPTH IN
6. CONNECTION	6	723.98	DEPTH IN	DEPTH IN
7. CONNECTION	7	992.52	TOTAL FT. 123	TOTAL FT. 123
8. CONNECTION	8	3737.97	TOTAL FT. 123	TOTAL FT. 123
9. CONNECTION	9	23	TOTAL FT. 123	TOTAL FT. 123
10. CONNECTION	10	9710	TOTAL FT. 123	TOTAL FT. 123
11. CONNECTION	11	180,000	WT. OF STONE 180,000	WT. OF STONE 180,000

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY RATE	W. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W. ON BIT
4710		200	500	7"	50	7"	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
12	1	19	1	19	Work over Junk			
1	2	19	1	19	" " " "			
2	3	6	1	6	Raft			
3	4	1	1	6	work Dc			
4	5	1	1	6	work Dc. Log Down Junk Basket Make up mill			
5	6	1	1	6	Run in Fill Pipe			
6	7	6-17	1	6-17	1/2 Run in 1/2 mill on Junk			
7	8	1	1	19	Mill on Junk			

MORNING TOUR	P.M.	A.M.	
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		W. E. Cronen	8
DRAWER		B. B. Brown	8
STRAMAN		H. E. Ries	8
FIREMAN		G. K. Byrly	8
FLANAGAN		B. J. Schluchter	8
FRANKE			
NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT		
DAY TOUR	8 A.M. - 4 P.M.		

NO.	DRILLING ASSEMBLY (Last of well)	BIT RECORD	MUD RECORD
1	2.05	BIT NO. 1	TIME 2:00 - 3:00
2	360	BIT NO. 2	WEIGHT 9.1 9.1
3	2.72	TYPE 1/2" 1/2" 1/2"	SPC. REC. 38 1/2 4 1/2
4	6.76	DEPTH IN FT. 123	TYPE 1/2" 1/2" 1/2"
5	92.08	DEPTH OUT	DEPTH IN
6	90.82	DEPTH IN	DEPTH IN
7	3060	TOTAL FT. 123	TOTAL FT. 123
8	723.98	TOTAL FT. 123	TOTAL FT. 123
9	952.52	TOTAL FT. 123	TOTAL FT. 123
10	3737.97	TOTAL FT. 123	TOTAL FT. 123
11	23	TOTAL FT. 123	TOTAL FT. 123
12	4712	TOTAL FT. 123	TOTAL FT. 123
13	180,000	WT. OF STONE 180,000	WT. OF STONE 180,000

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY RATE	W. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W. ON BIT
4710		200	500	7"	50	7"	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	2	19	1	19	Mill on Junk			
9	10	19	1	19	" " " "			
10	11	19	1	19	" " " "			
11	12	19.5	1	19.5	" " " "			
12	1	6	1	6	RAH			
1	2	6	1	6	RAH			
2	3	6	1	6	Work DC of R.I.H.			
3	4	6-5	1	6-5	R.I.H. & Fill Pipe			

DAY TOUR	P.M.	A.M.	
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R. A. Hedinger	8
DRAWER		D. Loufasse	8
STRAMAN		C. Conroy	8
FIREMAN		E. E. Hoff	8
FLANAGAN		E. Harkis	8
FRANKE			
NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT		
DAY TOUR	4:00 P.M. - 12:00 P.M.		

NO.	DRILLING ASSEMBLY (Last of well)	BIT RECORD	MUD RECORD
1	5.16	BIT NO. 1	TIME 4:00 - 5:12
2	30.60	BIT NO. 2	WEIGHT 9.1 9.1
3	10.98	TYPE 1/2" 1/2" 1/2"	SPC. REC. 38 1/2 4 1/2
4	22.58	DEPTH IN FT. 123	TYPE 1/2" 1/2" 1/2"
5	92.08	DEPTH OUT	DEPTH IN
6	90.82	DEPTH IN	DEPTH IN
7	723.98	TOTAL FT. 123	TOTAL FT. 123
8	952.52	TOTAL FT. 123	TOTAL FT. 123
9	3737.97	TOTAL FT. 123	TOTAL FT. 123
10	23	TOTAL FT. 123	TOTAL FT. 123
11	4712	TOTAL FT. 123	TOTAL FT. 123
12	180,000	WT. OF STONE 180,000	WT. OF STONE 180,000

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY RATE	W. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	W. ON BIT
4710		200	500	7"	50	7"	5

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4	5	19	1	19	MILLING ON JUNK #2 (HOLD SAFETY HASTING WITH BAW)			
5	6	19	1	19	" " " "			
6	7	19	1	19	" " " "			
7	8	19	1	19	" " " "			
8	9	19-6	1	19-6	MILL ON JUNK 1/2 P.O.M. 1/2 (VAN STD)			
9	10	1	1	6	R.P.H.			
10	11	1	1	6	RAY ON MILL, PICK UP JUNK BASKET & SUBS			
11	12	1	1	6	WORK DC; RUN			

EVENING TOUR	P.M.	A.M.	
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		DAVID MATHIS	8
DRAWER		DAVID TRIVARTEN	8
STRAMAN		BRUCE HANCOX	8
FIREMAN		TONY STEGALL	8
FLANAGAN		ROBERTO RODRIGUEZ	8
FRANKE			
NO. OF DAYS	SINCE LAST LOST TIME ACCIDENT		
DAY TOUR	NO ACC.		

No. 41782

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State WELL NO 2-14 API WELL NUMBER DATE 11-28-85 OPERATOR Bechtel / DOE CONTRACTOR Cleveland Signature of Operator's Representative Signature of Contractor's Tool Pusher

WIRE LINE RECORD SIZE 1 3/8 NO LINES 10 FT. RIPPED PRESENT LENGTH 3515

DRILLING CREW PAYROLL DATA DATE 11-28-85 WELL NAME & NO. Kennecott State 2-14 COMPANY Bechtel / D.O.E. TOOL PUSHER Richard Nussell

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE and FORMATION (SHOW CORE RECOVERY) TABLE with columns for FROM, TO, NO. OF CORES, CORE NO., and FORMATION details.

MORNING TOUR 12:00 P.M. 8:00 A.M. TABLE listing CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE and FORMATION (SHOW CORE RECOVERY) TABLE (continued) with columns for FROM, TO, NO. OF CORES, CORE NO., and FORMATION details.

DAY TOUR 8:00 A.M. 4:00 P.M. TABLE listing CREW, SOC. SEC. NO., NAME, and HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various operational metrics.

FOOTAGE and FORMATION (SHOW CORE RECOVERY) TABLE (continued) with columns for FROM, TO, NO. OF CORES, CORE NO., and FORMATION details.

EVENING TOUR 4:00 P.M. 12:00 P.M. TABLE listing CREW, SOC. SEC. NO., NAME, and HRS.

No. 41783

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, DATE: 11-29-85, OPERATOR: Bechtel/Doc, CONTRACTOR: Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE: A.W. Couch, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Richard Nischel

TABLE WITH 10 COLUMNS: DRILLER, DATE, TIME, FEET, INCHES, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, PUMP NO. 3, PUMP NO. 4

DRILLING CREW PAYROLL DATA: DATE 11-29-85, WELL NAME & NO. Kennecott State 2-14, COMPANY: Bechtel/D.O.E., TOOL PUSHER: Richard Nischel

TIME DISTRIBUTION - HOURS: TABLE WITH 4 COLUMNS: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

FOOTAGE 82: TABLE WITH 10 COLUMNS: FROM, TO, DRILLER, DATE, TIME, FEET, INCHES, PUMP PRESS, PUMP NO. 1, PUMP NO. 2

MORNING TOUR 12:00 P.M. 8:00 A.M.: TABLE WITH 4 COLUMNS: CREW, SOC. SEC. NO., NAME, HRS.

DRILLING ASSEMBLY BIT RECORD MWD RECORD: TABLE WITH 4 COLUMNS: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

FOOTAGE 72: TABLE WITH 10 COLUMNS: FROM, TO, DRILLER, DATE, TIME, FEET, INCHES, PUMP PRESS, PUMP NO. 1, PUMP NO. 2

DAY TOUR 8:00 A.M. 4:00 P.M.: TABLE WITH 4 COLUMNS: CREW, SOC. SEC. NO., NAME, HRS.

DRILLING ASSEMBLY BIT RECORD MWD RECORD: TABLE WITH 4 COLUMNS: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

FOOTAGE 80: TABLE WITH 10 COLUMNS: FROM, TO, DRILLER, DATE, TIME, FEET, INCHES, PUMP PRESS, PUMP NO. 1, PUMP NO. 2

EVENING TOUR 4:00 P.M. 12:00 P.M.: TABLE WITH 4 COLUMNS: CREW, SOC. SEC. NO., NAME, HRS.

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED (P) APPROVED (P) No. 41783

No. 41784

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State WELL NO. 2-11 API WELL NUMBER DATE 11-30-85
 OPERATOR Sochtel & D.O.C. CONTRACTOR Cleveland Drilling Co. RIG NO. #6
 SIGNATURE OF OPERATOR'S REPRESENTATIVE W. C. Crick SIGNATURE OF CONTRACTOR'S TOOL PUSHER W. H. ...

WELL SIZE 5 1/2 INCHES DIAMETER Imperial STATE Ohio
 SURFACE ELEVATION 1215 FEET SURFACE RECORD NO. 1215
 LAST CORING DEPTH 1340 FEET LAST CORING DATE 11-20-85

DRILLING CREW PATROLL DATA
 DATE 11-30-85
 WELL NAME & NO. Kennecott State 2-11
 COMPANY Sochtel & D.O.C.
 TOOL PUSHER W. H. ... RIG NO. #6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILL UP AND DOWN	1	12 1/4 1.00	12 1/4 3.91	8.74 8.94 8.9
2. DRILL ACTUAL	2	12 1/4 3.91	12 1/4 8.17	VAREL
3. RETURN	3	9 1/2 2.58	9 1/2 7.57	V-517
4. COMING	4	12 1/4 3.91	12 1/4 8.17	VAREL
5. POSITION UP	5	12 1/4 3.91	12 1/4 8.17	VAREL
6. TRIP	6	12 1/4 3.91	12 1/4 8.17	VAREL
7. LOCATE ON	7	12 1/4 3.91	12 1/4 8.17	VAREL
8. RETURN	8	12 1/4 3.91	12 1/4 8.17	VAREL
9. DRILL UP	9	12 1/4 3.91	12 1/4 8.17	VAREL
10. DRILL DOWN	10	12 1/4 3.91	12 1/4 8.17	VAREL
11. DRILL UP	11	12 1/4 3.91	12 1/4 8.17	VAREL
12. DRILL DOWN	12	12 1/4 3.91	12 1/4 8.17	VAREL
13. DRILL UP	13	12 1/4 3.91	12 1/4 8.17	VAREL
14. DRILL DOWN	14	12 1/4 3.91	12 1/4 8.17	VAREL
15. DRILL UP	15	12 1/4 3.91	12 1/4 8.17	VAREL
16. DRILL DOWN	16	12 1/4 3.91	12 1/4 8.17	VAREL
17. DRILL UP	17	12 1/4 3.91	12 1/4 8.17	VAREL
18. DRILL DOWN	18	12 1/4 3.91	12 1/4 8.17	VAREL
19. DRILL UP	19	12 1/4 3.91	12 1/4 8.17	VAREL
20. DRILL DOWN	20	12 1/4 3.91	12 1/4 8.17	VAREL
21. DRILL UP	21	12 1/4 3.91	12 1/4 8.17	VAREL
22. DRILL DOWN	22	12 1/4 3.91	12 1/4 8.17	VAREL
23. DRILL UP	23	12 1/4 3.91	12 1/4 8.17	VAREL
24. DRILL DOWN	24	12 1/4 3.91	12 1/4 8.17	VAREL

FOOTAGE	NO.	FORMATION	ROTARY TIME	FL. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD
4972	5007	Shale & Siltstone	5:40	30	1600	7"	7"	5
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 1 1 1 2 2 2 2 1 2 2 3 2 1 2 2 4 2 1 2 2 5 2 1 2 2 6 2 1/2 1/2 10-G SURVEY & R.O.H. 7 2 1 6 R.O.H.								

MORNING TOUR	SOC. SEC. NO.	NAME	HRS
DRILLER		R.A. Heerman	8
DREWMAN		C. Ventress	8
INTERMAN		C. Cantrell	8
FIREMAN		E.G. Hill	8
FLOORMAN		R. Harbick	8
TRAINEE		No Acc	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	12 1/4 1.00	12 1/4 3.91	8.74 8.94 8.9
2	12 1/4 3.91	12 1/4 8.17	VAREL
3	9 1/2 2.58	9 1/2 7.57	V-517
4	12 1/4 3.91	12 1/4 8.17	VAREL
5	12 1/4 3.91	12 1/4 8.17	VAREL
6	12 1/4 3.91	12 1/4 8.17	VAREL
7	12 1/4 3.91	12 1/4 8.17	VAREL
8	12 1/4 3.91	12 1/4 8.17	VAREL
9	12 1/4 3.91	12 1/4 8.17	VAREL
10	12 1/4 3.91	12 1/4 8.17	VAREL
11	12 1/4 3.91	12 1/4 8.17	VAREL
12	12 1/4 3.91	12 1/4 8.17	VAREL
13	12 1/4 3.91	12 1/4 8.17	VAREL
14	12 1/4 3.91	12 1/4 8.17	VAREL
15	12 1/4 3.91	12 1/4 8.17	VAREL
16	12 1/4 3.91	12 1/4 8.17	VAREL
17	12 1/4 3.91	12 1/4 8.17	VAREL
18	12 1/4 3.91	12 1/4 8.17	VAREL
19	12 1/4 3.91	12 1/4 8.17	VAREL
20	12 1/4 3.91	12 1/4 8.17	VAREL
21	12 1/4 3.91	12 1/4 8.17	VAREL
22	12 1/4 3.91	12 1/4 8.17	VAREL
23	12 1/4 3.91	12 1/4 8.17	VAREL
24	12 1/4 3.91	12 1/4 8.17	VAREL

FOOTAGE	NO.	FORMATION	ROTARY TIME	FL. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD
5007	5009	Shale, Siltstone	5:35	30	1600	7"	7"	5
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 8 9 1 6 R.O.H. 9 10 1 6 lay down 1/2 NB-stb, Junk sub + stb. 10 11 1 6 lay up b.t + R.H. 11 12 1 6 R.H. 12 1 1 3-2 1/2 Break Circ & Room F/4970 To 5007. 3 Drill 1 2 2 2 Drill 2 3 2 2 Drill 3 4 2 2 Drill								

EVENING TOUR	SOC. SEC. NO.	NAME	HRS
DRILLER		R. Dahgrsh	8
DREWMAN		V.D. Hudson	8
INTERMAN		R. Swank	8
FIREMAN		B. Cortin	8
FLOORMAN		J. Carr	8
TRAINEE		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	12 1/4 1.00	12 1/4 3.91	8.74 8.94 8.9
2	12 1/4 3.91	12 1/4 8.17	VAREL
3	9 1/2 2.58	9 1/2 7.57	V-517
4	12 1/4 3.91	12 1/4 8.17	VAREL
5	12 1/4 3.91	12 1/4 8.17	VAREL
6	12 1/4 3.91	12 1/4 8.17	VAREL
7	12 1/4 3.91	12 1/4 8.17	VAREL
8	12 1/4 3.91	12 1/4 8.17	VAREL
9	12 1/4 3.91	12 1/4 8.17	VAREL
10	12 1/4 3.91	12 1/4 8.17	VAREL
11	12 1/4 3.91	12 1/4 8.17	VAREL
12	12 1/4 3.91	12 1/4 8.17	VAREL
13	12 1/4 3.91	12 1/4 8.17	VAREL
14	12 1/4 3.91	12 1/4 8.17	VAREL
15	12 1/4 3.91	12 1/4 8.17	VAREL
16	12 1/4 3.91	12 1/4 8.17	VAREL
17	12 1/4 3.91	12 1/4 8.17	VAREL
18	12 1/4 3.91	12 1/4 8.17	VAREL
19	12 1/4 3.91	12 1/4 8.17	VAREL
20	12 1/4 3.91	12 1/4 8.17	VAREL
21	12 1/4 3.91	12 1/4 8.17	VAREL
22	12 1/4 3.91	12 1/4 8.17	VAREL
23	12 1/4 3.91	12 1/4 8.17	VAREL
24	12 1/4 3.91	12 1/4 8.17	VAREL

FOOTAGE	NO.	FORMATION	ROTARY TIME	FL. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	METHOD
5069	5167	SHALE - SILTSTONE	5:55	30	1600	7"	7"	5
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS 4 5 1 2 DRILL 5 6 1 2 DRILL TO SCALE 6 7 1/2 1/2 10-G SURVEY & 5056 1/2 DRILL 1/2 7 8 1 2 DRILL 8 9 1 2 " 9 10 1 2 " 10 11 1 2 " 11 12 1 2 DRILL TO 5167								

EVENING TOUR	SOC. SEC. NO.	NAME	HRS
DRILLER		DAVID MATHIS	8
DREWMAN		DAVID TREVARTHEN	8
INTERMAN		BRUCE HENDRY	8
FIREMAN		TOM STEGALL	8
FLOORMAN		ARMANDO RODRIGUEZ	8
TRAINEE		NO ACC.	

DATE OF DRILLING REPORT

OPERATOR: *LENGOOTH - GUY* CONTRACTOR: *CONTRACTOR* SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

APR BELL NUMBER: *12-1-85* REPORT NO.: *12-1-85* DATE: *12-1-85*

LADC - API OFFICIAL DAILY DRILLING REPORT FORM

Main data table with columns for NO. OF DAYS, TIME, DEPTH, and various well parameters. Includes handwritten entries for 'SHALE-SILTSTONE', 'R.I.H.', and 'NO REC.'.

DRILLING CREW PARROLL DATA: *[List of names]* BELL NAME & NO.: *[Information]* COMPACT: *[Information]* TOOL PUSHER: *[Information]*

No. 41786

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, API WELL NUMBER: 12-2-85, OPERATOR: Kennecott State, CONTRACTOR: Woodward Clyde Co., SIGNATURE OF OPERATOR'S REPRESENTATIVE: B. W. Rich, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Willard Michal

FIELD OR DIST: 54100 500, COUNTY: Imperial, STATE: Calif, WIRE LINE RECORD: SIZE 1 7/8, NO. LINES 10, FT. KLIPPED 10, LAST CORING DEPTH: 20" 1250 9H 25, 20" 1072, 1510 H-00 TA BR, 2215

DRILLING CREW PATROLL DATA: DATE 12-2-85, WELL NAME & NO: Kennecott State 2-14, COMPANY: Kennecott State, TOOL PUSHER: Willard Michal, RIG NO: 2-6

TIME DISTRIBUTION - HOURS: 1. TIME DOWN, 2. DRILL ACTUAL, 3. REMAINING, 4. CORING, 5. CONDITION TEST, 6. TAPP, 7. LUBRICATE DR, 8. REPAIRING, 9. HOIST LINE, 10. DEVIATION SURVEY, 11. WIRE LINE LOSS, 12. BURN CASING, 13. BURN CEMENT, 14. BURN UP, 15. TEST SUMP, 16. SMALL TEST, 17. PLUG BACK, 18. SURVEY CEMENT, 19. FINISH, 20. DRILLER'S TIME, 21. TIME UP, 22. CREATING, 23. FINISHING, 24. ADDITIONAL

FOOTAGE 12, CORE NO. 5220, FORMATION (SHOW CORE RECOVERY): Shale of Silchester, DEVIATION RECORD: 12 1 1 2, 12 2 2 3, 12 3 3 4, 12 4 4 5, 12 5 5 6, 12 6 6 7, 12 7 7 8

MORNING TOUR: 12 P.M., CREW: DRILLER RA. Herman, DREMAN U. Vantassel, STRAMAN C. Cantrell, FIREMAN G. S. Hoff, FIREMAN P. Harkis

NO. DRILLING ASSEMBLY: 1. BIT 12 1/4, 2. B.S. 3.01, 3. 12 1/4, 4. 12 1/4, 5. 12 1/4, 6. 12 1/4, 7. 12 1/4, 8. 12 1/4, 9. 12 1/4, 10. 12 1/4, 11. 12 1/4, 12. 12 1/4, 13. 12 1/4, 14. 12 1/4, 15. 12 1/4, 16. 12 1/4, 17. 12 1/4, 18. 12 1/4, 19. 12 1/4, 20. 12 1/4

FOOTAGE 16, CORE NO. 5230, FORMATION (SHOW CORE RECOVERY): Shale, DEVIATION RECORD: 5230 5346 D, 5230 5346 D, 5230 5346 D, 5230 5346 D, 5230 5346 D, 5230 5346 D, 5230 5346 D, 5230 5346 D

DAY TOUR: 8:00 A.M. - 4:00 P.M., CREW: DRILLER R. Dabagsh, DREMAN V. D. Hudson, STRAMAN R. Swank, FIREMAN S. Corbin, FIREMAN J. Carr

NO. DRILLING ASSEMBLY: 1. BIT 12 1/4, 2. B.S. 3.01, 3. 12 1/4, 4. 12 1/4, 5. 12 1/4, 6. 12 1/4, 7. 12 1/4, 8. 12 1/4, 9. 12 1/4, 10. 12 1/4, 11. 12 1/4, 12. 12 1/4, 13. 12 1/4, 14. 12 1/4, 15. 12 1/4, 16. 12 1/4, 17. 12 1/4, 18. 12 1/4, 19. 12 1/4, 20. 12 1/4

FOOTAGE 35, CORE NO. 5326, FORMATION (SHOW CORE RECOVERY): SHALE, DEVIATION RECORD: 5326 5391 D, 5326 5391 D, 5326 5391 D, 5326 5391 D, 5326 5391 D, 5326 5391 D, 5326 5391 D, 5326 5391 D

EVENING TOUR: 4:00 P.M. - 12:00 P.M., CREW: DRILLER DAVID MATHIS, DREMAN DAVID TREVARTHEN, STRAMAN BRUCE HEADRY, FIREMAN ION SILGALL, FIREMAN ARMANDO RODRIGUEZ

No. 41788

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Kennecott State</i>	WELL NO. <i>2-14</i>	API WELL NUMBER	DATE <i>12-4-85</i>
OPERATOR <i>Bechtel & DOE</i>	CONTRACTOR <i>Cleveland Tool Co.</i>		
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S. W. Bunch</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>W. J. Haveland</i>		
S.P. MEAS <i>5-18.5 E</i>	FT. FT. <i>6.14</i>	GRADE <i>4 1/2"</i>	TYPE TREAD <i>4 1/2"</i>
S.P. MEAS <i>5-18.5 G</i>	FT. FT. <i>6.14</i>	GRADE <i>4 1/2"</i>	TYPE TREAD <i>4 1/2"</i>

WELL OR D.C. <i>Selton</i>	SEGMENT <i>Sea</i>	DEPTH <i>Impair</i>	STAFF <i>Calif</i>
SIZE <i>20"</i>	MAKE <i>K-55</i>	WT. & GR. <i>98</i>	JCL JOINTS <i>25'</i>
SIZE <i>13 3/8"</i>	MAKE <i>11-80</i>	WT. & GR. <i>72</i>	JCL JOINTS <i>82</i>
REV. NO. <i>10</i>	REV. NO. <i>10</i>	REV. NO. <i>10</i>	REV. NO. <i>10</i>

DRILLING CREW PAYROLL DATA
DATE <i>12-4-85</i>
WELL NAME & NO. <i>Kennecott State 2nd</i>
COMPANY <i>Bechtel & DOE</i>
TOOL PUSHER <i>W. J. Haveland</i>

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILLING				
2. TRIP				
3. CLEANING				
4. CONNECTION				
5. CONDITION				
6. TRIPS				
7. LUBRICATE				
8. CLEAN				
9. BREAK				
10. SURVEY				
11. LOSS				
12. CEMENT				
13. OTHER				
TOTAL				

FOOTAGE	FORMATION	ROTARY	FL. ON	PUMP	PUMP	PUMP	PUMP
5422							
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH
12	1	1	21	Run to top water			
2	2	1	21	Initial mud loss + on - Cut. Delg. line top ft.			
2	3	1	11	Dig up to Run temp survey			
2	4	1	11	Run temp survey			
2	5	1	11	Run temp survey			
2	6	1	11				
2	7	1	11				
2	8	1	11				

MORNING TOUR	NO. OF DATE	SINCE LAST LOST TIME ACCIDENT
DRILLER	R.A. Heaman	8
DRAWER	D. Vanouse	8
WTRMAN	C. Cantrell	8
FIREMAN	E.E. Hoff	8
FLRMAN	R. Harris	8
FLRMAN	No. Acc.	
FLRMAN		
FLRMAN		
FLRMAN		
FLRMAN		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	1224 600	BIT NO. AA #17	TIME
1	135 492	SIZE 12 1/4	PRESSURE GRADIENT
1	135 208	WT. 5-33	MISC. REC.
1	135 010	JCL 010	DEPT. IN
1	135 323828	BIT NO. 323828	DEPT. IN
23	BH 69396	DEPTH OUT 5422	SOLIDS %
50	BHA 70196	TOTAL FT. 70196	TYPE
50	470496	TOTAL WGT. 470496	TYPE
50	5122	TOTAL 5122	TYPE
50	140000	WT. OF STING 140000	TYPE

FOOTAGE	FORMATION	ROTARY	FL. ON	PUMP	PUMP	PUMP	PUMP
5422							
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH
8	9	1	11	Run temp survey			
9	10	1	11	Run temp survey			
10	11	1	11	Run temp survey			
11	12	1	11	Run temp survey			
12	13	1	11	Run temp survey			
13	14	1	11	Run temp survey			
14	15	1	11	Run temp survey			
15	16	1	11	Run temp survey			
16	17	1	11	Run temp survey			
17	18	1	11	Run temp survey			
18	19	1	11	Run temp survey			
19	20	1	11	Run temp survey			
20	21	1	11	Run temp survey			
21	22	1	11	Run temp survey			
22	23	1	11	Run temp survey			
23	24	1	11	Run temp survey			
24	25	1	11	Run temp survey			
25	26	1	11	Run temp survey			
26	27	1	11	Run temp survey			
27	28	1	11	Run temp survey			
28	29	1	11	Run temp survey			
29	30	1	11	Run temp survey			
30	31	1	11	Run temp survey			
31	32	1	11	Run temp survey			
32	33	1	11	Run temp survey			
33	34	1	11	Run temp survey			
34	35	1	11	Run temp survey			
35	36	1	11	Run temp survey			
36	37	1	11	Run temp survey			
37	38	1	11	Run temp survey			
38	39	1	11	Run temp survey			
39	40	1	11	Run temp survey			
40	41	1	11	Run temp survey			
41	42	1	11	Run temp survey			
42	43	1	11	Run temp survey			
43	44	1	11	Run temp survey			
44	45	1	11	Run temp survey			
45	46	1	11	Run temp survey			
46	47	1	11	Run temp survey			
47	48	1	11	Run temp survey			
48	49	1	11	Run temp survey			
49	50	1	11	Run temp survey			
50	51	1	11	Run temp survey			
51	52	1	11	Run temp survey			
52	53	1	11	Run temp survey			
53	54	1	11	Run temp survey			
54	55	1	11	Run temp survey			
55	56	1	11	Run temp survey			
56	57	1	11	Run temp survey			
57	58	1	11	Run temp survey			
58	59	1	11	Run temp survey			
59	60	1	11	Run temp survey			
60	61	1	11	Run temp survey			
61	62	1	11	Run temp survey			
62	63	1	11	Run temp survey			
63	64	1	11	Run temp survey			
64	65	1	11	Run temp survey			
65	66	1	11	Run temp survey			
66	67	1	11	Run temp survey			
67	68	1	11	Run temp survey			
68	69	1	11	Run temp survey			
69	70	1	11	Run temp survey			
70	71	1	11	Run temp survey			
71	72	1	11	Run temp survey			

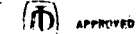
DAY TOUR	NO. OF DATE	SINCE LAST LOST TIME ACCIDENT
DRILLER	R. Dahqash	8
DRAWER	V. D. Hudson	8
WTRMAN	P. Swank	8
FIREMAN	B. Tolton	8
FLRMAN	J. Carr	8
FLRMAN	No. Acc.	
FLRMAN		
FLRMAN		
FLRMAN		
FLRMAN		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
3	8756 242	BIT NO. 18	TIME
3	134 13.05	SIZE 12 1/4	PRESSURE GRADIENT
3	9 92.58	WT. Verol	MISC. REC.
1	30.60	JCL 131913	DEPT. IN
3	8 92.84	BIT NO. 131913	DEPT. IN
3	XO 4.03	DEPTH OUT 5422	SOLIDS %
1	388	TOTAL FT. 388	TYPE
24	MW 72396	TOTAL WGT. 72396	TYPE
24	BHA 101035	TOTAL 101035	TYPE
24	407804	WT. OF STING 407804	TYPE
24	10	TOTAL 10	TYPE
24	5099	WT. OF STING 5099	TYPE
24	155000	WT. OF STING 155000	TYPE

FOOTAGE	FORMATION	ROTARY	FL. ON	PUMP	PUMP	PUMP	PUMP
5422							
5029	5099	R		100%	1100	7"	7" 55 5
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH
4	5	1	5	Change over to mud			
5	6	1	6	Pull out			
6	7	1	6	Pull out Break Bit + XO			
7	8	1	6	Make up BHA			
8	9	1	6	Work DC. Pick up Shoot sub			
9	10	1	6	Run in Fill Pipe			
10	11	6 3	6 3	Run in Tight Hole @ 5029 1/2 Beams F5029			
11	12	1	3	Beam to 5029			

EVENING TOUR	NO. OF DATE	SINCE LAST LOST TIME ACCIDENT
DRILLER	W.E. CROWD	8
DRAWER	B.B. Brown	8
WTRMAN	H.E. Ries	8
FIREMAN	G.K. Byerly	8
FLRMAN	D.J. Schlichter	8
FLRMAN	No. Acc.	
FLRMAN		
FLRMAN		
FLRMAN		
FLRMAN		

PRINTED IN U.S.A.



IADC-API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED



APPROVED No. 41788

No. 41789

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Keenecott State 2-44</i>	WELL NO. <i>2-44</i>	API WELL NUMBER	DATE <i>12-5-85</i>
OPERATOR <i>Bechtel & DOE</i>		CONTRACTOR <i>Cleveland Sales Co.</i>	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Gruch 12-5-85</i>		SIGNATURE OF CONTRACTOR'S TOOL-PUSHER <i>B.M. Hardner</i>	
S.P. WEE	WT./FT.	GRADE	TOOL JOINT
<i>5-185 E</i>	<i>64</i>	<i>4472</i>	<i>20</i>
<i>5-185 E</i>	<i>64</i>	<i>4472</i>	<i>20</i>

FIELD NO. <i>Salton 588</i>	COUNTY <i>Imperial</i>	STATE <i>Calif.</i>	WIRE LINE RECORD WELL NO. <i>13/B 10</i>
DATE <i>12-5-85</i>	TIME <i>11:30 AM</i>	DEPTH <i>1380</i>	TYPE <i>15</i>
WELL NO. <i>1380</i>	DATE <i>12-5-85</i>	WT. & GR. <i>72</i>	NO. OF <i>82</i>

DRILLING CREW PAYROLL DATA
DATE <i>12-5-85</i>
WELL NAME & NO. <i>Keenecott State 2-44</i>
COMPANY <i>Bechtel & DOE</i>
TOOL PUSHER <i>B.M. Hardner</i>

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 910	SIZE 1 3/4
2. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
3. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
4. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
5. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
6. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
7. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
8. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
9. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
10. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
11. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
12. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
13. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
14. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
15. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
16. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
17. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
18. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
19. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
20. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
21. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
22. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
23. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
24. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
25. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
26. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
27. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
28. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
29. RIG UP AND TEST DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
30. RIG DOWN	1	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4

FOOTAGE	FORMATION	WELL LOG	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5422	SHAN D							
5089	5422 R							
12	1	1	1					
1	2	3/4	3					
2	3	1	6					
3	4	1/2	1/2					
4	5	1	6					
5	6	1	6					
6	7	1	6					
7	8	1	6					

DRILLER	DAVID MATHIS	8
DRAWER	DAVID TREVARTHEN	8
WTRMAN	BRUCE HENDRY	8
FIRMAN	TOM SIEGALL	8
FLRMAN	ARMANDO RODRIGUEZ	8
FLRMAN		
TRANE		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
17	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
18	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
19	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
20	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
21	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
22	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
23	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
24	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
25	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
26	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
27	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
28	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
29	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
30	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4

FOOTAGE	FORMATION	WELL LOG	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5424								
8	9	1	6					
9	10	1	6					
10	11	1	6					
11	12	1	21					
12	1	1	21					
1	2	1	21					
2	3	1	21					
3	4	1	21					

DRILLER	DAVID MATHIS	8
DRAWER	DAVID TREVARTHEN	8
WTRMAN	BRUCE HENDRY	8
FIRMAN	TOM SIEGALL	8
FLRMAN	ARMANDO RODRIGUEZ	8
FLRMAN		
TRANE		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
19	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
20	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
21	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
22	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
23	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
24	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
25	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
26	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
27	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
28	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
29	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4
30	11214 1.00 FT	BIT NO. 1314	SIZE 1 3/4

FOOTAGE	FORMATION	WELL LOG	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5424								
4	5	1	21					
5	6	1	21					
6	7	1	21					
7	8	1	21					
8	9	1	21					
9	10	1	21					
10	11	1	21					
11	12	1	21					

DRILLER	W.E. Cronan Jr	8
DRAWER	B.B. Brown	8
WTRMAN	H.E. Bies	8
FIRMAN	G.K. Buech	8
FLRMAN	B.J. Schluabfer	8
FLRMAN		
TRANE		

No. 41790

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, DATE: 12-6-85, OPERATOR: Bockel & JOE, CONTRACTOR: Cleveland Drilling Co., SIGNATURE OF OPERATOR'S REPRESENTATIVE: J.W. Bockel, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.M. Gardner

WELL DATA: 20' K-55 9 1/2, 13 3/4 N-80 7 1/2, 25, 28, 1082, 9215, SIRE LINE RECORD: 150, 10, 1082, 9215

DRILLING CREW PAYROLL DATA: DATE: 12-6-85, WELL NAME & NO: Kennecott State 2-14, COMPANY: Bockel & JOE, TOOL PUSHER: J.M. Gardner, RIG NO: 46

TIME DISTRIBUTION - HOURS: Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th.

FOOTAGE 12: 5424 5466 0, FORMATION: SILTSTONE + SANDSTONE, DEVIATION RECORD: 12 1 1 21 inspect MW, 1 2 1 6 POK'd work DC, 2 3 1 6 3/4 SSB'd work DC, 3 4 1 2 RIN, 4 5 1 6 RIN, 5 6 1/2 1/2-2 1/2 Run fill Drill pipe & Jobj, 6 7 1 2 Jobj, 7 8 1 2 Jobj

MORNING TOUR 12:00 P.M. 8 A.M. CREW: DAVID MATHIS, DAVID THAVARTHAN, BRUCE HUNRY, TIM STEGALL, NORMAN RODRIGUEZ

NO. DRILLING ASSEMBLY: 1 12 1/2 1.00 19, 2 12 1/2 1.00 19, 3 12 1/2 1.00 19, 4 12 1/2 1.00 19, 5 12 1/2 1.00 19, 6 12 1/2 1.00 19, 7 12 1/2 1.00 19, 8 12 1/2 1.00 19, 9 12 1/2 1.00 19, 10 12 1/2 1.00 19, 11 12 1/2 1.00 19, 12 12 1/2 1.00 19, 13 12 1/2 1.00 19, 14 12 1/2 1.00 19, 15 12 1/2 1.00 19, 16 12 1/2 1.00 19, 17 12 1/2 1.00 19, 18 12 1/2 1.00 19, 19 12 1/2 1.00 19, 20 12 1/2 1.00 19

FOOTAGE 100: 5466 5574 0, FORMATION: SILTSTONE + SANDSTONE, DEVIATION RECORD: 8 9 1 2 DRILL TO 5511, 9 10 1/2 1/2 1/2 SURVEY & 57 1/2 DRILL 1/2, 10 11 1 2 DRILL, 11 12 1 2 DRILL, 12 1 1 2 DRILL TO 5574, 1 2 1 5 CUR. BOTTOMS UP, 2 3 1/2 1/2 5-10 GARAGE SURVEY & 55 1/2, 3 4 1 6 R.O.D.H. (1- BIT SUR 6 1/2 BOX x 7 1/2 IN RECUT)

DAY TOUR 8:00 A.M. 11:00 P.M. CREW: DAVID MATHIS, DAVID THAVARTHAN, BRUCE HUNRY, TIM STEGALL, NORMAN RODRIGUEZ

TOTALS: 8 8 8, BETWEEN THIS REPORT (OFFICE USE ONLY), NET WEIGHTS & P., NET MUDS & P., NET MUDS & P., NET STANDST., TOTAL DAY WORK

FOOTAGE 6: 5574 5580 6, FORMATION: SILTSTONE + SANDSTONE, DEVIATION RECORD: 4 10 5:00 1 6 Pullout, 5:00 6:00 1 6 work DC, 6:00 7:00 1 6 Pick-up Core Barrel, 7:00 8:00 1 6 Run in, 8:00 9:00 1 6 Run in Fill PA, 9:00 10:00 1/2 1/2 6-9 1/2 Run in 1/2 Core, 10:00 11:00 1 9 Core, 11:00 12:00 1 9 Core

EVENING TOUR 4:00 P.M. 12:00 P.M. CREW: W.E. Cronan JR, B.B. Brown, H.E. Bies, G.K. Byers, B.J. Schlachter

No. 41791

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott State** WELL NO. **2-14** API WELL NUMBER DATE **12-7-85**

OPERATOR **Bechtel D.O.E.** CONTRACTOR **Cleveland** RIG NO. **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **S. J. Smith** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **J. M. Gardner**

WELL DEPTH **12,785**

W.P.	W.P.	GRADE	TOOL FT. O.D.	TYPE	THROAT	STRENGTH	PUMP NO.	PUMP MANUFACTURER	TYPE	STRENGTH
5"	19.5	E	7 1/4"	JF	210	102	National	N-1300	16	
5"	19.5	G	6 1/4"	JF	123					

WELL DEPTH **12,785**

W.P.	W.P.	GRADE	TOOL FT. O.D.	TYPE	THROAT	STRENGTH	PUMP NO.	PUMP MANUFACTURER	TYPE	STRENGTH
20	K-55	99	25							
13 1/2"	N-80	72	82							

WELL LINE RECORD

W.P.	W.P.	LINE	PT. RIPPED
178	10		

DRILLING CREW PATROLL DATA

DATE **12-7-85**

WELL NAME & NO. **Kennecott State 2-14**

COMPANY **Bechtel D.O.E.**

TOOL PUSHER **J. M. Gardner** RIG NO. **6**

MORNING TOUR **12:00** P.M. **8:00** A.M.

NO.	DRILLING ASSEMBLY	BIT RECORD	MD RECORD
1	100 FT. 35.80	9 7/8	8.9 8.9
2	30.34 FT. 30.34	Mc 201	37 36
3	1.53 FT. 1.53	5571	4 4
4	603.87 FT. 603.87	17	4 4
5	671.94 FT. 671.94	17	4 4
6	4792.8 FT. 4792.8	5571	4 4
7	17 FT. 17	5571	4 4
8	5591 FT. 5591	5571	4 4
9	120,000 FT. 120,000	5571	4 4

FOOTAGE	W.P.	CONC.	FORMATION	ROTARY	W.P.	PUMP	PUMP	PUMP	W.P.
5580	5591	C	Core	60	30	800	7	30	7
5591	5672	D	Core	40	30	800	7	30	7
5591	5672	R	Core	40	30	800	7	30	7
5591	5672	R	Core	40	30	800	7	30	7

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1			4		Core
2			4		Core
3			4		Core
4			4		Core
5	8-5	4-6	8	5	Core
6			6		Core
7			6		Core
8			4		Core

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

12 1 4 Core
 1 2 4 Core
 3 3 4 Core
 4 4 4 Core
 5 8-5 4-6 8 Core & P.O.H.
 6 6 6
 7 6 6
 8 4 4
 Service Core barrel by Contractor

Depth 6,000 5591
 Fuel 5%
 Robert Polak

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		P. Dahansh	8
DRAWER		R. D. Hudson	8
WIREMAN		R. Swank	8
FIREMAN		M. G. K. Byerly	8
FLANER		J. Carr	8
FLANER		B. Fortin No. show	
TRAMMEL		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MD RECORD
1	1274 FT. 1274	12 1/4	8 12 4
2	1.71 FT. 1.71	12 1/4	9.0 9.0
3	18.74 FT. 18.74	VACUE	33 35
4	31.58 FT. 31.58	L-114	7 24 36
5	28.52 FT. 28.52	18 1/8	7 24 36
6	90.87 FT. 90.87	18 1/8	7 24 36
7	4.80 FT. 4.80	5672	4 4
8	28.32 FT. 28.32	5071	4 4
9	603.57 FT. 603.57	51	4 4
10	671.94 FT. 671.94	51	4 4
11	4728.76 FT. 4728.76	5672	4 4
12	18.00 FT. 18.00	5672	4 4
13	5672.06 FT. 5672.06	5672	4 4
14	703,000 FT. 703,000	5672	4 4

FOOTAGE	W.P.	CONC.	FORMATION	ROTARY	W.P.	PUMP	PUMP	PUMP	W.P.
5591	5672	D	Core	40	30	800	7	30	7
5591	5672	R	Core	40	30	800	7	30	7
5591	5672	R	Core	40	30	800	7	30	7
5591	5672	R	Core	40	30	800	7	30	7

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8			6		MAKE UP B.H.A., WORK DC
9			6		P.O.H.
10			3		BRK. CIRCUIT, REAK. FROM 5542 TO 5571
11			2		DRILL
12			2		DRILL
1			2		DRILL
2			2		DRILL
3			2-5		DRILL TO 5 1/2" CIR. 1/2"

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

8 9 1 6 MAKE UP B.H.A., WORK DC
 9 10 1 6 P.O.H.
 10 11 1 3 BRK. CIRCUIT, REAK. FROM 5542 TO 5571
 11 12 1 2 DRILL
 12 1 1 2
 1 2 1 2
 2 3 1 2
 3 4 1 2-5 DRILL TO 5 1/2" CIR. 1/2"

DRILLER David Mather

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DRAWER		DAVID TREWARTHEN	8
WIREMAN		BRUCE HENDRY	8
FIREMAN		TOM STEWELL	8
FLANER		ARMANDO RODRIGUEZ	8
FLANER			
TRAMMEL		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MD RECORD
1	100 FT. 100	11 1/2	12 4
2	13.91 FT. 13.91	12 1/4	9.0 9.0
3	18.75 FT. 18.75	Veral	33 35
4	31.58 FT. 31.58	V.517	7 24 36
5	28.52 FT. 28.52	18 1/8	7 24 36
6	90.87 FT. 90.87	18 1/8	7 24 36
7	4.80 FT. 4.80	5658	4 4
8	20.28 FT. 20.28	5658	4 4
9	603.17 FT. 603.17	16	4 4
10	671.94 FT. 671.94	16	4 4
11	4728.76 FT. 4728.76	16	4 4
12	18.00 FT. 18.00	16	4 4
13	5658 FT. 5658	16	4 4
14	703,000 FT. 703,000	16	4 4

FOOTAGE	W.P.	CONC.	FORMATION	ROTARY	W.P.	PUMP	PUMP	PUMP	W.P.
5672	5658	D	Core	40	30	800	7	30	7
5672	5658	D	Core	40	30	800	7	30	7
5672	5658	D	Core	40	30	800	7	30	7
5672	5658	D	Core	40	30	800	7	30	7

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5			5		Circ
6			6		Pull out on 1/2 50
7			6		Pull out
8			6		Work DC. Change Bit
9			6		Run in Log Down. Drive Jaws
10			6		Run in Fill Pipe
11			6-2		Run in Fill Pipe & Dr. 1/2
12			2		Drip

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

5 5 1 5 Circ
 6 6 1 6 Pull out on 1/2 50
 7 6 1 6 Pull out
 8 6 1 6 Work DC. Change Bit
 9 6 1 6 Run in Log Down. Drive Jaws
 10 6 1 6 Run in Fill Pipe
 11 6-2 1 6 Run in Fill Pipe & Dr. 1/2
 12 2 1 2 Drip

Acc. ok Camak

WILLIAM W. F. Cramer Jr

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. F. Cramer	8
DRAWER		R. B. Brown	8
WIREMAN		H. E. Rios	8
FIREMAN		G. K. Byerly	8
FLANER		R. J. Schlueter	8
FLANER			
TRAMMEL		No Acc.	

No. 41792

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kenecott State 2-14 WELL NO. 2-14 API WELL NUMBER DATE 12-8-85 CONTRACTOR Cleveland 6 SIGNATURE OF OPERATOR'S REPRESENTATIVE Bechtel & D.O.E. SIGNATURE OF CONTRACTOR'S TOOL PUSHER M. Gardner

FOOTAGE RECORD 5658 5785' D. FORMATION Silstone, Sandstone. DEVIATION RECORD 5658 5785' D. N-76-E Temp 200'

DRILLING CREW PAYROLL DATA DATE 12-8-85 WELL NAME & NO. Kenecott State 2-14 COMPANY Bechtel & D.O.E. TOOL PUSHER M. Gardner

TIME DISTRIBUTION - HOURS. NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD. Includes columns for work, day, evt., and various drilling parameters.

FOOTAGE RECORD 116 5785 5901' D. FORMATION SILTSTONE - SANDSTONE. DEVIATION RECORD 5767 5901' D. N-78-E 250'

MORNING TOUR 12:00 P.M. 8:00. CREW LIST: DRILLER R. Doharsh, DRENNAN V.D. Hudson, WRENNAN K. Swank, FIREMAN B. Fortin, J. Carr.

NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD. Includes columns for work, day, evt., and various drilling parameters.

FOOTAGE RECORD 99 5901 6000' D. FORMATION Silstone + sandstone. DEVIATION RECORD 5901 6000' D. ACCOK CO. M. OK

EVENING TOUR 9:00 P.M. 12:00. CREW LIST: DRILLER W.E. Cronson, DRENNAN B.B. Brown, WRENNAN H.E. Ries, FIREMAN G.K. Byerly, B.J. Schlaubter.

TOTALS. NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD. Summary of drilling data.

FOOTAGE RECORD 99 5901 6000' D. FORMATION Silstone + sandstone. DEVIATION RECORD 5901 6000' D. ACCOK CO. M. OK

EVENING TOUR 9:00 P.M. 12:00. CREW LIST: DRILLER W.E. Cronson, DRENNAN B.B. Brown, WRENNAN H.E. Ries, FIREMAN G.K. Byerly, B.J. Schlaubter.

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

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APPROVED No. 41792

No. 41793

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Keaneccott State 2-14 WELL NO. DATE 12-9-85

OPERATOR Bechtel & D.O.E. CONTRACTOR Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.E. SIZE 5" WT. 19.5 GRADE E 68/84 TYPE IF STRIKE NO. 210

TIME DISTRIBUTION - HOURS table with columns for work, bat, eye, and various operations.

DRILLING ASSEMBLY table with columns for bit, size, type, and various assembly components.

DRILLING ASSEMBLY table with columns for bit, size, type, and various assembly components.

WIRE LINE RECORD table with columns for size, name, wt. & dr., joints, feet, etc.

FOOTAGE table with columns for from, to, and core no.

DEVIATION RECORD table with columns for depth, dev., direction, etc.

FOOTAGE table with columns for from, to, and core no.

DEVIATION RECORD table with columns for depth, dev., direction, etc.

FOOTAGE table with columns for from, to, and core no.

DEVIATION RECORD table with columns for depth, dev., direction, etc.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

DRILLING CREW PAYROLL DATA table with columns for crew, soc. sec. no., name, hrs.

APPROVED (signature)

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED (signature)

APPROVED (signature) No. 41793

No. 40601

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kennecott State 2-14 DATE 12-10-85
CONTRACTOR Cleveland
SIGNATURE OF OPERATOR'S REPRESENTATIVE DTP Rahn
SIGNATURE OF CONTRACTOR'S TOOL PUSHER J.J. Gardner

WIRE LINE RECORD WELL NO. 138 10
SIZE 1 3/8 IN. LINE 10
WT. 3565
LAST CASING TORQUE ON LINE 20" K-55 99 25 28 1032

DRILLING CREW PAYROLL DATA DATE 12-10-85
WELL NAME & NO. Kennecott State 2-14
COMPANY Bechtel + D.O.E.
TOOL PUSHER J.J. Gardner

TIME DISTRIBUTION - HOURS
NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD
1 SS 12.74 100 FT. RR 19

FOOTAGE DEVIATION RECORD
FORMATION (SHOW CORE RECOVERY)
12 1 Run U.S.G.S. Temp. Survey
11 Run U.S.G.S. Temp. Survey
11 Run U.S.G.S. Temp. Survey

MORNING TOUR 12:00 P.M. 8:00 A.M.
CREW SOC. SEC. NO. NAME HRS
DRILLER R. Daharsh 8

NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD
17 NV 592.57
18 NV 813.25
55 5174.54

FOOTAGE DEVIATION RECORD
FORMATION (SHOW CORE RECOVERY)
10 9 1 5 CIRC. TO COOL MUD
9 10 1/2 5-6 CIRC. 1/2 P.O.O.H. 1/2

DAY TOUR 8:00 P.M. 4:00
CREW SOC. SEC. NO. NAME HRS
DRILLER DAVID MATTHEWS 8

TOTALS
NO. DRILLING ASSEMBLY BIT RECORD MUD RECORD
17 NV 592.57
18 NV 813.25
55 5174.54

FOOTAGE DEVIATION RECORD
FORMATION (SHOW CORE RECOVERY)
6000
1 5 Run Temp & Caliper Log
2 8 Run Acoustic Seep Log

EVENING TOUR 4 P.M. 12 P.M.
CREW SOC. SEC. NO. NAME HRS
DRILLER R.A. Herman 8

No. 40602

DAILY DRILLING REPORT REPORT NO.

LEASE	Kennecott State	WELL NO.	2-14	API WELL NUMBER		DATE	12-11-85
OPERATOR	Ber, Mel & D.G.F.	CONTRACTOR	Cleveland	SIGNATURE OF CONTRACTOR'S TOOL PUSHER	M. Gardner	RIG NO.	6
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER					
D. J. Melton		M. Gardner					
D.P. HOLE	WT. FT.	GRADE	TOOL JT. O.D.	TYPE	THREAD	STEM NO.	PUMP NO.
B	19.5	E	6 1/4	IF	2 1/2	123	122
5	19.5	G	6 1/4	IF	2 1/2	123	N-1300

FIELD OR DIST.	Sea	COUNTY	Imperial	STATE	Ca	WIRE LINE RECORD	REEL NO.
SIZE	20"	HAIR	K-55	WT. & OR.	94	WT. OF WIRE	10
NO. JOINTS	25	NO. JOINTS	82	FRT	2.8	PRESTRESS LENGTH	
PRESTRESS LENGTH		WT. OF WIRE		PRESTRESS LENGTH		WT. OF WIRE	

DRILLING CREW PAYROLL DATA

DATE 12-11-85

WELL NAME & NO. Kennecott State 2-14

COMPANY Ber, Mel & D.G.F.

TOOL PUSHER M. Gardner RIG NO. 6

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (See end of report)		BIT RECORD		MUD RECORD	
1. DRILL				BIT	WT.	PI	BIT NO.	TIME	
2. TRIP				WT.			WT.	WEIGHT	
3. RIG UP				PRESSURE			PRESSURE	PRESSURE	
4. RIG DOWN				TYPE			TYPE	VIC. SEC.	
5. CONING				PI			PI	PI	
6. CONNECTION				PI			PI	PI	
7. FISHING				PI			PI	PI	
8. CLEANING				PI			PI	PI	
9. LUBRICATING				PI			PI	PI	
10. MAINTENANCE				PI			PI	PI	
11. OTHER				PI			PI	PI	
TOTAL	8	8	8						

FOOTAGE		NO. D CORE NO.		CORP NO.		FORMATION (SHOW CORE RECOVERY)				PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO. D CORE	NO. D CORE	NO. D CORE	NO. D CORE										
6000															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION	
TIME LOG	TIME	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
1	1	1	11	Run Natural Gamma & Gamma Spectral			
2	2	1	11				
3	3	1	11				
4	4	1	11				
5	5	1	11				
6	6	1	11				
7	7	1	11				
8	8	1	11				

MORNING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R. Dagher	8
DREAMAN		V. D. Hudson	8
STRAMAN		N. Swank	8
FIREMAN		B. Cortin	8
FLGRAN		J. Carr	8
FLGRAN		No. Acc.	
FRAN			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (See end of report)		BIT RECORD		MUD RECORD	
1. DRILL				BIT	WT.	PI	BIT NO.	TIME	
2. TRIP				WT.			WT.	WEIGHT	
3. RIG UP				PRESSURE			PRESSURE	PRESSURE	
4. RIG DOWN				TYPE			TYPE	VIC. SEC.	
5. CONING				PI			PI	PI	
6. CONNECTION				PI			PI	PI	
7. FISHING				PI			PI	PI	
8. CLEANING				PI			PI	PI	
9. LUBRICATING				PI			PI	PI	
10. MAINTENANCE				PI			PI	PI	
11. OTHER				PI			PI	PI	
TOTAL	8	8	8						

FOOTAGE		NO. D CORE NO.		CORP NO.		FORMATION (SHOW CORE RECOVERY)				PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO. D CORE	NO. D CORE	NO. D CORE	NO. D CORE										
6000															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION	
TIME LOG	TIME	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
8	9	1	11	RUN NATURAL GAMMA + GAMMA SPECTRAL LOSS			
9	10	1	11				
10	11	1	11	RUN SONIC + A.V. LOGS			
11	12	1	11				
12	1	1	11				
1	2	1	11				
2	3	1	11				
3	4	1	11				

DAY TOUR			
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		DAVID MAING	8
DREAMAN		DAVID TREVARTHIN	8
STRAMAN		BRUCE HENDRY	8
FIREMAN		TOM STEGALL	8
FLGRAN		ARMANDO RODRIGUEZ	8
FLGRAN		No. Acc.	
FRAN			

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (See end of report)		BIT RECORD		MUD RECORD	
1. DRILL				BIT	WT.	PI	BIT NO.	TIME	
2. TRIP				WT.			WT.	WEIGHT	
3. RIG UP				PRESSURE			PRESSURE	PRESSURE	
4. RIG DOWN				TYPE			TYPE	VIC. SEC.	
5. CONING				PI			PI	PI	
6. CONNECTION				PI			PI	PI	
7. FISHING				PI			PI	PI	
8. CLEANING				PI			PI	PI	
9. LUBRICATING				PI			PI	PI	
10. MAINTENANCE				PI			PI	PI	
11. OTHER				PI			PI	PI	
TOTAL	8	8	8						

FOOTAGE		NO. D CORE NO.		CORP NO.		FORMATION (SHOW CORE RECOVERY)				PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO. D CORE	NO. D CORE	NO. D CORE	NO. D CORE										
6000															

DEVIATION RECORD		DEPTH		DEV.		DIRECTION	
TIME LOG	TIME	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
4	5	1	11	Run Temp Caliber log			
5	6	1	11				
6	7	1	11				
7	8	1	11				
8	9	1	11	Run Temp			
9	10	1	11				
10	11	1	11				
11	12	1	11				

EVENING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R.A. Heerman	8
DREAMAN		D. Vantassel	8
STRAMAN		C. Cantrell	8
FIREMAN		E.E. Hall	8
FLGRAN		R. Hobbs	8
FLGRAN		No. Acc.	
FRAN			

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No. 40602

No. 40603

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State	WELL NO. 2-14	API WELL NUMBER	DATE 12-12-85
OPERATOR Bechtel & D.O.F.	CONTRACTOR Cleveland	FIELD OF PIT Saltan Sea	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S. J. Smith</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Richard N. ...</i>	COUNTY Imperial	STATE Ca
R.P. NO. 5"	WT. FT. 19.5	GRADE E	TOOL JO G.S. 6 1/2
TYPE THREAD IF	STANDS NO. 213	PUMP NO. 100	PUMP MANUFACTURER National
TYPE IF	CHARACTER 16"	TYPE N-1300	CHARACTER 16"

WIRE LINE RECORD	WELL NO.	WT. LBS.	NO. LINES	WT. LBS.
SIZE 1 1/2	10	10	10	
WT. OUT	WT. IN	WT. LBS.	WT. LBS.	WT. LBS.
TOH IN OR TRIPS SINCE LAST CUT	TOH IN OR TRIPS	TOH IN OR TRIPS	TOH IN OR TRIPS	TOH IN OR TRIPS

DRILLING CREW PAYROLL DATA
DATE 12-12-85
WELL NAME & NO. Kennecott State 2-14
COMPANY Bechtel & D.O.F.
TOOL PUSHER Richard N. ...
RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1. PROUD AND YEAR DOWN	1	SS	RA 19	TIME 4:00 7:00 2:00
2. DRILL ACTUAL	3	12 1/2	12 1/2	WEIGHT 12 1/2 8.9
3. REWARD	3	9"	9"	WEIGHT 9" 3.6
4. CONING	1	10"	10"	WEIGHT 10" 7.7
5. CONDITION REP. & CALCULATE	3	10"	10"	WEIGHT 10" 7.7
6. TYPPI	2	10"	10"	WEIGHT 10" 7.7
7. LUBRICATE REP.	1	10"	10"	WEIGHT 10" 7.7
8. PREPARE REP.	18	HW	HW	WEIGHT 18 1.0
9. BALANCE LINE	SS	BHA	BHA	WEIGHT 572.51
10. DEVIATION SURVEY	SS	BHA	BHA	WEIGHT 813.25
11. HOLE LINE LOSS	2 5 2	SS	SS	WEIGHT 3174.54
12. DRILL COLLAR		SS	SS	WEIGHT 13
13. CELEST		SS	SS	WEIGHT 6000
14. SIGHT UP		SS	SS	WEIGHT 205000
15. FEET B.P.		SS	SS	WEIGHT
16. DRILL TEST		SS	SS	WEIGHT
17. PLUG BACK		SS	SS	WEIGHT
18. BARRELS CELEST		SS	SS	WEIGHT
19. PIPING		SS	SS	WEIGHT
20. HIL WORK		SS	SS	WEIGHT
21. DRILL		SS	SS	WEIGHT
22.		SS	SS	WEIGHT

FOOTAGE	NO. OF	CONV.	FORMATION	ROTARY	WT. OF	PUMP	PUMP NO. 1	PUMP NO. 2	WT. OF
FROM	TO	NO. OF	(SHOW CORE RECOVERY)	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF
6000									

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dahgsh	8
DREWMAN		V. D. Hudson	8
STEWARD		A. Swank	8
FIREMAN		B. Forten	8
FLAMAN		J. Carr	8
FLAMAN		No. Acc.	
TRANEI		No. Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1	12 1/4	12 1/4	4:00 7:00 1:00
2	12 1/4	12 1/4	WEIGHT 12 1/4 8.9
3	9"	9"	WEIGHT 9" 3.6
4	9"	9"	WEIGHT 9" 3.6
5	10"	10"	WEIGHT 10" 7.7
6	10"	10"	WEIGHT 10" 7.7
7	10"	10"	WEIGHT 10" 7.7
8	10"	10"	WEIGHT 10" 7.7
9	10"	10"	WEIGHT 10" 7.7
10	10"	10"	WEIGHT 10" 7.7
11	10"	10"	WEIGHT 10" 7.7
12	10"	10"	WEIGHT 10" 7.7
13	10"	10"	WEIGHT 10" 7.7
14	10"	10"	WEIGHT 10" 7.7
15	10"	10"	WEIGHT 10" 7.7
16	10"	10"	WEIGHT 10" 7.7
17	10"	10"	WEIGHT 10" 7.7
18	10"	10"	WEIGHT 10" 7.7
19	10"	10"	WEIGHT 10" 7.7
20	10"	10"	WEIGHT 10" 7.7
21	10"	10"	WEIGHT 10" 7.7
22	10"	10"	WEIGHT 10" 7.7

FOOTAGE	NO. OF	CONV.	FORMATION	ROTARY	WT. OF	PUMP	PUMP NO. 1	PUMP NO. 2	WT. OF
FROM	TO	NO. OF	(SHOW CORE RECOVERY)	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF
6000									

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. E. Cronan, Jr.	8
DREWMAN		V. D. Hudson	8
STEWARD		H. E. Ries	8
FIREMAN		G. K. Byerly	8
FLAMAN		B. J. Schlachter	8
FLAMAN		No. Acc.	
TRANEI		No. Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1	12 1/4	12 1/4	4:00 7:00 1:00
2	12 1/4	12 1/4	WEIGHT 12 1/4 8.9
3	9"	9"	WEIGHT 9" 3.6
4	9"	9"	WEIGHT 9" 3.6
5	10"	10"	WEIGHT 10" 7.7
6	10"	10"	WEIGHT 10" 7.7
7	10"	10"	WEIGHT 10" 7.7
8	10"	10"	WEIGHT 10" 7.7
9	10"	10"	WEIGHT 10" 7.7
10	10"	10"	WEIGHT 10" 7.7
11	10"	10"	WEIGHT 10" 7.7
12	10"	10"	WEIGHT 10" 7.7
13	10"	10"	WEIGHT 10" 7.7
14	10"	10"	WEIGHT 10" 7.7
15	10"	10"	WEIGHT 10" 7.7
16	10"	10"	WEIGHT 10" 7.7
17	10"	10"	WEIGHT 10" 7.7
18	10"	10"	WEIGHT 10" 7.7
19	10"	10"	WEIGHT 10" 7.7
20	10"	10"	WEIGHT 10" 7.7
21	10"	10"	WEIGHT 10" 7.7
22	10"	10"	WEIGHT 10" 7.7

FOOTAGE	NO. OF	CONV.	FORMATION	ROTARY	WT. OF	PUMP	PUMP NO. 1	PUMP NO. 2	WT. OF
FROM	TO	NO. OF	(SHOW CORE RECOVERY)	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF	WT. OF
6000									

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Hoffman	8
DREWMAN		D. Knutson	8
STEWARD		H. E. Ries	8
FIREMAN		G. K. Byerly	8
FLAMAN		R. Harris	8
FLAMAN		No. Acc.	
TRANEI		No. Acc.	

No. 40605

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: KENNEDY - STATE; WELL NO: 2-14; DATE: 12-14-85

CONTRACTOR: BECHTEL + D.O.S.; SIGNATURE OF OPERATOR'S REPRESENTATIVE: R.W. Rich; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Sulland Nichel

WIRE LINE RECORD: 1 1/2; 10; 1032; 3515; 6000

DRILLING CREW PATROLL DATA: DATE: 12-14-85; WELL NAME & NO: KENNEDY - STATE 2-14; COMPANY: BECHTEL + D.O.S.

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like 'DRILL UP AND TEST SOOM'.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes data for 6000 feet of footage and details of operations in sequence and remarks.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Lists crew members: DAVID MATHIS, D. VANTASSEL, BRUCE HENRY, TOMY STEWALL, ARMANDO RODRIGUEZ.

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like 'FLUID BACK'.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes data for 6000 feet of footage and details of operations in sequence and remarks.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Lists crew members: W.F. Cronan, Jr., H.E. Ries, G.K. Byrd, B.J. Schlachter.

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like 'TOTAL BIT SOOM'.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes data for 6000 feet of footage and details of operations in sequence and remarks.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Lists crew members: R.H. Freeman, D. Vantassel, C. Cantrell, E.F. Hoff, H. Hodels.



IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 40605

No. 40608

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT - STATE WELL NO 2-14 DATE 12-17-85

OPERATOR DECHITEL & D.O.E. CONTRACTOR CLEVELAND DRILLING CO.

S.P. SIZE 5" WT. 17.5 GRADE E TOOL 6 1/4 TYPE I.F. STRING 213

TABLE WITH 12 COLUMNS: SIZE, NAME, WT. & GR., NO. JOINTS, FEET, etc. Includes data for 20, 13 1/2, and 7 3/4 inch sizes.

DRILLING CREW PAYROLL DATA DATE 12-17-85 WELL NAME & NO. KENNECOTT STATE 2-14

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD.

FOOTAGE // TABLE with columns for FROM, TO, FORMATION, and DEVIATION RECORD.

MORNING TOUR 12:00 P.M. 2:00 TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD.

FOOTAGE // TABLE (continued) with columns for FROM, TO, FORMATION, and DEVIATION RECORD.

EVENING TOUR 8:00 A.M. 4:00 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD.

FOOTAGE // TABLE (continued) with columns for FROM, TO, FORMATION, and DEVIATION RECORD.

EVENING TOUR 4:00 P.M. 12:00 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS.

No. 40607

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: KENNECOTT-STATE; WELL NO: 2-14; API WELL NUMBER: ; DATE: 12-16-85

BECHTEL + D.O.E. SIGNATURE OF OPERATOR'S REPRESENTATIVE; CLEVELAND DRILLING CO. SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD NO: SALTON 668; COUNTY: IMPERIAL; STATE: CALIF; WIRE LINE RECORD: 10 FT. KIPPER

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD.

FOOTAGE table with columns for FROM, TO, DEPTH, and DEVIATION RECORD.

DRILLING CREW PAYROLL DATA: DATE 12-16-85; WELL NAME & NO. KENNECOTT-STATE #2-14

DRILLING CREW PAYROLL DATA table listing CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MID RECORD.

FOOTAGE table with columns for FROM, TO, DEPTH, and DEVIATION RECORD.

DRILLING CREW PAYROLL DATA table listing CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MID RECORD.

FOOTAGE table with columns for FROM, TO, DEPTH, and DEVIATION RECORD.

DRILLING CREW PAYROLL DATA table listing CREW, SOC. SEC. NO., NAME, and HRS.

No. 40609

DAILY DRILLING REPORT REPORT NO.

STATE: KEENECCOTT - STATE WELL NO.: 2-14 API WELL NUMBER: 12-18-85 DATE: 12-18-85

OPERATOR: BECHTEL & DORR CONTRACTOR: CLEVELAND DRILLING CO

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

S.P. SIZE: 5" WT./FT.: 17.5 GRADE: E TOOL JOINT: 6 TYPE: 1E THREAD: 213 STRING NO.: 1 PUMP NO.: 2 PUMP MANUFACTURER: NATIONAL TYPE: N-1300 SERIAL: 14

LAST CORING: None WIRE LINE RECORD: None

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	WIRE TO COL. NO.	SET AT
20	K-55	74	25	28'	1032	
13 7/8	N-80	71	82		2515	
7 3/4	C-15	47	137		6000	

DRILLING CREW PAYROLL DATA

DATE: 12-18-85

WELL NAME & NO.: KEENECCOTT - STATE #2-14

COMPANY: BECHTEL & DORR

TOOL PUSHER: [Signature]

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1. RIG UP AND TEST RUN	1	100	12 4 8	
2. RIG DOWN	1	34.34	8.7 8.7	
3. RIG UP	12	34.34	3.4 3.4	
4. CORING	5	9.55	0.7 0.7	
5. CORING	2	4.82	1.7 1.7	
6. CORING	14	482.44	6.2 6.2	
7. CORING	54	891.75	11 11	
8. CORING	14	482.44	6.2 6.2	
9. CORING	54	891.75	11 11	
10. CORING	14	482.44	6.2 6.2	
11. CORING	54	891.75	11 11	
12. CORING	14	482.44	6.2 6.2	
13. CORING	54	891.75	11 11	
14. CORING	14	482.44	6.2 6.2	
15. CORING	54	891.75	11 11	
16. CORING	14	482.44	6.2 6.2	
17. CORING	54	891.75	11 11	
18. CORING	14	482.44	6.2 6.2	
19. CORING	54	891.75	11 11	
20. CORING	14	482.44	6.2 6.2	
21. CORING	54	891.75	11 11	
22. CORING	14	482.44	6.2 6.2	
23. CORING	54	891.75	11 11	
24. CORING	14	482.44	6.2 6.2	
25. CORING	54	891.75	11 11	
26. CORING	14	482.44	6.2 6.2	
27. CORING	54	891.75	11 11	
28. CORING	14	482.44	6.2 6.2	
29. CORING	54	891.75	11 11	
30. CORING	14	482.44	6.2 6.2	
31. CORING	54	891.75	11 11	
32. CORING	14	482.44	6.2 6.2	
33. CORING	54	891.75	11 11	
34. CORING	14	482.44	6.2 6.2	
35. CORING	54	891.75	11 11	
36. CORING	14	482.44	6.2 6.2	
37. CORING	54	891.75	11 11	
38. CORING	14	482.44	6.2 6.2	
39. CORING	54	891.75	11 11	
40. CORING	14	482.44	6.2 6.2	
41. CORING	54	891.75	11 11	
42. CORING	14	482.44	6.2 6.2	
43. CORING	54	891.75	11 11	
44. CORING	14	482.44	6.2 6.2	
45. CORING	54	891.75	11 11	
46. CORING	14	482.44	6.2 6.2	
47. CORING	54	891.75	11 11	
48. CORING	14	482.44	6.2 6.2	
49. CORING	54	891.75	11 11	
50. CORING	14	482.44	6.2 6.2	
51. CORING	54	891.75	11 11	
52. CORING	14	482.44	6.2 6.2	
53. CORING	54	891.75	11 11	
54. CORING	14	482.44	6.2 6.2	
55. CORING	54	891.75	11 11	
56. CORING	14	482.44	6.2 6.2	
57. CORING	54	891.75	11 11	
58. CORING	14	482.44	6.2 6.2	
59. CORING	54	891.75	11 11	
60. CORING	14	482.44	6.2 6.2	
61. CORING	54	891.75	11 11	
62. CORING	14	482.44	6.2 6.2	
63. CORING	54	891.75	11 11	
64. CORING	14	482.44	6.2 6.2	
65. CORING	54	891.75	11 11	
66. CORING	14	482.44	6.2 6.2	
67. CORING	54	891.75	11 11	
68. CORING	14	482.44	6.2 6.2	
69. CORING	54	891.75	11 11	
70. CORING	14	482.44	6.2 6.2	
71. CORING	54	891.75	11 11	
72. CORING	14	482.44	6.2 6.2	
73. CORING	54	891.75	11 11	
74. CORING	14	482.44	6.2 6.2	
75. CORING	54	891.75	11 11	
76. CORING	14	482.44	6.2 6.2	
77. CORING	54	891.75	11 11	
78. CORING	14	482.44	6.2 6.2	
79. CORING	54	891.75	11 11	
80. CORING	14	482.44	6.2 6.2	
81. CORING	54	891.75	11 11	
82. CORING	14	482.44	6.2 6.2	
83. CORING	54	891.75	11 11	
84. CORING	14	482.44	6.2 6.2	
85. CORING	54	891.75	11 11	
86. CORING	14	482.44	6.2 6.2	
87. CORING	54	891.75	11 11	
88. CORING	14	482.44	6.2 6.2	
89. CORING	54	891.75	11 11	
90. CORING	14	482.44	6.2 6.2	
91. CORING	54	891.75	11 11	
92. CORING	14	482.44	6.2 6.2	
93. CORING	54	891.75	11 11	
94. CORING	14	482.44	6.2 6.2	
95. CORING	54	891.75	11 11	
96. CORING	14	482.44	6.2 6.2	
97. CORING	54	891.75	11 11	
98. CORING	14	482.44	6.2 6.2	
99. CORING	54	891.75	11 11	
100. CORING	14	482.44	6.2 6.2	

FOOTAGE	FORMATION	ROTARY	WT. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	WELL LOG
6036	CLAYSTONE	60	30	100	6"	7" 46"	5
6043	CLAYSTONE	60	30	100	6"	7" 46"	5

FISH - CORE HEAD - CORE BBL - 10' - 10' 2" = 340.33 TOP OF FISH @ 5703'

DEVIATION RECORD

TIME LOG	FLAPPER TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12	1	1	4 CORE
1	2	1	4 "
2	3	1	4 "
3	4	1	4 "
4	5	1	4 " BARREL JAMMED, PICK UP, LOST 24,000" FULL LOG 62"
5	6	1	6 P.O.H. DEPTH: 600-6043
6	7	1	6 " (RECOVERED DR. HOLE 202') (TOP OF FISH @ 5703')
7	8	11	11 RIG BOND LOG

MORNING TOUR: 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MANNING	8
DRAWER		LEWIS WALKER	8
ATTENDANT		BRUCE HENDERSON	8
FIREMAN		ROBERT GALL	8
FIREMAN		ARMANDO SANCHEZ	8
FIREMAN			
INCH			

NO ACC.

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	100	12 4 8	
2	34.34	8.7 8.7	
3	34.34	3.4 3.4	
4	9.55	0.7 0.7	
5	4.82	1.7 1.7	
6	482.44	6.2 6.2	
7	891.75	11 11	
8	482.44	6.2 6.2	
9	891.75	11 11	
10	482.44	6.2 6.2	
11	891.75	11 11	
12	482.44	6.2 6.2	
13	891.75	11 11	
14	482.44	6.2 6.2	
15	891.75	11 11	
16	482.44	6.2 6.2	
17	891.75	11 11	
18	482.44	6.2 6.2	
19	891.75	11 11	
20	482.44	6.2 6.2	
21	891.75	11 11	
22	482.44	6.2 6.2	
23	891.75	11 11	
24	482.44	6.2 6.2	
25	891.75	11 11	
26	482.44	6.2 6.2	
27	891.75	11 11	
28	482.44	6.2 6.2	
29	891.75	11 11	
30	482.44	6.2 6.2	
31	891.75	11 11	
32	482.44	6.2 6.2	
33	891.75	11 11	
34	482.44	6.2 6.2	
35	891.75	11 11	
36	482.44	6.2 6.2	
37	891.75	11 11	
38	482.44	6.2 6.2	
39	891.75	11 11	
40	482.44	6.2 6.2	
41	891.75	11 11	
42	482.44	6.2 6.2	
43	891.75	11 11	
44	482.44	6.2 6.2	
45	891.75	11 11	
46	482.44	6.2 6.2	
47	891.75	11 11	
48	482.44	6.2 6.2	
49	891.75	11 11	
50	482.44	6.2 6.2	
51	891.75	11 11	
52	482.44	6.2 6.2	
53	891.75	11 11	
54	482.44	6.2 6.2	
55	891.75	11 11	
56	482.44	6.2 6.2	
57	891.75	11 11	
58	482.44	6.2 6.2	
59	891.75	11 11	
60	482.44	6.2 6.2	
61	891.75	11 11	
62	482.44	6.2 6.2	
63	891.75	11 11	
64	482.44	6.2 6.2	
65	891.75	11 11	
66	482.44	6.2 6.2	
67	891.75	11 11	
68	482.44	6.2 6.2	
69	891.75	11 11	
70	482.44	6.2 6.2	
71	891.75	11 11	
72	482.44	6.2 6.2	
73	891.75	11 11	
74	482.44	6.2 6.2	
75	891.75	11 11	
76	482.44	6.2 6.2	
77	891.75	11 11	
78	482.44	6.2 6.2	
79	891.75	11 11	
80	482.44	6.2 6.2	
81	891.75	11 11	
82	482.44	6.2 6.2	
83	891.75	11 11	
84	482.44	6.2 6.2	
85	891.75	11 11	
86	482.44	6.2 6.2	
87	891.75	11 11	
88	482.44	6.2 6.2	
89	891.75	11 11	
90	482.44	6.2 6.2	
91	891.75	11 11	
92	482.44	6.2 6.2	
93	891.75	11 11	
94	482.44	6.2 6.2	
95	891.75	11 11	
96	482.44	6.2 6.2	
97	891.75	11 11	
98	482.44	6.2 6.2	
99	891.75	11 11	
100	482.44	6.2 6.2	

FOOTAGE	FORMATION	ROTARY	WT. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	WELL LOG
6043	CLAYSTONE	60	30	100	6"	7" 46"	5

DEVIATION RECORD

TIME LOG	FLAPPER TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
8:00	9:00		

No. 40610

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT - STATE	WELL NO. 2-14	API WELL NUMBER	DATE 12-19-85
OPERATOR BECHTEL L. DOE	CONTRACTOR CLEVELAND DRILLING CO.		WIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>A. W. Clark</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>J. M. Gardner</i>	
S.P. HSE 5"	WT. PT. 19.5	GRADE E	TOOL JOINT 6 1/2
TYPE THREAD L.E.	STRING NO. 213	PUMP NO. 1	PUMP MANUFACTURER NATIONAL
		TYPE N-1320	SIZE 16"

FIELD	COUNTY	STATE	WELL LINE RECORD
SALTON SEA	IMPERIAL	CALIF.	SEE PAGE 1/3
WELL NO.	DATE	DEPTH	DEPTH
20	12-19-85	75	20'
13 1/2	N-80	72	"
97	C-95	177	"

DRILLING CREW PATROLL DATA
DATE 12-19-85
WELL NAME & NO. KENNECOTT - STATE 2-14
COMPANY BECHTEL L. DOE
TOOL PUSHER J. M. Gardner

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1. DRILLING	1	BIT B/A	75 FT	BIT NO. 19
2. CONNECTIONS	1	DRILLING	20.54	SIZE 8 1/2
3. BREAKING	1	DRILLING	78.71	WT. 360
4. OTHER	1	DRILLING	272.51	PRESTRESS 8.2
5. TOTAL	4	DRILLING	376.76	W.C. SEC. 35
6. TOTAL	4	DRILLING	376.76	PUMP/PP 34
7. TOTAL	4	DRILLING	376.76	GRA. 7
8. TOTAL	4	DRILLING	376.76	CL. 7
9. TOTAL	4	DRILLING	376.76	W. SEC. 7
10. TOTAL	4	DRILLING	376.76	W. SEC. 7
11. TOTAL	4	DRILLING	376.76	W. SEC. 7
12. TOTAL	4	DRILLING	376.76	W. SEC. 7
13. TOTAL	4	DRILLING	376.76	W. SEC. 7
14. TOTAL	4	DRILLING	376.76	W. SEC. 7
15. TOTAL	4	DRILLING	376.76	W. SEC. 7
16. TOTAL	4	DRILLING	376.76	W. SEC. 7
17. TOTAL	4	DRILLING	376.76	W. SEC. 7
18. TOTAL	4	DRILLING	376.76	W. SEC. 7
19. TOTAL	4	DRILLING	376.76	W. SEC. 7
20. TOTAL	4	DRILLING	376.76	W. SEC. 7
21. TOTAL	4	DRILLING	376.76	W. SEC. 7
22. TOTAL	4	DRILLING	376.76	W. SEC. 7
23. TOTAL	4	DRILLING	376.76	W. SEC. 7
24. TOTAL	4	DRILLING	376.76	W. SEC. 7
25. TOTAL	4	DRILLING	376.76	W. SEC. 7
26. TOTAL	4	DRILLING	376.76	W. SEC. 7
27. TOTAL	4	DRILLING	376.76	W. SEC. 7
28. TOTAL	4	DRILLING	376.76	W. SEC. 7
29. TOTAL	4	DRILLING	376.76	W. SEC. 7
30. TOTAL	4	DRILLING	376.76	W. SEC. 7
31. TOTAL	4	DRILLING	376.76	W. SEC. 7
32. TOTAL	4	DRILLING	376.76	W. SEC. 7
33. TOTAL	4	DRILLING	376.76	W. SEC. 7
34. TOTAL	4	DRILLING	376.76	W. SEC. 7
35. TOTAL	4	DRILLING	376.76	W. SEC. 7
36. TOTAL	4	DRILLING	376.76	W. SEC. 7
37. TOTAL	4	DRILLING	376.76	W. SEC. 7
38. TOTAL	4	DRILLING	376.76	W. SEC. 7
39. TOTAL	4	DRILLING	376.76	W. SEC. 7
40. TOTAL	4	DRILLING	376.76	W. SEC. 7
41. TOTAL	4	DRILLING	376.76	W. SEC. 7
42. TOTAL	4	DRILLING	376.76	W. SEC. 7
43. TOTAL	4	DRILLING	376.76	W. SEC. 7
44. TOTAL	4	DRILLING	376.76	W. SEC. 7
45. TOTAL	4	DRILLING	376.76	W. SEC. 7
46. TOTAL	4	DRILLING	376.76	W. SEC. 7
47. TOTAL	4	DRILLING	376.76	W. SEC. 7
48. TOTAL	4	DRILLING	376.76	W. SEC. 7
49. TOTAL	4	DRILLING	376.76	W. SEC. 7
50. TOTAL	4	DRILLING	376.76	W. SEC. 7

FOOTAGE	NO. OF CORRS.	FORMATION	WELL NO.	DATE	DEPTH	DEPTH
6043	0					
BIT-DYADRILL - MKK SUB-MC - 9DC - 14 HW - 8 BID 40						
1	1	DRILL DOWN FISHING TOOLS, P.O.H.				
2	1	SERVICE CORL BAKREL, COPE JAMMED, LAY DO BAKREL (1908 Rec. 17)				
3	1	BREAK STABS OFF M.C., MAKE UP L.D. ASST.				
4	1	INSPECT DC.				
5	1	HANDLE HW, R.H.				
6	1	R.H.				
7	1	BRK. CIR. CIRC TO COOL MUD				
8	1					

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MASLINS	8
DRILLMAN		DAVID TRUMERICH	8
DRILLMAN		ERIK HANSEN	8
DRILLMAN		KIM SUGALL	8
DRILLMAN		ARTURO S. BRANZ	8
DRILLMAN		DAVID TRUMERICH	8
DRILLMAN		VINCE S. LONGER	8

NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1	BIT B/A	20.71	BIT NO. 19
2	DRILLING	78.71	SIZE 8 1/2
3	DRILLING	272.51	WT. 360
4	DRILLING	376.76	PRESTRESS 8.2
5	DRILLING	376.76	W.C. SEC. 35
6	DRILLING	376.76	PUMP/PP 34
7	DRILLING	376.76	GRA. 7
8	DRILLING	376.76	CL. 7
9	DRILLING	376.76	W. SEC. 7
10	DRILLING	376.76	W. SEC. 7
11	DRILLING	376.76	W. SEC. 7
12	DRILLING	376.76	W. SEC. 7
13	DRILLING	376.76	W. SEC. 7
14	DRILLING	376.76	W. SEC. 7
15	DRILLING	376.76	W. SEC. 7
16	DRILLING	376.76	W. SEC. 7
17	DRILLING	376.76	W. SEC. 7
18	DRILLING	376.76	W. SEC. 7
19	DRILLING	376.76	W. SEC. 7
20	DRILLING	376.76	W. SEC. 7
21	DRILLING	376.76	W. SEC. 7
22	DRILLING	376.76	W. SEC. 7
23	DRILLING	376.76	W. SEC. 7
24	DRILLING	376.76	W. SEC. 7
25	DRILLING	376.76	W. SEC. 7
26	DRILLING	376.76	W. SEC. 7
27	DRILLING	376.76	W. SEC. 7
28	DRILLING	376.76	W. SEC. 7
29	DRILLING	376.76	W. SEC. 7
30	DRILLING	376.76	W. SEC. 7
31	DRILLING	376.76	W. SEC. 7
32	DRILLING	376.76	W. SEC. 7
33	DRILLING	376.76	W. SEC. 7
34	DRILLING	376.76	W. SEC. 7
35	DRILLING	376.76	W. SEC. 7
36	DRILLING	376.76	W. SEC. 7
37	DRILLING	376.76	W. SEC. 7
38	DRILLING	376.76	W. SEC. 7
39	DRILLING	376.76	W. SEC. 7
40	DRILLING	376.76	W. SEC. 7
41	DRILLING	376.76	W. SEC. 7
42	DRILLING	376.76	W. SEC. 7
43	DRILLING	376.76	W. SEC. 7
44	DRILLING	376.76	W. SEC. 7
45	DRILLING	376.76	W. SEC. 7
46	DRILLING	376.76	W. SEC. 7
47	DRILLING	376.76	W. SEC. 7
48	DRILLING	376.76	W. SEC. 7
49	DRILLING	376.76	W. SEC. 7
50	DRILLING	376.76	W. SEC. 7

FOOTAGE	NO. OF CORRS.	FORMATION	WELL NO.	DATE	DEPTH	DEPTH
6043	0	Sandstone & Siltstone				
DRILLER David Miller						
8	1	DRILL DOWN FISHING TOOLS, P.O.H.				
9	1	SERVICE CORL BAKREL, COPE JAMMED, LAY DO BAKREL (1908 Rec. 17)				
10	1	BREAK STABS OFF M.C., MAKE UP L.D. ASST.				
11	1	INSPECT DC.				
12	1	HANDLE HW, R.H.				
13	1	R.H.				
14	1	BRK. CIR. CIRC TO COOL MUD				
15	1					
16	1					
17	1					
18	1					
19	1					
20	1					
21	1					
22	1					
23	1					
24	1					
25	1					
26	1					
27	1					
28	1					
29	1					
30	1					
31	1					
32	1					
33	1					
34	1					
35	1					
36	1					
37	1					
38	1					
39	1					
40	1					
41	1					
42	1					
43	1					
44	1					
45	1					
46	1					
47	1					
48	1					
49	1					
50	1					

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DA. Herman	8
DRILLMAN		D. Vantrassel	8
DRILLMAN		C. Cantel	8
DRILLMAN		E. E. Hoff	8
DRILLMAN		R. Harris	8
DRILLMAN		No Acc.	8

NO.	DRILLING ASSEMBLY	BIT RECORD	MJD RECORD
1	BIT B/A	20.71	BIT NO. 20
2	DRILLING	78.71	SIZE 8 1/2
3	DRILLING	272.51	WT. 360
4	DRILLING	376.76	PRESTRESS 8.2
5	DRILLING	376.76	W.C. SEC. 35
6	DRILLING	376.76	PUMP/PP 34
7	DRILLING	376.76	GRA. 7
8	DRILLING	376.76	CL. 7
9	DRILLING	376.76	W. SEC. 7
10	DRILLING	376.76	W. SEC. 7
11	DRILLING	376.76	W. SEC. 7
12	DRILLING	376.76	W. SEC. 7
13	DRILLING	376.76	W. SEC. 7
14	DRILLING	376.76	W. SEC. 7
15	DRILLING	376.76	W. SEC. 7
16	DRILLING	376.76	W. SEC. 7
17	DRILLING	376.76	W. SEC. 7
18	DRILLING	376.76	W. SEC. 7
19	DRILLING	376.76	W. SEC. 7
20	DRILLING	376.76	W. SEC. 7
21	DRILLING	376.76	W. SEC. 7
22	DRILLING	376.76	W. SEC. 7
23	DRILLING	376.76	W. SEC. 7
24	DRILLING	376.76	W. SEC. 7
25	DRILLING	376.76	W. SEC. 7
26	DRILLING	376.76	W. SEC. 7
27	DRILLING	376.76	W. SEC. 7
28	DRILLING	376.76	W. SEC. 7
29	DRILLING	376.76	W. SEC. 7
30	DRILLING	376.76	W. SEC. 7
31	DRILLING	376.76	W. SEC. 7
32	DRILLING	376.76	W. SEC. 7
33	DRILLING	376.76	W. SEC. 7
34	DRILLING	376.76	W. SEC. 7
35	DRILLING	376.76	W. SEC. 7
36	DRILLING	376.76	W. SEC. 7
37	DRILLING	376.76	W. SEC. 7
38	DRILLING	376.76	W. SEC. 7
39	DRILLING	376.76	W. SEC. 7
40	DRILLING	376.76	W. SEC. 7
41	DRILLING	376.76	W. SEC. 7
42	DRILLING	376.76	W. SEC. 7
43	DRILLING	376.76	W. SEC. 7
44	DRILLING	376.76	W. SEC. 7
45	DRILLING	376.76	W. SEC. 7
46	DRILLING	376.76	W. SEC. 7
47	DRILLING	376.76	W. SEC. 7
48	DRILLING	376.76	W. SEC. 7
49	DRILLING	376.76	W. SEC. 7

No. 40611

DAILY DRILLING REPORT REPORT NO.

LEASE KEANE GOTT - STATE WELL NO. 2-14 API WELL NUMBER DATE 12-20-85 OPERATOR DECHTEL + O.G.S. CONTRACTOR CLEVELAND DRILLING CO. SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD NO. SALTON SEA COUNTY IMPERIAL STATE CALIF. SIRE LINE RECORD REEL NO. BIT 1 3/8 LGS LINS 10 FT. SLIPPED

DRILLING CREW PAYROLL DATA DATE 12-20-85 WELL NAME & NO. KEANE GOTT - STATE #2-14 COMPANY DECHTEL + O.G.S. TOOL PUSHER M. Dardner RIG NO. 6

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD. Includes rows for 1. TO PUMP AND 2. DRILL ACTING.

FOOTAGE 23' TABLE with columns for FROM, TO, O.D., I.D., CORR. NO., and FORMATION. Includes rows for 6056-6079 D - CLAYSTONE - SILTSTONE.

MORNING TOUR 12:00 P.M. 5:00 A.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS. Includes names like DAVID MATHIS and DAVID TRE VARTHEM.

NO. DRILLING ASSEMBLY BIT RECORD MID RECORD TABLE with columns for NO., BIT NO., TIME, WEIGHT, PRESSURE GRADIENT, etc. Includes rows for 1. BIT 8 1/2 and 2. R.O.D.

FOOTAGE 33' TABLE with columns for FROM, TO, O.D., I.D., CORR. NO., and FORMATION. Includes rows for 6079-6112 D - Claystone & Siltstone.

DAY TOUR 8 A.M. 5 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS. Includes names like R.A. Herman and D. Van Tol.

NO. DRILLING ASSEMBLY BIT RECORD MID RECORD TABLE with columns for NO., BIT NO., TIME, WEIGHT, PRESSURE GRADIENT, etc. Includes rows for 1. BIT 8 1/2 and 2. R.O.D.

FOOTAGE 6112' TABLE with columns for FROM, TO, O.D., I.D., CORR. NO., and FORMATION. Includes rows for 6112 - 6112 D - Claystone & Siltstone.

EVENING TOUR 4:00 P.M. 12:00 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS. Includes names like R. Dabarsch and R. D. Hudson.

No. 40612

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: Kennecott State, WELL NO.: 2-14, API WELL NUMBER: 12-21-85, DATE: 12-21-85

SIGNATURE OF OPERATOR'S REPRESENTATIVE: R. W. Criswell, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. M. Hardman, CONTRACTOR: Cleveland

FIELD OR OFFICE: 30th St. Sec., COUNTY: Imperial, STATE: Calif., WIRE LINE RECORD: 10, 1052, 3095, 6000

DRILLING CREW PAYROLL DATA: DATE: 12-21-85, WELL NAME & NO.: Kennecott State 2-14, COMPANY: Bechtel DOE, TOOL PUSHER: M. M. Hardman, RIG NO.: 6

TIME DISTRIBUTION - HOURS table with columns for WORK, DAY, EYE, and various operational tasks.

FOOTAGE 72 table with columns for FROM, TO, SIZE, MAKE, WT. & DR., and FORMATION (Siltstone).

MORNING TOUR 12:00 P.M. 8:00 A.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MUD RECORD.

FOOTAGE 22 table with columns for FROM, TO, SIZE, MAKE, WT. & DR., and FORMATION (Siltstone).

DAY TOUR 5 A.M. 4 P.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MUD RECORD.

FOOTAGE 17 table with columns for FROM, TO, SIZE, MAKE, WT. & DR., and FORMATION (Siltstone).

EVENING TOUR 4:00 P.M. 12:00 P.M. table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

No. 40613

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, API WELL NUMBER: 12-22-85, OPERATOR: Bechtel/Dos, CONTRACTOR: Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature], SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

PIES OR CUT: Soften Seg, IMPERIAL, STATE: Calif, BORE HOLE RECORD: 10 FT. BLIPPED, FORMATION: Claystone & Shale, ROTARY RPM: 5, PUMP NO. 1: 6, PUMP NO. 2: 42, 7, 42

DRILLING CREW PAYROLL DATA: DATE: 12-22-85, WELL NAME & NO: Kennecott State 2-14, COMPANY: Bechtel, TOOL PUSHER: [Signature], RIG NO.: 6

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: FOOTAGE, FORMATION, ROTARY RPM, PUMP NO. 1, PUMP NO. 2. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes names: W.E. Cronon Jr., F.C. Singleten, H.E. Ries, G.K. Byerly, B.J. Schlachter, L.J. McCarty.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: FOOTAGE, FORMATION, ROTARY RPM, PUMP NO. 1, PUMP NO. 2. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes names: R.A. Heeman, D. Kankassel, C. Canter, E.E. Hoff, R. Hardie.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: FOOTAGE, FORMATION, ROTARY RPM, PUMP NO. 1, PUMP NO. 2. Includes data for 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes names: R. Dabosh, V.D. Hudson, R. Swank, B. Farina, J. Gore.

No. 40614

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, API WELL NUMBER: 12-23-85, DATE: 12-23-85

OPERATOR: Bechtel Doe, CONTRACTOR: Cleveland, FIELD OFFICE: Salton Sea, COUNTY: Imperial, STATE: Calif

SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. Birch, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Gardner

WELL LOG: 5 175 E 6 1/4 4 1/2 I 213, 3 175 E 6 1/4 4 1/2 I 123

PUMP NO: 1, PUMP MANUFACTURER: National, TYPE: N1300, LENGTH: 16

WEL	NAME	PI. & DR.	NO. JOBS	POST	RES. TO CON. NO.	NET AT	WIRE LINE RECORD	WEL. NO.
20	A-55	99	25			1032	1 3/4	10
13 3/4	N80	22	82			3515		
9 3/4	C95	47	137			6000		

DRILLING CREW PAYROLL DATA

DATE: 12-23-85

WELL NAME & NO: Kennecott State 2-14

COMPANY: Bechtel Doe

TOOL PUSHER: M. Gardner, RIG NO: 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. BIT AND TEAM DOWN		75	AB 24	TIME: 12:00 4:00 2:00
2. DRILLING	1	371	SEC	8.6
3. CONNECTIONS	1 1/2	2725	17 1/2	37
4. TRIPS	1	3198	18 1/2	7
5. LUBRICATE RIG	1	168	6227	
6. STAND BY	16	4826		
7. SHUT DOWN	5	727		
8. CLEAN UP	1	5408		
9. TOTAL	34	6227		
10. TOTAL	34	194,000		

FOOTAGE	FORMATION	REL. W. OF BIT	W. OF CUT OFF	PUMP NO. 1	PUMP NO. 2	W. OF CUT OFF
6227		100%	1300	6	7	40
6160	6227 R	100%	1300	6	7	40

Bit - Std - month 90c - 10 - 16 Hw - 2000 792-79

DEVIATION RECORD

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Accok Comok Fuel 33

12 1 1 6 Pullout on 1/2 std

1 2 1 6 "

2 2 1 6 work on Low Down Turbo Drill

3 4 1 6 Make up 5 1/2 + Bit. Run in Fill Pipe

4 5 1 6 Run in Fill Pipe

5 6 1 3 Room #1 6166

6 7 1/2 3 5 1/2 Room #1 6227 1/2 Circ

7 8 1 5 Circ

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronon, JR.	8
DRAWER		F.C. Simpton	8
MUDMAN		H.E. Rios	8
FIREMAN		G.M. Byerly	8
FLANMAN		B.J. Schluchter	8

NO. OF DAYS: 12:00 P.M. 8:00 A.M.

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	24	17 1/2	
2	24	17 1/2	

FOOTAGE	FORMATION	REL. W. OF BIT	W. OF CUT OFF	PUMP NO. 1	PUMP NO. 2	W. OF CUT OFF
6227						

DEVIATION RECORD

6183 1/2 sec

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: Change Over to water

8 9 1/2 10 21 Change Over to water

9 10 1 21 Change Over to water

10 11 1/2 21 6

11 12 1 6

12 1 1/2 5 1/2

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.A. Heerman	8
DRAWER		D. Cantassi	8
MUDMAN		C. Cantassi	8
FIREMAN		E.F. Hoff	8
FLANMAN		R. Harris	8

NO. OF DAYS: 8 A.M. P.M.

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	24	17 1/2	
2	24	17 1/2	

FOOTAGE	FORMATION	REL. W. OF BIT	W. OF CUT OFF	PUMP NO. 1	PUMP NO. 2	W. OF CUT OFF
6227						

DEVIATION RECORD

7 3 1 14

5 6 1 14

6 7 1 14

7 8 1 14

8 9 1 14

9 10 1 14

10 11 1 14

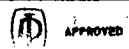
11 12 1 14

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: NIPPLE UP. FLOW TEST

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. DANESH	8
DRAWER		V.D. HUDSON	8
MUDMAN		R. SWANK	8
FIREMAN		B. FORTIN	8
FLANMAN		J. CARR	8

NO. OF DAYS: P.M. P.M.

PRINTED IN U.S.A.



IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 40614

No. 40615

DAILY DRILLING REPORT REPORT NO.

WELL NAME Kennecott State	WELL NO. 2-14	API WELL NUMBER	DATE 12-24-85
OPERATOR Bechtel DoG		CONTRACTOR Cleveland	RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>	
W.P. SIZE 5	WT./FT. 195	GRADE E	TOOL JOI D.D. 6 1/4
W.P. SIZE 5	WT./FT. 195	GRADE G	TOOL JOI D.D. 6 1/4
TYPE THREAD 4 1/2 IF	STRING NO. 213	PUMP NO. 1	PUMP MANUFACTURER N1300
TYPE THREAD 4 1/2 IF	STRING NO. 123	PUMP NO. 2	PUMP MANUFACTURER N1300

WIRE LINE RECORD	REEL NO.	SIZE	WT. & GR.	NO. JOINTS	FEET	EST. TO C.S.C. NO.	EST. AT	SIZE	NO. LINES	PT. RIPPED
		1 3/8	855	94	25		1032		10	
		13 3/8	N80	72	82		3515			
		9 5/8	C95	47	137		6000			

DRILLING CREW PAYROLL DATA
DATE **12-24-85**
WELL NAME & NO. **Kennecott State 2-14**
COMPANY **Bechtel DoG**
TOOL PUSHER **W.M. Gardner** RIG NO. **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (In and of well)	BIT RECORD	MUD RECORD
1. TIME UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. REAMING				
4. CORING				
5. CONNECTIONS & CIRCULATE				
6. TEND				
7. LUBRICATE HOE				
8. REPAIR RIG				
9. B.P. TIME				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS	3			
12. RUN CASING				
13. S. CEMENT				
14. W.C. CEMENT				
15. W.C. CEMENT				
16. TEST B.P.				
17. DRILL STEER TEST				
18. PLUG BACK				
19. BOREHOLE CLEANUP				
20. FINISHING				
21. WIRE WORK				
22. SECURE RIG	1			
23. WATCH RIG	4			
24. TOTAL				

FOOTAGE	DEPT.	DIR.	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6227								
12	1	1	11					
1	2	1	11					
2	3	1	11					
3	4	1	2.1					
4	5	1	2.2					
5	6	1	2.2					
6	7	1	2.2					
7	8	1	2.2					

DEVIATION RECORD

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Acc. ok. CANOK Fuel (Safety meeting)
Run Temp. log
STANDBY SECURE @ 400 AM
WATCHMAN ON RIG

MORNING TOUR **12:00** P.M. **8:00** A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan, JR.	8
DRAWER		F.C. Singleton	8
RTWMAN		H.E. Ries	8
FLRMAN		G.K. Byerly	8
FLRMAN		B.J. Schlachter	8
FLRMAN			
FLRMAN			
TRAINI			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

DAY TOUR **8** A.M. **7** P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		RA. Hermanson	8
DRAWER			
RTWMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
TRAINI			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (In and of well)	BIT RECORD	MUD RECORD
1. TIME UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. REAMING				
4. CORING				
5. CONNECTIONS & CIRCULATE				
6. TEND				
7. LUBRICATE HOE				
8. REPAIR RIG				
9. B.P. TIME				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS				
12. RUN CASING				
13. S. CEMENT				
14. W.C. CEMENT				
15. W.C. CEMENT				
16. TEST B.P.				
17. DRILL STEER TEST				
18. PLUG BACK				
19. BOREHOLE CLEANUP				
20. FINISHING				
21. WIRE WORK				
22. SECURE RIG	1			
23. WATCH RIG	4			
24. TOTAL				

FOOTAGE	DEPT.	DIR.	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6227								
8	9	1	2.2					
9	10	1	2.2					
10	11	1	2.2					
11	12	1	2.2					
12	1	1	2.2					
1	2	1	2.2					
2	3	1	2.2					
3	4	1	2.2					

DEVIATION RECORD

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Watch Rig

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

DAY TOUR **8** A.M. **7** P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		RA. Hermanson	8
DRAWER			
RTWMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
TRAINI			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (In and of well)	BIT RECORD	MUD RECORD
1. TIME UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. REAMING				
4. CORING				
5. CONNECTIONS & CIRCULATE				
6. TEND				
7. LUBRICATE HOE				
8. REPAIR RIG				
9. B.P. TIME				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS				
12. RUN CASING				
13. S. CEMENT				
14. W.C. CEMENT				
15. W.C. CEMENT				
16. TEST B.P.				
17. DRILL STEER TEST				
18. PLUG BACK				
19. BOREHOLE CLEANUP				
20. FINISHING				
21. WIRE WORK				
22. SECURE RIG	1			
23. WATCH RIG	4			
24. TOTAL				

FOOTAGE	DEPT.	DIR.	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6227								
4	5	1	2.2					
5	6	1	2.2					
6	7	1	2.2					
7	8	1	2.2					
8	9	1	2.2					
9	10	1	2.2					
10	11	1	2.2					
11	12	1	2.2					

DEVIATION RECORD

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Watch Rig

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

DAY TOUR **8** A.M. **7** P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		Dave Tomlinson	8
DRAWER			
RTWMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
TRAINI			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT: **7**

No. 40616

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** STATE **2-14** DATE **12-25-85**
 OPERATOR **Bechtel D.O.E.** CONTRACTOR **Cleveland** RIG NO. **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **A.W. Rich** 12-25-85 SIGNATURE OF CONTRACTOR'S TOOL PUSHER **Richard Michel**
 W.P. DEE **19.5** WT. OF **E** GRADE **6 1/2** TYPE **4 1/2** THREAD **2 1/2** STRING NO. **1** PUMP NO. **1** PUMP MANUFACTURER **N 1100** TYPE **16**
5 **19.5** **E** **6 1/2** **4 1/2** **2 1/2** **1** **N 1100** **16**
5 **19.5** **G** **6 1/2** **4 1/2** **2 1/2** **2** **National** **N 1300** **16**

FIELD OR OIL **Salton Sea** COUNTY **Imperial** STATE **Calif**
 WELL NO. **138** NO. LINES **10** FT. SURFES
 PRE. CUT OFF **1032** PRESENT LENGTH
 TOTAL IN OR YEARS SINCE LAST CUT **3515**
 CUMULATIVE TOTAL IN OR YEARS **6000**

DRILLING CREW PAYROLL DATA
 DATE **12-25-85**
 WELL NAME & NO. **Kennecott State 2-14**
 COMPANY **Bechtel D.O.E.**
 TOOL PUSHER **Richard Michel** RIG NO. **6**

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (at end of shift)		BIT RECORD		MUD RECORD	
CODE NO.	OPERATION	HOURS	MIN.	NO.	PT.	BIT NO.	TIME	WEIGHT	GRADIENT
1	DRILLING								
2	TRIP								
3	CONNECTION								
4	MAINTENANCE								
5	OTHER								
TOTAL									

FOOTAGE		NO. OF CONCS.		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.
DEVIATION RECORD		DEPTH		DEY.		DIRECTION		DEPTH		DEY.	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
12	1			Watch Rig							
1	2										
2	3										
3	4										
4	5										
5	6										
6	7										
7	8										

MORNING TOUR 12:00				P.M. 8:00				A.M.	
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.
DRILLER		WE Cronan	8						
DREAM									
MTRMAN									
FIREMAN									
FLRMAN									
TRAMM									

NO. DRILLING ASSEMBLY (at end of shift)				BIT RECORD		MUD RECORD	
NO.	PT.	BIT NO.	TIME	WEIGHT	GRADIENT	NO.	PT.
DEVIATION RECORD				DEPTH		DEY.	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
8	9			Watch Rig			
9	10						
10	11						
11	12						
1	2						
2	3						
3	4						

FOOTAGE		NO. OF CONCS.		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.
DEVIATION RECORD		DEPTH		DEY.		DIRECTION		DEPTH		DEY.	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
8	9			Watch Rig							
9	10										
10	11										
11	12										
1	2										
2	3										
3	4										

DAY TOUR 8 A.M.				P.M. 4				A.M.	
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.
DRILLER		RA. Heaman	8						
DREAM									
MTRMAN									
FIREMAN									
FLRMAN									
TRAMM									

NO. DRILLING ASSEMBLY (at end of shift)				BIT RECORD		MUD RECORD	
NO.	PT.	BIT NO.	TIME	WEIGHT	GRADIENT	NO.	PT.
DEVIATION RECORD				DEPTH		DEY.	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			
4	5		22	Watch Rig			
5	6		22				
6	7		22				
7	8		22				
8	9		22				
9	10		22				
10	11		22				
11	12		22				

FOOTAGE		NO. OF CONCS.		FORMATION (SHOW CORE RECOVERY)		PUMP NO.		PUMP NO.		PUMP NO.	
FROM	TO	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.	NO.	CONC. C.
DEVIATION RECORD		DEPTH		DEY.		DIRECTION		DEPTH		DEY.	
TIME LOG	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
4	5		22	Watch Rig							
5	6		22								
6	7		22								
7	8		22								
8	9		22								
9	10		22								
10	11		22								
11	12		22								

EVENING TOUR 4				P.M. 12				A.M.	
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.
DRILLER		David Teasdale	8						
DREAM									
MTRMAN									
FIREMAN									
FLRMAN									
TRAMM									

No. 40617

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State	WELL NO. 2-14	API WELL NUMBER	DATE 12-26-85
OPERATOR Bechtel Doc		CONTRACTOR Cleveland	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>	
R.P. SIZE 5	WT. LBS. 19.5	GRADE E	TOOL FT. DIA. 7 3/4
			TYPE THREAD 4 1/2 IF
			STRONG NO. 123
			PUMP NO.
			PUMP MANUFACTURER National
			TYPE N1300
			LEASTS 16

FIELD OR DIST. Salton Sea	COUNTRY Imperial	STATE Calif	WIRE LINE RECORD
SIZE 20	NAME K55	WT. & NO. 99 25	REEL NO. 10
		NO. DOWNS	NO. LINES
		FEET 13 1/8	FT. CUT OFF 1032
			PRESENT LENGTH
			TON IN. OR TRIPS SINCE LAST CUT 3515
			CLASS. RATE 6000

DRILLING CREW PAYROLL DATA

DATE **12-26-85**

WELL NAME & NO. **Kennecott State 2-14**

COMPANY **Bechtel Doc**

TOOL PUSHER **W. Howard Miller** RIG NO. **6**

MORNING TOUR **12:00** P.M. **8:00** A.M.

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MJD RECORD	
TIME	OPERATION	WORN	DAY	NO.	FT.	BIT NO.	TIME	WEIGHT	WEIGHT
UP AND TEAR DOWN									
A. DRILL ACTUAL									
B. REAMING									
C. CORING									
D. CONNECTION AND CALCULATE									
E. TRIPS									
F. UNDETECTORS									
G. H. W. BACK									
H. H. W. BACK									
I. H. W. BACK									
J. H. W. BACK									
K. H. W. BACK									
L. H. W. BACK									
M. H. W. BACK									
N. H. W. BACK									
O. H. W. BACK									
P. H. W. BACK									
Q. H. W. BACK									
R. H. W. BACK									
S. H. W. BACK									
T. H. W. BACK									
U. H. W. BACK									
V. H. W. BACK									
W. H. W. BACK									
X. H. W. BACK									
Y. H. W. BACK									
Z. H. W. BACK									

FOOTAGE		NO. OF CORES	FORMATION	ROTARY	BT. ON	PUMP	PUMP	PUMP	W. H. L.
FROM	TO	NO.	(SHOW CORE RECOVERY)	NO.	NO.	NO.	NO.	NO.	NO.
12	1	1							
1	2	2							
2	3	3							
3	4	4							
4	5	5							
5	6	6							
6	7	7							
7	8	8							

DEVIATION RECORD

DEPTH DEVIATION DIRECTION

12 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8

WATCH RIG

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan Jr	8
DRIBMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FRAME			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **8:00** A.M. **4:00** P.M.

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MJD RECORD	
TIME	OPERATION	WORN	DAY	NO.	FT.	BIT NO.	TIME	WEIGHT	WEIGHT
UP AND TEAR DOWN									
A. DRILL ACTUAL									
B. REAMING									
C. CORING									
D. CONNECTION AND CALCULATE									
E. TRIPS									
F. UNDETECTORS									
G. H. W. BACK									
H. H. W. BACK									
I. H. W. BACK									
J. H. W. BACK									
K. H. W. BACK									
L. H. W. BACK									
M. H. W. BACK									
N. H. W. BACK									
O. H. W. BACK									
P. H. W. BACK									
Q. H. W. BACK									
R. H. W. BACK									
S. H. W. BACK									
T. H. W. BACK									
U. H. W. BACK									
V. H. W. BACK									
W. H. W. BACK									
X. H. W. BACK									
Y. H. W. BACK									
Z. H. W. BACK									

FOOTAGE		NO. OF CORES	FORMATION	ROTARY	BT. ON	PUMP	PUMP	PUMP	W. H. L.
FROM	TO	NO.	(SHOW CORE RECOVERY)	NO.	NO.	NO.	NO.	NO.	NO.
8	9	9							
9	10	10							
10	11	11							
11	12	12							
1	2	2							
2	3	3							
3	4	4							

DEVIATION RECORD

DEPTH DEVIATION DIRECTION

8 9 9 10 10 11 11 12 12 1 2 2 3 3 4 4

WATCH RIG

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.J. Fortin	8
DRIBMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FRAME			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **8:00** A.M. **4:00** P.M.

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		MJD RECORD	
TIME	OPERATION	WORN	DAY	NO.	FT.	BIT NO.	TIME	WEIGHT	WEIGHT
UP AND TEAR DOWN									
A. DRILL ACTUAL									
B. REAMING									
C. CORING									
D. CONNECTION AND CALCULATE									
E. TRIPS									
F. UNDETECTORS									
G. H. W. BACK									
H. H. W. BACK									
I. H. W. BACK									
J. H. W. BACK									
K. H. W. BACK									
L. H. W. BACK									
M. H. W. BACK									
N. H. W. BACK									
O. H. W. BACK									
P. H. W. BACK									
Q. H. W. BACK									
R. H. W. BACK									
S. H. W. BACK									
T. H. W. BACK									
U. H. W. BACK									
V. H. W. BACK									
W. H. W. BACK									
X. H. W. BACK									
Y. H. W. BACK									
Z. H. W. BACK									

FOOTAGE		NO. OF CORES	FORMATION	ROTARY	BT. ON	PUMP	PUMP	PUMP	W. H. L.
FROM	TO	NO.	(SHOW CORE RECOVERY)	NO.	NO.	NO.	NO.	NO.	NO.
4	5	1							
5	6	1							
6	7	1							
7	8	1							
8	9	1							
9	10	1							
10	11	1							
11	12	1							

DEVIATION RECORD

DEPTH DEVIATION DIRECTION

4 5 1 22 5 6 1 22 6 7 1 22 7 8 1 22 8 9 1 22 9 10 1 22 10 11 1 22 11 12 1 22

RIG WATCH

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		David Tournant	8
DRIBMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FLRMAN			
FRAME			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **4:00** P.M. **12:00** P.M.

No. 40618

DAILY DRILLING REPORT REPORT NO.

LEASE: **Kennecott State** WELL NO: **2-14** API WELL NUMBER: **12-27-85** DATE: **12-27-85**

OPERATOR: **Bechtel/Doe** CONTRACTOR: **Cleveland** RIG NO.: **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *A.W. Buel* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *William Nickel*

DATE: **12-27-85**

TOOL JOE: **193** GRADE: **E** TOOL: **6/4 1/2** TYPE: **1** PUMP NO.: **2** PUMP MANUFACTURER: **National**

TYPE: **N-1300** PUMP NO.: **16**

TYPE: **G** TOOL: **6/4 1/2** TYPE: **123** PUMP NO.: **2** PUMP MANUFACTURER: **National**

TYPE: **N-1300** PUMP NO.: **16**

SIZE	WIRE	WT. & OIL	NO. JOINTS	FEET	DR. TO	DR. NO.	DR. AT	DR. LINES	REEL NO.	FT. W/REEL
20	K-55	94	25				1032	133	10	
13 3/8	N-80	72	82				3515			
9 5/8	C-95	47	137				6000			

DRILLING CREW PAYROLL DATA

DATE: **12-27-85**

WELL NAME & NO.: **Kennecott State 2-14**

COMPANY: **Bechtel/Doe 1**

TOOL PUSHER: **William Nickel** RIG NO.: **6**

MORNING TOUR: **12:00** P.M.: **8:00** A.M.

NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
1	BIT NO. 112	BIT NO. 112	TIME 11:00
2	BIT NO. 112	BIT NO. 112	TIME 11:00
3	BIT NO. 112	BIT NO. 112	TIME 11:00
4	BIT NO. 112	BIT NO. 112	TIME 11:00
5	BIT NO. 112	BIT NO. 112	TIME 11:00
6	BIT NO. 112	BIT NO. 112	TIME 11:00
7	BIT NO. 112	BIT NO. 112	TIME 11:00
8	BIT NO. 112	BIT NO. 112	TIME 11:00

FOOTAGE	FORMATION	DEVIATION RECORD
FROM 0 TO 12	IMPERIAL	DEPTH 12, DEV. 0, DIRECTION 0
FROM 12 TO 13	IMPERIAL	DEPTH 13, DEV. 0, DIRECTION 0
FROM 13 TO 14	IMPERIAL	DEPTH 14, DEV. 0, DIRECTION 0
FROM 14 TO 15	IMPERIAL	DEPTH 15, DEV. 0, DIRECTION 0
FROM 15 TO 16	IMPERIAL	DEPTH 16, DEV. 0, DIRECTION 0
FROM 16 TO 17	IMPERIAL	DEPTH 17, DEV. 0, DIRECTION 0
FROM 17 TO 18	IMPERIAL	DEPTH 18, DEV. 0, DIRECTION 0

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		W.L. Cronin JR	8
DREWMAN			
MTRMAN			
FIREMAN			
FLSBMAN			
FLSBMAN			
FRAMER			

NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
1	BIT NO. 112	BIT NO. 112	TIME 11:00
2	BIT NO. 112	BIT NO. 112	TIME 11:00
3	BIT NO. 112	BIT NO. 112	TIME 11:00
4	BIT NO. 112	BIT NO. 112	TIME 11:00
5	BIT NO. 112	BIT NO. 112	TIME 11:00
6	BIT NO. 112	BIT NO. 112	TIME 11:00
7	BIT NO. 112	BIT NO. 112	TIME 11:00
8	BIT NO. 112	BIT NO. 112	TIME 11:00

FOOTAGE	FORMATION	DEVIATION RECORD
FROM 0 TO 8	IMPERIAL	DEPTH 8, DEV. 0, DIRECTION 0
FROM 8 TO 9	IMPERIAL	DEPTH 9, DEV. 0, DIRECTION 0
FROM 9 TO 10	IMPERIAL	DEPTH 10, DEV. 0, DIRECTION 0
FROM 10 TO 11	IMPERIAL	DEPTH 11, DEV. 0, DIRECTION 0
FROM 11 TO 12	IMPERIAL	DEPTH 12, DEV. 0, DIRECTION 0
FROM 12 TO 13	IMPERIAL	DEPTH 13, DEV. 0, DIRECTION 0
FROM 13 TO 14	IMPERIAL	DEPTH 14, DEV. 0, DIRECTION 0

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		Bruce J. Fortin	8
DREWMAN			
MTRMAN			
FIREMAN			
FLSBMAN			
FLSBMAN			
FRAMER			

NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
1	BIT NO. 112	BIT NO. 112	TIME 11:00
2	BIT NO. 112	BIT NO. 112	TIME 11:00
3	BIT NO. 112	BIT NO. 112	TIME 11:00
4	BIT NO. 112	BIT NO. 112	TIME 11:00
5	BIT NO. 112	BIT NO. 112	TIME 11:00
6	BIT NO. 112	BIT NO. 112	TIME 11:00
7	BIT NO. 112	BIT NO. 112	TIME 11:00
8	BIT NO. 112	BIT NO. 112	TIME 11:00

FOOTAGE	FORMATION	DEVIATION RECORD
FROM 0 TO 4	IMPERIAL	DEPTH 4, DEV. 0, DIRECTION 0
FROM 4 TO 5	IMPERIAL	DEPTH 5, DEV. 0, DIRECTION 0
FROM 5 TO 6	IMPERIAL	DEPTH 6, DEV. 0, DIRECTION 0
FROM 6 TO 7	IMPERIAL	DEPTH 7, DEV. 0, DIRECTION 0
FROM 7 TO 8	IMPERIAL	DEPTH 8, DEV. 0, DIRECTION 0
FROM 8 TO 9	IMPERIAL	DEPTH 9, DEV. 0, DIRECTION 0
FROM 9 TO 10	IMPERIAL	DEPTH 10, DEV. 0, DIRECTION 0
FROM 10 TO 11	IMPERIAL	DEPTH 11, DEV. 0, DIRECTION 0

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		D.F. Guenther	8
DREWMAN			
MTRMAN			
FIREMAN			
FLSBMAN			
FLSBMAN			
FRAMER			

No. 40619

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Hancock State</i>	WELL NO. <i>2-11</i>	API WELL NUMBER	DATE <i>12-28-85</i>
OPERATOR <i>Bechtel & ODE</i>	CONTRACTOR <i>Cleveland State Co</i>		
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>A.W. Birch</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Sullivan Mchtl</i>	
S.P. WEL	WT. WT.	GRADE	TOOL JOINT
<i>5"</i>	<i>12.5</i>	<i>E</i>	<i>6 1/4</i>
			<i>4 1/2</i>
			<i>12.2</i>

FIELDS OR DIST	COUNTY	STATE	WIRE LINE RECORD	WELL NO.
<i>Salt Lake</i>	<i>Wasatch</i>	<i>Utah</i>	<i>136</i>	<i>10</i>
SIZE	WELL	WT. & DR.	NO. JOINTS	FEET
<i>20</i>	<i>11-80</i>	<i>25</i>	<i>28</i>	<i>1032</i>
	<i>11-80</i>	<i>25</i>		<i>8515</i>
	<i>9-80</i>	<i>17</i>		<i>1000</i>

DRILLING CREW PAYROLL DATA
DATE *12-28-85*
WELL NAME & LOCATION *Hancock State #11*
COMPANY *Bechtel & ODE*
TOOL PUSHER *Sullivan Mchtl* WIG NO. *#6*

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILL AND TRIP				
2. DRILL ACTUAL				
3. REAMING				
4. CORING				
5. CONDITION MUD & CIRCULATE				
6. TRIPS				
7. LUBRICATE AND				
8. CLEAN UP				
9. DRILL LINE				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS	<i>0</i>	<i>58</i>		
12. RIG UP				
13. RIG DOWN				
14. TEST LOG				
15. TEST LOG				
16. DRILL STOP TEST				
17. PLUG BACK				
18. SWEEP CONC'D				
19. PILING				
20. END WORK				
21. Flow Test	<i>26</i>	<i>8</i>		
22.				

FOOTAGE		DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD	
FROM	TO	DEPTH	DEV.	DEPTH	DEV.	DEPTH	DEV.
<i>6227</i>							
TIME LOG	FLAPS	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
<i>12</i>	<i>1</i>	<i>11</i>	<i>Rig up logged to Run Temp Survey</i>				
<i>1</i>	<i>2</i>	<i>11</i>	<i>Temp Survey, Starting Pressure 250 PSI</i>				
<i>2</i>	<i>3</i>	<i>11</i>	<i>End of approx. Pressure 250 PSI</i>				
<i>3</i>	<i>4</i>	<i>11</i>	<i>Depth @ 6:00 = 6227</i>				
<i>4</i>	<i>5</i>	<i>11</i>	<i>Just @ 31"</i>				
<i>5</i>	<i>6</i>	<i>11</i>					
<i>6</i>	<i>7</i>	<i>11</i>	<i>Rig Down Temp Survey & Rig up OTIS</i>				
<i>7</i>	<i>8</i>	<i>11</i>					

MORNING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>R.A. Herman</i>	<i>8</i>
DRENNAN		<i>D. Lightmass</i>	<i>8</i>
MTHAN		<i>R. Haddis</i>	<i>8</i>
FIREMAN			
FLWMAN			
FLWMAN			
FLWMAN			
TRANE			

NO OF DAYS *12* SINCE LAST LOST THE ACCIDENT

FOOTAGE		DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD	
FROM	TO	DEPTH	DEV.	DEPTH	DEV.	DEPTH	DEV.
<i>6227</i>							
TIME LOG	FLAPS	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
<i>9</i>	<i>10</i>	<i>11</i>	<i>Rig up Otis</i>				
<i>10</i>	<i>11</i>	<i>11</i>	<i>Rig up Otis & Run Temp Survey</i>				
<i>11</i>	<i>12</i>	<i>11</i>	<i>Run Temp Survey</i>				
<i>12</i>	<i>13</i>	<i>11</i>	<i>Run Temp Survey</i>				
<i>13</i>	<i>14</i>	<i>11</i>	<i>Run Temp Survey</i>				
<i>14</i>	<i>15</i>	<i>21</i>	<i>Temp out Otis & Flow Test Well</i>				
<i>15</i>	<i>16</i>	<i>21</i>	<i>Flow Test well</i>				
<i>16</i>	<i>17</i>	<i>21</i>	<i>Flow Test well</i>				

FOOTAGE		DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD	
FROM	TO	DEPTH	DEV.	DEPTH	DEV.	DEPTH	DEV.
<i>6227</i>							
TIME LOG	FLAPS	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
<i>4</i>	<i>5</i>	<i>21</i>	<i>FLOW TEST WELL - (RIG ENDUSUBING)</i>				
<i>5</i>	<i>6</i>	<i>21</i>	<i>PUMP WITH DOWN</i>				
<i>6</i>	<i>7</i>	<i>21</i>					
<i>7</i>	<i>8</i>	<i>21</i>	<i>RIG DOWN LOGGING</i>				
<i>8</i>	<i>9</i>	<i>21</i>	<i>RIG DOWN TEMP. & PRESS. SURVEY</i>				
<i>9</i>	<i>10</i>	<i>21</i>					
<i>10</i>	<i>11</i>	<i>21</i>					
<i>11</i>	<i>12</i>	<i>21</i>					

DAY TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>B. Daharsh</i>	<i>8</i>
DRENNAN		<i>V.D. Hudson</i>	<i>8</i>
MTHAN		<i>J. Carr</i>	<i>8</i>
FIREMAN			
FLWMAN			
FLWMAN			
TRANE			

NO OF DAYS *12* SINCE LAST LOST THE ACCIDENT

FOOTAGE		DEVIATION RECORD		DEVIATION RECORD		DEVIATION RECORD	
FROM	TO	DEPTH	DEV.	DEPTH	DEV.	DEPTH	DEV.
<i>6227</i>							
TIME LOG	FLAPS	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
<i>4</i>	<i>5</i>	<i>21</i>					
<i>5</i>	<i>6</i>	<i>21</i>					
<i>6</i>	<i>7</i>	<i>21</i>					
<i>7</i>	<i>8</i>	<i>21</i>					
<i>8</i>	<i>9</i>	<i>21</i>					
<i>9</i>	<i>10</i>	<i>21</i>					
<i>10</i>	<i>11</i>	<i>21</i>					
<i>11</i>	<i>12</i>	<i>21</i>					

EVENING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>DAVID MALINIS</i>	<i>8</i>
DRENNAN		<i>DAVID DEWEATHER</i>	<i>8</i>
MTHAN		<i>BRIAN HENRY</i>	<i>8</i>
FIREMAN			
FLWMAN			
FLWMAN			
TRANE			

NO OF DAYS *12* SINCE LAST LOST THE ACCIDENT

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

No. 40620

DAILY DRILLING REPORT REPORT NO.

LEASE Kearcott State WELL NO. 2-14 API WELL NUMBER 2-14 DATE 12-29-85
 OPERATOR Bechtel D.O.E CONTRACTOR Cleveland Dale Co. RIG NO. 6
 SIGNATURE OF OPERATOR'S REPRESENTATIVE S. W. Bunch SIGNATURE OF CONTRACTOR'S TOOL PUSHER Richard Kuebel
 DATE 12-29-85

FIELD OR DIST. Saltton Sea COUNTY Imperial STATE Calif
 WIRE LINE RECORD REF. NO. 138 NO. LINES 10 FT. BEHIND
 LAST CASING LOGGED ON LINE 20 1/2 94 25 FEET 28 MET AT 1030
12/10/90 72 82 3512
2 1/2 C 95 47 187 6000
 TO BE ON TRIP SINCE LAST CUT
 CONCL. TYPE TO BE ON TRIP

DRILLING CREW PAYROLL DATA
 DATE 12-29-85
 WELL NAME & NO. Kearcott State 2-14
 COMPANY Bechtel D.O.E
 TOOL PUSHER Richard Kuebel RIG NO. 6

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	DESCRIPTION	HOURS	DATE	NO.	NO.	NO.	NO.	NO.	NO.
1	DRILL								
2	TRIP								
3	CONDUIT								
4	STANDS								
5	CONCRETE								
6	PIPELINE								
7	CONCRETE								
8	CONCRETE								
9	CONCRETE								
10	CONCRETE								
11	CONCRETE								
12	CONCRETE								
13	CONCRETE								
14	CONCRETE								
15	CONCRETE								
16	CONCRETE								
17	CONCRETE								
18	CONCRETE								
19	CONCRETE								
20	CONCRETE								
21	CONCRETE								
22	CONCRETE								
23	CONCRETE								
24	CONCRETE								
25	CONCRETE								
26	CONCRETE								
27	CONCRETE								
28	CONCRETE								
29	CONCRETE								
30	CONCRETE								

FOOTAGE		NO. OF CORRECTIONS	CODE NO.	FORMATION (SHOW CORE RECOVERY)			RELAY DEPTH	VT. ON INCHES	PUMP PRESS	PUMP NO.	PUMP SIZE	S.P.M.	PUMP NO.	PUMP SIZE	S.P.M.	NO. OF RUNS
FROM	TO			DEPTH	DEV.	DIRECTION										
6227																
DEVIATION RECORD																
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION								
12	1	21	1	21		1	21									
1	1	21	1	21		1	21									
2	2	21	1	21		1	21									
3	2	21	1	21		1	21									
4	2	21	1	21		1	21									
5	2	21	1	21		1	21									
6	2	21	1	21		1	21									
7	2	21	1	21		1	21									

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		<u>R.A. Herman</u>	<u>8</u>
DRAWER		<u>D. Vanhaus</u>	<u>8</u>
MIRMAN		<u>R. Harris</u>	<u>8</u>
FIREMAN			
FLANAN			
FLANAN			
FLANAN			
TRAINER			

NO. OF DAYS 1 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	DESCRIPTION	HOURS	DATE	NO.	NO.	NO.	NO.	NO.	NO.
1	DRILL								
2	TRIP								
3	CONDUIT								
4	STANDS								
5	CONCRETE								
6	PIPELINE								
7	CONCRETE								
8	CONCRETE								
9	CONCRETE								
10	CONCRETE								
11	CONCRETE								
12	CONCRETE								
13	CONCRETE								
14	CONCRETE								
15	CONCRETE								
16	CONCRETE								
17	CONCRETE								
18	CONCRETE								
19	CONCRETE								
20	CONCRETE								
21	CONCRETE								
22	CONCRETE								
23	CONCRETE								
24	CONCRETE								
25	CONCRETE								
26	CONCRETE								
27	CONCRETE								
28	CONCRETE								
29	CONCRETE								
30	CONCRETE								

FOOTAGE		NO. OF CORRECTIONS	CODE NO.	FORMATION (SHOW CORE RECOVERY)			RELAY DEPTH	VT. ON INCHES	PUMP PRESS	PUMP NO.	PUMP SIZE	S.P.M.	PUMP NO.	PUMP SIZE	S.P.M.	NO. OF RUNS
FROM	TO			DEPTH	DEV.	DIRECTION										
6227																
DEVIATION RECORD																
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION								
8	1	21	1	21		1	21									
9	1	21	1	21		1	21									
10	1	21	1	21		1	21									
11	1	21	1	21		1	21									
12	1	21	1	21		1	21									
1	1	21	1	21		1	21									
2	1	21	1	21		1	21									
3	1	21	1	21		1	21									

MORNING TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		<u>R. Daharsh</u>	<u>8</u>
DRAWER		<u>B. Fortin</u>	<u>8</u>
MIRMAN		<u>J. Carr</u>	<u>8</u>
FIREMAN			
FLANAN			
FLANAN			
FLANAN			
TRAINER			

NO. OF DAYS 1 SINCE LAST LOST TIME ACCIDENT

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	DESCRIPTION	HOURS	DATE	NO.	NO.	NO.	NO.	NO.	NO.
1	DRILL								
2	TRIP								
3	CONDUIT								
4	STANDS								
5	CONCRETE								
6	PIPELINE								
7	CONCRETE								
8	CONCRETE								
9	CONCRETE								
10	CONCRETE								
11	CONCRETE								
12	CONCRETE								
13	CONCRETE								
14	CONCRETE								
15	CONCRETE								
16	CONCRETE								
17	CONCRETE								
18	CONCRETE								
19	CONCRETE								
20	CONCRETE								
21	CONCRETE								
22	CONCRETE								
23	CONCRETE								
24	CONCRETE								
25	CONCRETE								
26	CONCRETE								
27	CONCRETE								
28	CONCRETE								
29	CONCRETE								
30	CONCRETE								

FOOTAGE		NO. OF CORRECTIONS	CODE NO.	FORMATION (SHOW CORE RECOVERY)			RELAY DEPTH	VT. ON INCHES	PUMP PRESS	PUMP NO.	PUMP SIZE	S.P.M.	PUMP NO.	PUMP SIZE	S.P.M.	NO. OF RUNS
FROM	TO			DEPTH	DEV.	DIRECTION										
6227																
DEVIATION RECORD																
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION								
4	1	21	1	21		1	21									
5	1	21	1	21		1	21									
6	1	21	1	21		1	21									
7	1	21	1	21		1	21									
8	1	21	1	21		1	21									
9	1	21	1	21		1	21									
10	1	21	1	21		1	21									
11	1	21	1	21		1	21									
12	1	21	1	21		1	21									

MORNING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		<u>DAVID MATHIS</u>	<u>8</u>
DRAWER		<u>DAVID JERAMIAN</u>	<u>8</u>
MIRMAN		<u>TOBY SUGALL</u>	<u>8</u>
FIREMAN			
FLANAN			
FLANAN			
FLANAN			
TRAINER			

NO. OF DAYS 1 SINCE LAST LOST TIME ACCIDENT

No. 40621

DAILY DRILLING REPORT REPORT NO.

LEASE, OPERATOR, SIGNATURE OF OPERATOR'S REPRESENTATIVE, CONTRACTOR, SIGNATURE OF CONTRACTOR'S TOOL PUSHER, WELLS, DATE, FIELD, COUNTY, STATE, TIME LINE RECORD

TIME DISTRIBUTION - HOURS table with columns for NO, DRILLING ASSEMBLY, BIT RECORD, MID RECORD

TIME DISTRIBUTION - HOURS table with columns for NO, DRILLING ASSEMBLY, BIT RECORD, MID RECORD

TIME DISTRIBUTION - HOURS table with columns for NO, DRILLING ASSEMBLY, BIT RECORD, MID RECORD

FIELD, COUNTY, STATE, TIME LINE RECORD, WELL NO, FEET, PERCENT LENGTH, TIME IN OR TRIPS, SINCE LAST CUT, CUMULATIVE TIME IN OR TRIPS

FOOTAGE, DEPTH, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FOOTAGE, DEPTH, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FOOTAGE, DEPTH, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLING CREW PAYROLL DATA, DATE, WELL NAME & NO, COMPANY, TOOL PUSHER

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS.

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS.

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS.

No. 40622

DAILY DRILLING REPORT REPORT NO.

LEASE Lawrence State WELL NO. 2-11 API WELL NUMBER DATE 12-9-85
 OPERATOR Bechtel DOE CONTRACTOR Cleveland Oil Co. RIG NO. 06
 SIGNATURE OF OPERATOR'S REPRESENTATIVE D.W. Reich SIGNATURE OF CONTRACTOR'S TOOL PUSHER Billard Nechel
 FIELD NO. 5678 SEA Imperial STATE Calif
 LAST CALIB. LOGGING ON CASE

WIRE LINE RECORD
 SIZE 1 1/2 IN. LINES 10
 FROM 0 TO 20 K-55 94
 TO 1300 L-80 22
 2500
 2500 C-95 47
 6000

DRILLING CREW PAYROLL DATA
 DATE 12-31-85
 WELL NAME & NO. Lawrence State 2-11
 COMPANY Bechtel DOE
 TOOL PUSHER Billard Nechel RIG NO. 06

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (last end of tool)	BIT RECORD	MUD RECORD
1. DRILL UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. BEARING				
4. CONING				
5. POSITIONING				
6. TRIPS				
7. LUBRICATE HOSE				
8. REPAIR HOSE				
9. RELEASE LINE				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS	3			
12. CONDUCT	4			
13. WAIT ON	6			
14. STOP OF R.P.P.				
15. TEST R.P.P.				
16. DRILL STEM TEST				
17. FLUID BACK				
18. MUDFEE COMPANY				
19. PUMPING				
20. RUN HOSE				
21. WAIT ON	4			
22. REARREST	1			
23.				
TOTAL	8			

FOOTAGE		NO. OF	CONV.	FORMATION	ROTARY	VT. ON	PUMP	PUMP	PUMP	W. IN
FROM	TO	HOLES	NO.	(SHOW CORE RECOVERY)	TIME	LOG	PRESS.	NO.	NO.	NO.
6227										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1	1	1	"							
2	2	1	"							
3	3	1	"							
4	4	1	"							
5	5	1	"							
6	6	1	"							
7	7	1	"							

MORNING TOUR			12 P.M.	8 A.M.
CREW	SOC. SEC. NO.	NAME	HRS	
DRILLER		R.D. Heaman	8	
DREAM		D. Vanarsdal	8	
MUDMAN		C. Cantrell	8	
FIREMAN				
FLANMAN				
FLANMAN				
FLANMAN				
TRAINING				

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (last end of tool)	BIT RECORD	MUD RECORD
1. DRILL UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. BEARING				
4. CONING				
5. POSITIONING				
6. TRIPS				
7. LUBRICATE HOSE				
8. REPAIR HOSE				
9. RELEASE LINE				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS	3			
12. CONDUCT	4			
13. WAIT ON	6			
14. STOP OF R.P.P.				
15. TEST R.P.P.				
16. DRILL STEM TEST				
17. FLUID BACK				
18. MUDFEE COMPANY				
19. PUMPING				
20. RUN HOSE				
21. WAIT ON	4			
22. REARREST	1			
23.				
TOTAL	8			

FOOTAGE		NO. OF	CONV.	FORMATION	ROTARY	VT. ON	PUMP	PUMP	PUMP	W. IN
FROM	TO	HOLES	NO.	(SHOW CORE RECOVERY)	TIME	LOG	PRESS.	NO.	NO.	NO.
6227										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	9	1	"							
9	10	1	"							
10	11	1	"							
11	12	1	"							
12	13	1	"							
13	14	1	"							
14	15	1	"							
15	16	1	"							
16	17	1	"							
17	18	1	"							
18	19	1	"							
19	20	1	"							
20	21	1	"							
21	22	1	"							
22	23	1	"							
23	24	1	"							

MORNING TOUR			8:00 A.M.	9:00 P.M.
CREW	SOC. SEC. NO.	NAME	HRS	
DRILLER		R. Dabaash	8	
DREAM		V.D. Hudson	8	
MUDMAN		B. Fortin	8	
FIREMAN		J. Carr	8	
FLANMAN				
FLANMAN				
FLANMAN				
TRAINING				

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (last end of tool)	BIT RECORD	MUD RECORD
1. DRILL UP AND TEAR DOWN				
2. DRILL ACTUAL				
3. BEARING				
4. CONING				
5. POSITIONING				
6. TRIPS				
7. LUBRICATE HOSE				
8. REPAIR HOSE				
9. RELEASE LINE				
10. DEVIATION SURVEY				
11. WIRE LINE LOSS	3			
12. CONDUCT	4			
13. WAIT ON	6			
14. STOP OF R.P.P.				
15. TEST R.P.P.				
16. DRILL STEM TEST				
17. FLUID BACK				
18. MUDFEE COMPANY				
19. PUMPING				
20. RUN HOSE				
21. WAIT ON	4			
22. REARREST	1			
23.				
TOTAL	8			

FOOTAGE		NO. OF	CONV.	FORMATION	ROTARY	VT. ON	PUMP	PUMP	PUMP	W. IN
FROM	TO	HOLES	NO.	(SHOW CORE RECOVERY)	TIME	LOG	PRESS.	NO.	NO.	NO.
6227										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4	5	1	"							
5	6	1	"							
6	7	1	"							
7	8	1	"							
8	9	1	"							
9	10	1	"							
10	11	1	"							
11	12	1	"							

EVENING TOUR			4:00 P.M.	12:00 P.M.
CREW	SOC. SEC. NO.	NAME	HRS	
DRILLER		W.E. Connor JR	8	
DREAM		F.C. Simpton	8	
MUDMAN		H.E. Ries	8	
FIREMAN				
FLANMAN				
FLANMAN				
FLANMAN				
TRAINING				

No. 40623

DAILY DRILLING REPORT REPORT NO.

LEASE Kearcott State	WELL NO. 1-18	API WELL NUMBER	DATE 1-1-86
OPERATOR Bechtel & D.O.E.	CONTRACTOR Cleveland Drilling Co.		
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOLPUSHER <i>[Signature]</i>	
S.P. NO. 175	WT. P.I. E	GRADE 4 1/2	TOOL JO. IN. 4 1/2
TYPE 175	WT. P.I. G	GRADE 4 1/2	TOOL JO. IN. 4 1/2

FIELD OR DIST. Salt Lake	COUNTY Wasatch	STATE Utah	WIRE LINE RECORD SIZ. 1 3/8 IN. LINES PT. CUT OFF
LAST CORRECTION DATE 12/18/85	DATE 1/1/86	TIME 10:52	FEET 6000
NO. OF STRINGS 2	TYPE 175	MANUFACTURER 175	TYPE 175

DRILLING CREW PAYROLL DATA	
DATE 1-1-86	WELL NAME & NO. Kearcott State 18
COMPANY Bechtel & D.O.E.	TOOL PUSHER Wendell Muel

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILLING	1	PT. NO.	PT. NO.	TIME
2. TRIP	2	PT. NO.	PT. NO.	TIME
3. CONNECTION	3	PT. NO.	PT. NO.	TIME
4. LUBRICATE	4	PT. NO.	PT. NO.	TIME
5. REPAIR	5	PT. NO.	PT. NO.	TIME
6. OTHER	6	PT. NO.	PT. NO.	TIME
TOTAL				

FOOTAGE	FORMATION	ROTARY	FLY	PUMP	PUMP	PUMP	WELL
6227							
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
18	1	21					
2	2	21					
3	3	21					
4	4	21					
5	5	21					
6	6	21					
7	7	21					

MORNING TOUR	NO. OF DAYS	SINCE LAST LOST THE ACCIDENT
DRILLER R.A. Hergeles	8	
DRAWER D. Van Tassel	8	
MUDMAN C. Cantrell	8	
FIREMAN E.E. Hoff	8	
FLANMAN		
FLANMAN		
FLANMAN		
FRAMER		
No Acc		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	PT. NO.	PT. NO.	TIME
2	PT. NO.	PT. NO.	TIME
3	PT. NO.	PT. NO.	TIME
4	PT. NO.	PT. NO.	TIME
5	PT. NO.	PT. NO.	TIME
6	PT. NO.	PT. NO.	TIME
7	PT. NO.	PT. NO.	TIME
8	PT. NO.	PT. NO.	TIME
9	PT. NO.	PT. NO.	TIME
10	PT. NO.	PT. NO.	TIME
11	PT. NO.	PT. NO.	TIME
12	PT. NO.	PT. NO.	TIME
13	PT. NO.	PT. NO.	TIME
14	PT. NO.	PT. NO.	TIME
15	PT. NO.	PT. NO.	TIME
16	PT. NO.	PT. NO.	TIME
17	PT. NO.	PT. NO.	TIME
18	PT. NO.	PT. NO.	TIME
19	PT. NO.	PT. NO.	TIME
20	PT. NO.	PT. NO.	TIME
21	PT. NO.	PT. NO.	TIME
22	PT. NO.	PT. NO.	TIME
23	PT. NO.	PT. NO.	TIME
24	PT. NO.	PT. NO.	TIME
25	PT. NO.	PT. NO.	TIME
26	PT. NO.	PT. NO.	TIME
27	PT. NO.	PT. NO.	TIME
28	PT. NO.	PT. NO.	TIME
29	PT. NO.	PT. NO.	TIME
30	PT. NO.	PT. NO.	TIME
TOTAL			

FOOTAGE	FORMATION	ROTARY	FLY	PUMP	PUMP	PUMP	WELL
6227							
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
8	9	21					
9	10	21					
10	11	21					
11	12	21					
12	1	22					
2	2	22					
3	3	14					
4	4	14					

DAY TOUR	NO. OF DAYS	SINCE LAST LOST THE ACCIDENT
DRILLER R. Daharsh	8	
DRAWER V.D. Hudson	8	
MUDMAN R. Swank	8	
FIREMAN B. Fortin	8	
FLANMAN J. Carr	8	
FLANMAN		
FLANMAN		
FRAMER		
No Acc		

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	PT. NO.	PT. NO.	TIME
2	PT. NO.	PT. NO.	TIME
3	PT. NO.	PT. NO.	TIME
4	PT. NO.	PT. NO.	TIME
5	PT. NO.	PT. NO.	TIME
6	PT. NO.	PT. NO.	TIME
7	PT. NO.	PT. NO.	TIME
8	PT. NO.	PT. NO.	TIME
9	PT. NO.	PT. NO.	TIME
10	PT. NO.	PT. NO.	TIME
11	PT. NO.	PT. NO.	TIME
12	PT. NO.	PT. NO.	TIME
13	PT. NO.	PT. NO.	TIME
14	PT. NO.	PT. NO.	TIME
15	PT. NO.	PT. NO.	TIME
16	PT. NO.	PT. NO.	TIME
17	PT. NO.	PT. NO.	TIME
18	PT. NO.	PT. NO.	TIME
19	PT. NO.	PT. NO.	TIME
20	PT. NO.	PT. NO.	TIME
21	PT. NO.	PT. NO.	TIME
22	PT. NO.	PT. NO.	TIME
23	PT. NO.	PT. NO.	TIME
24	PT. NO.	PT. NO.	TIME
25	PT. NO.	PT. NO.	TIME
26	PT. NO.	PT. NO.	TIME
27	PT. NO.	PT. NO.	TIME
28	PT. NO.	PT. NO.	TIME
29	PT. NO.	PT. NO.	TIME
30	PT. NO.	PT. NO.	TIME
TOTAL			

FOOTAGE	FORMATION	ROTARY	FLY	PUMP	PUMP	PUMP	WELL
6227							
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.
4	5	1					
5	6	1					
6	7	1					
7	8	1					
8	9	1					
9	10	1					
10	11	1					
11	12	1					

DAY TOUR	NO. OF DAYS	SINCE LAST LOST THE ACCIDENT
DRILLER W.E. Cannon JR	8	
DRAWER F.C. Singma	8	
MUDMAN H.Z. Ries	8	
FIREMAN G.K. Bjerby	8	
FLANMAN B.J. Schlachter	8	
FLANMAN		
FLANMAN		
FRAMER		
no acc		

DAILY DRILLING REPORT REPORT NO.

LEASE *Kanawatch State* WELL NO *E-11* API WELL NUMBER DATE *1-2-86*
 OPERATOR *Bechtel & ODE* CONTRACTOR *Cleveland Shale Co.* RIG NO.
 SIGNATURE OF OPERATOR'S REPRESENTATIVE *H.W. Rieck 1-2-86* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *P.M. Gardner*

FILES OR DIST. *501 Area* COUNTY *Impress* STATE *Calif* WIRE LINE RECORD REEL NO.
 R2Z *20* R3Z *13/6* R4Z *10* PL. SIZES
 LAST CORRECTION ON LOG *1336 11-80 72* *8B' 1082* PRESENT LENGTH
976 11-95 47 *5575* *600* TOTAL OF TAPS SINCE LAST CUT
 CORRECTION TYPE OR NO. OF TAPS

DRILLING CREW PAYROLL DATA
 DATE *1-2-86*
 WELL NAME & NO. *Kanawatch State E-11*
 COMPANY *Bechtel & ODE*
 TOOL PUSHER *P.M. Gardner* RIG NO. *E-11*

TIME DISTRIBUTION - HOURS				NO. DRILLING ASSEMBLY (at end of hour)		BIT RECORD		JOB RECORD	
CODE	OPERATION	HOURS	MIN.	NO.	FT.	NO.	FT.	TIME	REMARKS
1	DRILL UP AND BURN DOWN			1	8 1/2	75	26	12:00	5:05 2cc
2	DRILL ACTUAL	1	1/2	1	8 1/2	75	26		
3	DRILLING			1	8 1/2	75	26		
4	CONING			1	8 1/2	75	26		
5	CONCRETE AND CONCRETE			1	8 1/2	75	26		
6	TIPS	2	1	1	8 1/2	75	26		
7	LAGGERS ETC	2	1/2	1	8 1/2	75	26		
8	REPAIR DR			1	8 1/2	75	26		
9	DRILL LINE			1	8 1/2	75	26		
10	INSPECTION SURVEY	1	20	1	8 1/2	75	26		
11	WIRE LINE LOGS			1	8 1/2	75	26		
12	RECORDING			1	8 1/2	75	26		
13	CORRECT			1	8 1/2	75	26		
14	DRILL UP	3		1	8 1/2	75	26		
15	TEST B.O.P.			1	8 1/2	75	26		
16	DRILL STOP			1	8 1/2	75	26		
17	PLUG BACK			1	8 1/2	75	26		
18	REPAIRS OTHER			1	8 1/2	75	26		
19	FEEDING			1	8 1/2	75	26		
20	DRILL DOWN			1	8 1/2	75	26		
21	DRILL UP			1	8 1/2	75	26		
22	DRILL			1	8 1/2	75	26		

FOOTAGE		S.D. CORRECTION	CORR. NO.	FORMATION (FROM CORE RECOVERY)	RETAIN. SPEC.	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	METHOD
FROM	TO									
6227										
6105	6227									

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO									
12	1	1	14							
1	2	1	14							
2	3	1	14							
3	4	1	6							
4	5	1/2	6-5							
5	6	1/2	6-3							
6	7	1/2	6-5							
7	8	1	5							

MORNING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		P.A. Herman	8
DRILMAN		G. V. Vantrassel	8
STRAMAN		C. Cantrell	8
FIREMAN		E.F. Hoff	8
FLUMAN		P. Harris	8
FLUMAN			
FRAME		No Acc.	

COMPLETION			
A.	B.	C.	D.
PERFECT	YES TIPS	TREATING	BRAMING
TESTING	ADJUST		

FOOTAGE		S.D. CORRECTION	CORR. NO.	FORMATION (FROM CORE RECOVERY)	RETAIN. SPEC.	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	METHOD
FROM	TO									
6227	6229									
6158	6229									

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO									
8	9	1/2	11 1/2							
9	10	1/2	10							
10	11	1	6							
11	12	1	6							
12	1	1	6							
1	2	1	6							
2	3	1/2	6-5							
3	4	1/2	10-2							

DAY TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		J.V.D. Mathis	8
DRILMAN		D.P. Trevarthen	8
STRAMAN		C.A. Cantrell	8
FIREMAN		T.M. Stegall	8
FLUMAN		Fernando Rodriguez	8
FLUMAN			
FRAME		No Acc.	

TOTALS			
NO.	DRILLING ASSEMBLY (at end of hour)	BIT RECORD	JOB RECORD
8	8 1/2	75	27
9	8 1/2	75	27
10	8 1/2	75	27
11	8 1/2	75	27
12	8 1/2	75	27
13	8 1/2	75	27
14	8 1/2	75	27
15	8 1/2	75	27
16	8 1/2	75	27
17	8 1/2	75	27
18	8 1/2	75	27
19	8 1/2	75	27
20	8 1/2	75	27
21	8 1/2	75	27
22	8 1/2	75	27
23	8 1/2	75	27
24	8 1/2	75	27
25	8 1/2	75	27
26	8 1/2	75	27
27	8 1/2	75	27
28	8 1/2	75	27
29	8 1/2	75	27
30	8 1/2	75	27
31	8 1/2	75	27
32	8 1/2	75	27
33	8 1/2	75	27
34	8 1/2	75	27
35	8 1/2	75	27
36	8 1/2	75	27
37	8 1/2	75	27
38	8 1/2	75	27
39	8 1/2	75	27
40	8 1/2	75	27
41	8 1/2	75	27
42	8 1/2	75	27
43	8 1/2	75	27
44	8 1/2	75	27
45	8 1/2	75	27
46	8 1/2	75	27
47	8 1/2	75	27
48	8 1/2	75	27
49	8 1/2	75	27
50	8 1/2	75	27

FOOTAGE		S.D. CORRECTION	CORR. NO.	FORMATION (FROM CORE RECOVERY)	RETAIN. SPEC.	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	METHOD
FROM	TO									
6229	6316									
6223	6316									

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO									
4	5	1	2							
5	6	1	10							
6	7	1	2							
7	8	1/2	2 10 1/2							
8	9	1	2							
9	10	1/2	2 10 1/2							
10	11	1	2							
11	12	1/2	2 6							

EVENING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Cronan Jr	8
DRILMAN		F.S. Sunbhan	8
STRAMAN		H.E. Rios	8
FIREMAN		G.R. Byerly	8
FLUMAN		B.J. Schluhter	8
FLUMAN			
FRAME		No Acc.	

No. 40625

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO.: 2-14, API WELL NUMBER: 1-3-86, OPERATOR: Bechtel & DOE, CONTRACTOR: Cleveland Pipe Co., SIGNATURE OF OPERATOR'S REPRESENTATIVE: A.W. Finch, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.M. Gardner

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD. Includes rows for 1st, 2nd, and 3rd shifts.

TIME DISTRIBUTION - HOURS table (continued) for 4th and 5th shifts, including detailed bit and mud records.

TIME DISTRIBUTION - HOURS table (continued) for 6th and 7th shifts, including detailed bit and mud records.

WELL LOG RECORD table with columns for DATE, TIME, DEPTH, and LITHOLOGY. Shows data for 1-3-86 from 0 to 1500 feet.

FORMATION table with columns for FOOTAGE, FORMATION, and DEVIATION RECORD. Includes entries for SILTSTONE-SHALE and CLAYSTONE.

FORMATION table (continued) with entries for SILTSTONE-SHALE and SURVEY. Includes deviation records for various depths.

FORMATION table (continued) with entries for SURVEY and PULL OUT. Includes deviation records and well logs.

DRILLING CREW PAYROLL DATA: DATE 1-3-86, WELL NAME & NO. Kennecott State 2-14, COMPANY: Bechtel & DOE, TOOL PUSHER: J.M. Gardner

DRILLING CREW PAYROLL DATA table listing crew members (DRILLER, DREGMAN, etc.) and their work hours.

DRILLING CREW PAYROLL DATA table (continued) listing crew members and work hours.

DRILLING CREW PAYROLL DATA table (continued) listing crew members and work hours.

No. 40626

DAILY DRILLING REPORT

WELL NO. 2-14, DATE 1-4-86, OPERATOR Kennecott

CONTRACTOR Cleveland Oils Co, SIGNATURE OF CONTRACTOR'S TOOL PUSHER J.M. Jordan

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

WELL NO. 2-14, DATE 1-4-86, OPERATOR Kennecott

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

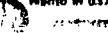
TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD

DRILLING CREW PATROLL DATA, DATE 1-4-86, WELL NAME & NO. Kennecott, Ste 2-14

DRILLING CREW PATROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS

DRILLING CREW PATROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS

DRILLING CREW PATROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS



APPROVED IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 40626

No. 40627

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott	WELL NO. 2-14	API WELL NUMBER	DATE 1-5-86
OPERATOR Beechley & D.O.F.	CONTRACTOR Cleveland	RIG NO. 6	
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Reich	SIGNATURE OF CONTRACTOR'S TOOL PUSHER V.M. Gardner		
SIZE 3" 19.5 E	GRADE 64	TYPE THREAD TF	STRING NO. 159
SIZE 5" 19.5 G	GRADE 64	TYPE THREAD TF	STRING NO. 123

WELL CITY Sutton Sea	COUNTRY Imperial	STATE CA	WIRE LINE RECORD	WELL NO.
SIZE 9 7/8	WELL NO. 6-95	NO. OF SLOTS 47	FEET 28	DEPT AT 6000
FORMATION (FROM CORE RECOVERY)			RETAIN	WELL NO.
FOOTAGE FROM 70' TO 70'			NO. OF LINES 10	PERCENT ROPPED
DEVIATION RECORD			DEPTH	DEVIATION
12	1	1	5	5
1	2	2	5	5
2	3	2	5	5
3	4	2	5	5
4	5	2	5	5
5	6	2	5	5
6	7	2	5	5
7	8	2	5	5

DRILLING CREW PAYROLL DATA	DATE 1-5-86
WELL NAME & NO. Kennecott State 2-14	COMPANY Beechley & D.O.F.
TOOL PUSHER V.M. Gardner	RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (1st and 2nd string)	BIT RECORD	MUD RECORD
1. DRILLING	3	1. BHA 31.98	BIT NO. 29	TIME 12.00
2. DRILL ACTUAL	2	2. BHA 12.80	SIZE 8 1/2	4.00
3. RUNNING	1	3. BHA 22.51	TYPE V. S. 7	9.6
4. CORING	1	4. BHA 1.68	SIZE 10 1/2	9.6
5. CONNECTION	1	5. BHA 472.66	TYPE V. S. 7	
6. TRIPS	1	6. BHA 2.07	SIZE 10 1/2	
7. LAMINATE IN	1	7. BHA 1.90	TYPE V. S. 7	
8. REPAIR IN	1	8. BHA 1.90	TYPE V. S. 7	
9. BHA IN LINE	1	9. BHA 5825.26	TYPE V. S. 7	
10. OPERATION SURVEY	1	10. BHA 1.00	TYPE V. S. 7	
11. ONE LINE LOSS	1	11. BHA 3.37	TYPE V. S. 7	
12. L. CEMENT	1	12. BHA 482.66	TYPE V. S. 7	
13. BHA IN LCM	1	13. BHA 2.91	TYPE V. S. 7	
14. BHA IN LCM	1	14. BHA 1.00	TYPE V. S. 7	
15. PLUG BACK	3	15. BHA 14.41	TYPE V. S. 7	
16. BHA IN CABINET	1	16. BHA 272.51	TYPE V. S. 7	
17. RUNNING	2	17. BHA 3.37	TYPE V. S. 7	
18. BHA IN	2	18. BHA 33.54	TYPE V. S. 7	
19. BHA IN	16	19. BHA 482.66	TYPE V. S. 7	
20. TOTAL				

FOOTAGE	NO. OF LINES	CORE NO.	FORMATION (FROM CORE RECOVERY)	RETAIN	WELL NO.
6637	6707	D		80	25
DEVIATION RECORD			DEPTH	DEVIATION	DIRECTION
12	1	1	5	5	
1	2	2	5	5	
2	3	2	5	5	
3	4	2	5	5	
4	5	2	5	5	
5	6	2	5	5	
6	7	2	5	5	
7	8	2	5	5	

MORNING TOUR	12:00	P.M.	8:00
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dahansh	8
DREMAN		V.D. Hudson	8
MTRMAN		R. Spank	8
FIREMAN		B. Cortin	8
FLRMAN		J. Carr	8
FRANET		No Acc	
NO. OF DAYS	SINCE LAST LOST THE ACCIDENT		
DAY TOUR	8:00	A.M.	4:00
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DANIEL MARTINEZ	8
DREMAN		TOM STEGALL	8
MTRMAN		BRUCE HENCKY	8
FIREMAN		JOSEPH J. CARE	8
FLRMAN		ALFONSO RODRIGUEZ	8
FRANET		No Acc	
NO. OF DAYS	SINCE LAST LOST THE ACCIDENT		

NO.	DRILLING ASSEMBLY (1st and 2nd string)	BIT RECORD	MUD RECORD
1	1. BHA 35.44	BIT NO. 29	TIME 12.00
3	3. BHA 14.41	SIZE 8 1/2	4.00
9	9. BHA 272.51	TYPE V. S. 7	9.6
2	2. BHA 3.37	SIZE 10 1/2	9.6
16	16. BHA 482.66	TYPE V. S. 7	
TOTAL			

FOOTAGE	NO. OF LINES	CORE NO.	FORMATION (FROM CORE RECOVERY)	RETAIN	WELL NO.
6707	6758	D		80	25
DEVIATION RECORD			DEPTH	DEVIATION	DIRECTION
9	10	1	2	2	
10	11	1	5	5	
11	12	1	6	6	
12	1	1	6	6	
1	2	1	6	6	
2	3	1	6	6	
3	4	1	6	6	

DAY TOUR	8:00	A.M.	4:00
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DANIEL MARTINEZ	8
DREMAN		TOM STEGALL	8
MTRMAN		BRUCE HENCKY	8
FIREMAN		JOSEPH J. CARE	8
FLRMAN		ALFONSO RODRIGUEZ	8
FRANET		No Acc	
NO. OF DAYS	SINCE LAST LOST THE ACCIDENT		

NO.	DRILLING ASSEMBLY (1st and 2nd string)	BIT RECORD	MUD RECORD
1	1. BHA 35.44	BIT NO. 29	TIME 12.00
3	3. BHA 14.41	SIZE 8 1/2	4.00
9	9. BHA 272.51	TYPE V. S. 7	9.6
2	2. BHA 3.37	SIZE 10 1/2	9.6
16	16. BHA 482.66	TYPE V. S. 7	
TOTAL			

FOOTAGE	NO. OF LINES	CORE NO.	FORMATION (FROM CORE RECOVERY)	RETAIN	WELL NO.
6758	6771	C		80	25
DEVIATION RECORD			DEPTH	DEVIATION	DIRECTION
4	5	1	6	6	
5	6	1	6	6	
6	7	1	6	6	
7	8	1	6	6	
8	9	1	6	6	
9	10	1	6	6	
10	11	1	6	6	
11	12	1	6	6	

DAY TOUR	4:00	P.M.	12:00
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. CRAMER JR	8
DREMAN		F.C. SIMPSON	8
MTRMAN		H.E. BROS	8
FIREMAN		G.K. BYERLY	8
FLRMAN		B.J. SCHLICHTER	8
FRANET		No Acc	
NO. OF DAYS	SINCE LAST LOST THE ACCIDENT		

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FORM 40627

IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED



APPROVED

No. 40627

No. 40628

DAILY DRILLING REPORT REPORT NO.

TEAM Kennacott	WELL NO. 2-19	API WELL NUMBER	DATE 1-6-86
OPERATOR Bechtel D.O.E.	CONTRACTOR Cleveland		RIG NO. 6
SIGNATURE OF OPERATOR REPRESENTATIVE <i>[Signature]</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>		

NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1	STAND BY		
2	SHOULDER UP		
3	RELAY DOWN		
4	TOTAL		
5	WT. OF STROKES		

NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1	STAND BY		
2	SHOULDER UP		
3	RELAY DOWN		
4	TOTAL		
5	WT. OF STROKES		

NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1	STAND BY		
2	SHOULDER UP		
3	RELAY DOWN		
4	TOTAL		
5	WT. OF STROKES		

FIELD NO. Salton Sea	COUNTY Imperial	STATE Ca
SIZE 9 7/8	W.C. NO. C-95	NO. OF TUBES 47
FEET 28	WT. 6000	

FOOTAGE	FORMATION	DEVIATION RECORD
6771		
12	1 Lay down Casing barrel	
1	2 BIT - open ended to Cement	
2	3 BIT	
3	4 BIT	
4	5 5-12 Cement	
5	6 5-12 Cement + POW-Mix LCM P.H.	
6	7 5-12 Cement + POW-Mix LCM P.H.	
7	8 5-12 Cement + POW-Mix LCM P.H.	

FOOTAGE	FORMATION	DEVIATION RECORD
6771		
8	9 5-6 CIRC + RMP LCM P.H. 1/2 POW 1/2	
9	10 1/2 6- POW 1/2	
10	11	
11	12	
12	1	
1	2	
2	3	
3	4	

FOOTAGE	FORMATION	DEVIATION RECORD

DRILLING CREW PAYROLL DATA
DATE: **1-6-86**
WELL NAME & NO: **Kennacott State 2-19**
COMPANY: **Bechtel D.O.E.**
TOOL PUSHER: **J.M. Gardner** RIG NO. **6**

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dahagsh	8
DRAWER		V.D. Hudson	8
STEWARD		A. Swank	8
FIREMAN		B. Lortin	8
FLAMAN		J. Carr	8
FLAMAN		No Acc.	
TRAMM			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATIAS	8
DRAWER		EC. SINGLETON	8
STEWARD		BRUCE HEAVY	8
FIREMAN		TOM STEWELL	8
FLAMAN		ARMANDO RODRIGUEZ	8
FLAMAN		NO ACC.	
TRAMM		ARMANDO RODRIGUEZ	
		PARKED RIG 12:10 P.M.	

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRAWER			
STEWARD		WATCHMAN	
FIREMAN		H.E. RIFES	8
FLAMAN			
FLAMAN			
TRAMM			

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IAADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 40628

No. 40629

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** WELL NO. **2-14** API WELL NUMBER **1-7-85** DATE
 OPERATOR **Bechtel & D.O.E.** CONTRACTOR **Cleveland** RIG NO. **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **L.W. Rich** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **B. M. ...**
 1-7-86

PROPERTY **Saltan Sea** COUNTY **Imperial** STATE **Ca**
 SURFACE RECORD
 WELL NO. _____
 DATE _____
 DEPTH _____
 DIRECTION _____

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (1st and 2nd hour)		BIT RECORD		MUD RECORD	
NO.	OPERATION	MORN.	DAY	EVE.	BY	PT.	BY	PT.	TIME
1.	NO. UP AND TRIP DOWN								WEIGHT
2.	DRILL ACTUAL								FREQUENCY
3.	WEARING								WEARING
4.	CORING								WEARING
5.	CONDITIONING								WEARING
6.	TRIPS								WEARING
7.	LUBRICATE DR								WEARING
8.	REPAIR DR								WEARING
9.	DRILL LOG								WEARING
10.	DEVIATION SURVEY								WEARING
11.	WIRE LINE LOSS								WEARING
12.	DRIP CATCH								WEARING
13.	CONCRETE								WEARING
14.	TRIP UP								WEARING
15.	TEST R.P.P.								WEARING
16.	DRILL STOP TEST								WEARING
17.	PLAN BACK								WEARING
18.	WORKER CURRENT								WEARING
19.	POWERS								WEARING
20.	DRILL WIRE								WEARING
21.	TESTING								WEARING
22.	ADDITIONAL								WEARING
TOTALS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	

FOOTAGE		FORMATION (SHOW CORE RECOVERY)		DEVIATION RECORD	
FROM	TO	NO. OF CORES	CORE NO.	DEPTH	DEV.
12:00	9:00	8			
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Dry Watch					

DRILLING CREW PAYROLL DATA
 DATE **1-7-86**
 WELL NAME & NO. **Kennecott State 2-14**
 COMPANY **Bechtel & D.O.E.**
 TOOL PUSHER **Tom Stagg** RIG NO. **6**

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (1st and 2nd hour)		BIT RECORD		MUD RECORD	
NO.	OPERATION	MORN.	DAY	EVE.	BY	PT.	BY	PT.	TIME
1.	NO. UP AND TRIP DOWN								WEIGHT
2.	DRILL ACTUAL								FREQUENCY
3.	WEARING								WEARING
4.	CORING								WEARING
5.	CONDITIONING								WEARING
6.	TRIPS								WEARING
7.	LUBRICATE DR								WEARING
8.	REPAIR DR								WEARING
9.	DRILL LOG								WEARING
10.	DEVIATION SURVEY								WEARING
11.	WIRE LINE LOSS								WEARING
12.	DRIP CATCH								WEARING
13.	CONCRETE								WEARING
14.	TRIP UP								WEARING
15.	TEST R.P.P.								WEARING
16.	DRILL STOP TEST								WEARING
17.	PLAN BACK								WEARING
18.	WORKER CURRENT								WEARING
19.	POWERS								WEARING
20.	DRILL WIRE								WEARING
21.	TESTING								WEARING
22.	ADDITIONAL								WEARING
TOTALS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	

FOOTAGE		FORMATION (SHOW CORE RECOVERY)		DEVIATION RECORD	
FROM	TO	NO. OF CORES	CORE NO.	DEPTH	DEV.
8:00	4:00	8			
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS DRY WATCH					

MORNING TOUR **12:00** P.M. **2:00** A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dabars	8
DRAWER			
WIREMAN			
FIREMAN			
FLSHAN			
FLSHAN			
FLSHAN			
TRAMP			

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (1st and 2nd hour)		BIT RECORD		MUD RECORD	
NO.	OPERATION	MORN.	DAY	EVE.	BY	PT.	BY	PT.	TIME
1.	NO. UP AND TRIP DOWN								WEIGHT
2.	DRILL ACTUAL								FREQUENCY
3.	WEARING								WEARING
4.	CORING								WEARING
5.	CONDITIONING								WEARING
6.	TRIPS								WEARING
7.	LUBRICATE DR								WEARING
8.	REPAIR DR								WEARING
9.	DRILL LOG								WEARING
10.	DEVIATION SURVEY								WEARING
11.	WIRE LINE LOSS								WEARING
12.	DRIP CATCH								WEARING
13.	CONCRETE								WEARING
14.	TRIP UP								WEARING
15.	TEST R.P.P.								WEARING
16.	DRILL STOP TEST								WEARING
17.	PLAN BACK								WEARING
18.	WORKER CURRENT								WEARING
19.	POWERS								WEARING
20.	DRILL WIRE								WEARING
21.	TESTING								WEARING
22.	ADDITIONAL								WEARING
TOTALS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	

FOOTAGE		FORMATION (SHOW CORE RECOVERY)		DEVIATION RECORD	
FROM	TO	NO. OF CORES	CORE NO.	DEPTH	DEV.
4:00	12:00	8			
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Dry Watch					

DAY TOUR _____ P.M. _____ A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRAWER			
WIREMAN			
FIREMAN		Tom Stagg	8
FLSHAN			
FLSHAN			
FLSHAN			
TRAMP			

No. 40630

DAILY DRILLING REPORT REPORT NO.

WELL NO.			API WELL NUMBER			DATE					
2-14			K-14			1-8-86					
OPERATOR			CONTRACTOR			COUNTY			STATE		
Kennecott			Cleveland Drilling Co.			Imperial			Ca		
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S TOOL PUSHER					
D.W. Buch 1-8-86						Willard Nishel					
V. D. HUDSON			D. VAN TESSA			DRILLER			DRILLING CREW PAYROLL DATA		
DATE 1-8-86			WELL NAME & NO. Kennecott State 2-14			COMPANY Bechtel & Oge			TOOL PUSHER Nishel		
RIG NO. 6			MORNING TOUR 12:00			P.M. 3:00			A.M.		
CREW			SOC. SEC. NO.			NAME			HRS.		
DRILLER						V. D. HUDSON			8		
DRESSMAN											
FIREMAN											
FLRMAN											
FLRMAN											
TRAMER											
NO. OF DAYS			SINCE LAST LOST TIME ACCIDENT								
DAY TOUR			8:00			A.M. 11:00			P.M.		
CREW			SOC. SEC. NO.			NAME			HRS.		
DRILLER						DAVID MATHIAS			8		
DRESSMAN											
FIREMAN											
FLRMAN											
FLRMAN											
TRAMER											
NO. OF DAYS			SINCE LAST LOST TIME ACCIDENT								
EVENING TOUR			4:00			P.M. 12:00			P.M.		
CREW			SOC. SEC. NO.			NAME			HRS.		
DRILLER						D. VAN TESSA			8		
DRESSMAN											
FIREMAN											
FLRMAN											
FLRMAN											
TRAMER											
NO. OF DAYS			SINCE LAST LOST TIME ACCIDENT								

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	SIZE	WT.	TYPE	TIME	WEIGHT
1	2 1/2	30				
2	2 1/2	30				
3	2 1/2	30				
4	2 1/2	30				
5	2 1/2	30				
6	2 1/2	30				
7	2 1/2	30				
8	2 1/2	30				
9	2 1/2	30				
10	2 1/2	30				
11	2 1/2	30				
12	2 1/2	30				
13	2 1/2	30				
14	2 1/2	30				
15	2 1/2	30				
16	2 1/2	30				
17	2 1/2	30				
18	2 1/2	30				
19	2 1/2	30				
20	2 1/2	30				
21	2 1/2	30				
22	2 1/2	30				
23	2 1/2	30				
24	2 1/2	30				
25	2 1/2	30				
26	2 1/2	30				
27	2 1/2	30				
28	2 1/2	30				
29	2 1/2	30				
30	2 1/2	30				
31	2 1/2	30				
32	2 1/2	30				
33	2 1/2	30				
34	2 1/2	30				
35	2 1/2	30				
36	2 1/2	30				
37	2 1/2	30				
38	2 1/2	30				
39	2 1/2	30				
40	2 1/2	30				

FOOTAGE		BL-S	CORR. COEFF.	FORMATION (SHOW CORE RECOVERY)			RESTART DATE	FT. ON HEAD	PUMP PRESS.	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			NO. OF DAYS	DEPT.	DEV.						

FOOTAGE		BL-S	CORR. COEFF.	FORMATION (SHOW CORE RECOVERY)			RESTART DATE	FT. ON HEAD	PUMP PRESS.	PUMP NO.	PUMP NO.	METHOD RUN
FROM	TO			NO. OF DAYS	DEPT.	DEV.						

PRINTED IN U.S.A.



APPROVED

IADC-API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED



APPROVED No. 40630

No. 40631

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14 **API WELL NUMBER** **DATE** 1-9-86

OPERATOR Kennecott **CONTRACTOR** Cleveland Drilling Co. **WELL NAME & NO.** Kennecott STATE 2-14

SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Rinch **SIGNATURE OF CONTRACTOR'S TOOL PUSHER** Willard Neckel **COMPANY** Beckley + D&G

TOOL PUSHER'S NAME Willard Neckel **RIG NO.** 6

WELL DEPTH 1-9-86

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (at end of hour)		BIT RECORD		MUD RECORD	
DRILLING	TRIP	CONNECTING PIPE	OTHER	NO.	DEPT	PT.	DEPT	TIME	
1	1	0	0	1 1/2"	00	P1	00	WEIGHT	
2	1	0	0	1 1/2"	00	P1	00	PRESSURE GRADIENT	
3	1	0	0	1 1/2"	00	P1	00	WEIGHT	
4	1	0	0	1 1/2"	00	P1	00	WEIGHT	
5	1	0	0	1 1/2"	00	P1	00	WEIGHT	
6	1	0	0	1 1/2"	00	P1	00	WEIGHT	
7	1	0	0	1 1/2"	00	P1	00	WEIGHT	
8	1	0	0	1 1/2"	00	P1	00	WEIGHT	
9	1	0	0	1 1/2"	00	P1	00	WEIGHT	
10	1	0	0	1 1/2"	00	P1	00	WEIGHT	
11	1	0	0	1 1/2"	00	P1	00	WEIGHT	
12	1	0	0	1 1/2"	00	P1	00	WEIGHT	
13	1	0	0	1 1/2"	00	P1	00	WEIGHT	
14	1	0	0	1 1/2"	00	P1	00	WEIGHT	
15	1	0	0	1 1/2"	00	P1	00	WEIGHT	
16	1	0	0	1 1/2"	00	P1	00	WEIGHT	
17	1	0	0	1 1/2"	00	P1	00	WEIGHT	
18	1	0	0	1 1/2"	00	P1	00	WEIGHT	
19	1	0	0	1 1/2"	00	P1	00	WEIGHT	
20	1	0	0	1 1/2"	00	P1	00	WEIGHT	

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (at end of hour)		BIT RECORD		MUD RECORD	
DRILLING	TRIP	CONNECTING PIPE	OTHER	NO.	DEPT	PT.	DEPT	TIME	
1	1	0	0	1 1/2"	00	P1	00	WEIGHT	
2	1	0	0	1 1/2"	00	P1	00	PRESSURE GRADIENT	
3	1	0	0	1 1/2"	00	P1	00	WEIGHT	
4	1	0	0	1 1/2"	00	P1	00	WEIGHT	
5	1	0	0	1 1/2"	00	P1	00	WEIGHT	
6	1	0	0	1 1/2"	00	P1	00	WEIGHT	
7	1	0	0	1 1/2"	00	P1	00	WEIGHT	
8	1	0	0	1 1/2"	00	P1	00	WEIGHT	
9	1	0	0	1 1/2"	00	P1	00	WEIGHT	
10	1	0	0	1 1/2"	00	P1	00	WEIGHT	
11	1	0	0	1 1/2"	00	P1	00	WEIGHT	
12	1	0	0	1 1/2"	00	P1	00	WEIGHT	
13	1	0	0	1 1/2"	00	P1	00	WEIGHT	
14	1	0	0	1 1/2"	00	P1	00	WEIGHT	
15	1	0	0	1 1/2"	00	P1	00	WEIGHT	
16	1	0	0	1 1/2"	00	P1	00	WEIGHT	
17	1	0	0	1 1/2"	00	P1	00	WEIGHT	
18	1	0	0	1 1/2"	00	P1	00	WEIGHT	
19	1	0	0	1 1/2"	00	P1	00	WEIGHT	
20	1	0	0	1 1/2"	00	P1	00	WEIGHT	

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY (at end of hour)		BIT RECORD		MUD RECORD	
DRILLING	TRIP	CONNECTING PIPE	OTHER	NO.	DEPT	PT.	DEPT	TIME	
1	1	0	0	1 1/2"	00	P1	00	WEIGHT	
2	1	0	0	1 1/2"	00	P1	00	PRESSURE GRADIENT	
3	1	0	0	1 1/2"	00	P1	00	WEIGHT	
4	1	0	0	1 1/2"	00	P1	00	WEIGHT	
5	1	0	0	1 1/2"	00	P1	00	WEIGHT	
6	1	0	0	1 1/2"	00	P1	00	WEIGHT	
7	1	0	0	1 1/2"	00	P1	00	WEIGHT	
8	1	0	0	1 1/2"	00	P1	00	WEIGHT	
9	1	0	0	1 1/2"	00	P1	00	WEIGHT	
10	1	0	0	1 1/2"	00	P1	00	WEIGHT	
11	1	0	0	1 1/2"	00	P1	00	WEIGHT	
12	1	0	0	1 1/2"	00	P1	00	WEIGHT	
13	1	0	0	1 1/2"	00	P1	00	WEIGHT	
14	1	0	0	1 1/2"	00	P1	00	WEIGHT	
15	1	0	0	1 1/2"	00	P1	00	WEIGHT	
16	1	0	0	1 1/2"	00	P1	00	WEIGHT	
17	1	0	0	1 1/2"	00	P1	00	WEIGHT	
18	1	0	0	1 1/2"	00	P1	00	WEIGHT	
19	1	0	0	1 1/2"	00	P1	00	WEIGHT	
20	1	0	0	1 1/2"	00	P1	00	WEIGHT	

COMPLETION

A. PUMP/IN
B. TAG TRIP
C. WASHING
D. DRAGGING
E. TESTING
F. ABANDON

TOTAL 9 3/8

APPROVED IADC - API OFFICIAL DAILY DRILLING REPORT FORM

WELL DEPTH 1-9-86

FORMATION (SHOW CORE RECOVERY)

FOOTAGE FROM	TO	DEPT. COR. C.	CORE NO.	ROTARY	WELL	PUMP	PUMP	PUMP	METHOD

FORMATION (SHOW CORE RECOVERY)									
FOOTAGE FROM	TO	DEPT. COR. C.	CORE NO.	ROTARY	WELL	PUMP	PUMP	PUMP	METHOD
12.00	8.00								
DEV. WAT. 8									

FORMATION (SHOW CORE RECOVERY)									
FOOTAGE FROM	TO	DEPT. COR. C.	CORE NO.	ROTARY	WELL	PUMP	PUMP	PUMP	METHOD
8.00	4.00								
DEV. WAT. 8									

FORMATION (SHOW CORE RECOVERY)									
FOOTAGE FROM	TO	DEPT. COR. C.	CORE NO.	ROTARY	WELL	PUMP	PUMP	PUMP	METHOD
12.00									
DEV. WAT. 8									

DRILLING CREW PAYROLL DATA

DATE 1-9-86
WELL NAME & NO. Kennecott STATE 2-14
COMPANY Beckley + D&G
TOOL PUSHER'S NAME Willard Neckel
RIG NO. 6

MORNING TOUR			
DATE	TIME	NAME	HRS.
1-9-86	12:00 P.M.	U.D. Hudson	8

DAY TOUR			
DATE	TIME	NAME	HRS.
		H.F. Ricks	8

EVENING TOUR			
DATE	TIME	NAME	HRS.
		D.V. ANTASSEL	8

APPROVED IADC - API OFFICIAL DAILY DRILLING REPORT FORM

No. 45063

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT STATE	WELL NO. 2-14	API WELL NUMBER	DATE 1-10-86
OPERATOR BECHTEL & D.O.E.	CONTRACTOR CLEVELAND DRILLING CO.	CITY SANDUSKY	STATE OH
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Ruch</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Richard Kuehl</i>	STAFF IMP	STAFF CAL
NO. OF WELLS 5	GRADE 11-10-86	TYPE N-1300	CLASSIFICATION 16"

WIRE LINE RECORD	WELL NO.	NO. LINES	PT. TIPPED
SIZE 1 3/8"	10	10	
FEET ON JOB			
TOOL JOBS OR TRIPS SINCE LAST CUT			
CUMULATIVE TOOLS ON TRIPS			

DRILLING CREW PAYROLL DATA
DATE **1-10-86**
WELL NAME & NO. **KENNECOTT STATE 2-14**
COMPANY **BECHTEL & D.O.E.**
TOOL PUSHER **Richard Kuehl** RID NO. **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
A. OPERATIONS				
B. DRILL ACTUAL				
C. WASHING				
D. CONDUIT				
E. TRIPS				
F. LUBRICANTS ON				
G. REPAIR ON				
H. OTHER				
I. SURVEY				
J. HOSE LINE LOSS				
K. CASING				
L. CEMENT				
M. OTHER				
N. TOTAL				

FOOTAGE	FORMATION	DEVIATION	REMARKS
FROM TO	(SHOW CORE RECOVERY)	DEPTH DEVI. DIRECTION	
12 1			OPEN CHOKE, CHECK WELL PRESSURE, WELL FLOWING.
1 2			SHUT IN WELL W/ J&S P.S. CHOKE, WAIT ON ORDERS
2 3			WAIT ON ORDERS
3 4			
4 5			
5 6			
6 7			
7 8			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DRENNAN		D. VANTASSEL	8
HTERNAH		ROCKY HARRIS	8
FIREMAN		TOM STEWELL	8
FLRMAN			
FLRMAN			
FLRMAN			
TRAINEE			

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	8 1/2" 297	RR	
1	8 1/2" 166	RR	
16	HW 488.66		
62	5 7/8" 591.50		
8	11		
	6910		

FOOTAGE	FORMATION	DEVIATION	REMARKS
FROM TO	(SHOW CORE RECOVERY)	DEPTH DEVI. DIRECTION	
8 9			makeup bit + No. 10 size Rotary Rubber Rinse
9 10	1/2"	6.5	Rinse 1/2 Break Circ
10 11		5	R.H.
11 12		5	Circ
1 2		6	Run in Top Cement @ 6.910 Pullout
2 3		6	Pullout
3 4		6	"

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan JR.	8
DRENNAN		F.C. Singleton	8
HTERNAH		H.E. Ries	8
FIREMAN		L.J. McCarty	8
FLRMAN		B.J. Schwaetzer	8
FLRMAN			
FLRMAN			
TRAINEE			

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
4	5 1/2"		
5	6 1/2"		
6	8 1/2"		
7	8 1/2"		
8	9 1/2"		
9	10 1/2"		
10	11 1/2"		
11	12 1/2"		

FOOTAGE	FORMATION	DEVIATION	REMARKS
FROM TO	(SHOW CORE RECOVERY)	DEPTH DEVI. DIRECTION	
4 5			Drop Down BAP
5 6			
6 7			Change Machine Valve
7 8			Lock Ball (New) re-adjust Valve
8 9			Drop up BAP
9 10			
10 11			
11 12			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		M. Harmon	8
DRENNAN		D. Vantassel	8
HTERNAH		C. Cantrell	8
FIREMAN		B.E. H. H.	8
FLRMAN		R. Harris	8
FLRMAN			
FLRMAN			
TRAINEE			

No. 45064

DAILY DRILLING REPORT REPORT NO.

LEASE KENNEDY STATE WELL NO. 2-14 API WELL NUMBER DATE 1-11-86 OPERATOR BECHTEL + BOE CONTRACTOR CLEVELAND DRILLING CO. SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

WELLSITE: SALTDA SEA IMPERIAL CALIF. TYPE LINE RECORD REEL NO. 9780-95 47 137 28' 6000

DRILLING CREW PATROLL DATA DATE 1-11-86 WELL NAME & NO. KENNEDY STATE #2-14 COMPANY BECHTEL + BOE

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD.

FOOTAGE and DEVIATION RECORD TABLES with columns for FROM, TO, FEET, INCHES, and DEPTH.

MORNING TOUR and CREW TABLE with columns for CREW, SOC. SEC. NO., NAME, and HRS.

NO. 1000 R.P.M. and NO. 1200 R.P.M. TABLES with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD.

FOOTAGE and DEVIATION RECORD TABLES for the second section.

DAY TOUR and CREW TABLE for the second section.

NO. 1200 R.P.M. and NO. 1400 R.P.M. TABLES with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD.

FOOTAGE and DEVIATION RECORD TABLES for the third section.

EVENING TOUR and CREW TABLE for the third section.

No. 45065

DAILY DRILLING REPORT REPORT NO.

LEASE: KENNECOTT - STATE; WELL NO: 2-14; DATE: 1-12-86; OPERATOR: RECHTEL + D.O.E.; CONTRACTOR: CLEVELAND DRILLING CO.

Signature of Operator's Representative: R.W. Riech; Signature of Contractor's Tool Pusher: Richard Muehl; Well No: 6

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1. MONITOR, 2. LOGGING, 3. PUMP, etc.

Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1. MONITOR, 2. LOGGING, 3. PUMP, etc.

Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1. MONITOR, 2. LOGGING, 3. PUMP, etc.

TOTALS: 68; PRINTED IN U.S.A.; IADC - API OFFICIAL DAILY DRILLING REPORT FORM

WELL LINE RECORD: SIZE 9 5/8, INCHES; WEIGHT 9.5; DEPTH 47; FEET; SET AT 28; 6000; PUMP NO. 1; PUMP NO. 2

FORMATION (IRON CORE RECOVERY) table with columns for FOOTAGE, DEPTH, DIR., DIRECTION, etc. Includes entries for 1. 12' 1' 5' FILL HOLE, 2. 12' 2' 1' 5' MIX MUD, etc.

FORMATION (IRON CORE RECOVERY) table with columns for FOOTAGE, DEPTH, DIR., DIRECTION, etc. Includes entries for 1. 12' 11' 11' 2' 8" 402' silica flour + 1/2" Prichite, 2. 12' 10' 1' 6' 402' silica flour + 1/2" Prichite, etc.

FORMATION (IRON CORE RECOVERY) table with columns for FOOTAGE, DEPTH, DIR., DIRECTION, etc. Includes entries for 1. 12' 9' 1' 6' 402' silica flour + 1/2" Prichite, 2. 12' 8' 1' 6' 402' silica flour + 1/2" Prichite, etc.

DRILLING CREW PATROLL DATA: DATE: 1-12-86; WELL NAME & NO.: KENNECOTT-STATE # 214; COMPANY: RECHTEL + D.O.E.

MORNING TOUR 12:00 P.M. 3:00 A.M. table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members DAVID MATHIS, DAVID TREVARTHEN, etc.

EVENING TOUR 8:00 A.M. 4:00 P.M. table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members W.C. Croner JR, F.C. Singleton, etc.

EVENING TOUR 7 P.M. 12 P.M. table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members R. Hillman, D. Winters, etc.

APPROVED [Signature] APPROVED [Signature] No. 45065

No. 45067

DAILY DRILLING REPORT REPORT NO.

WELL NAME: KENNEDY - STACE, WELL NO: 2-14, DATE: 1-14-86

OPERATOR: BECHTEL + D.O.E., CONTRACTOR: CLEVELAND DRILLING CO.

LOCATION OF OPERATOR'S REPRESENTATIVE: S.W. Rich, SIGNATURE OF CONTRACTOR'S TOOL PISHER: Willard Nickel

Table with columns: S.P. BEZ, WT./FT., GRADE, TOOL JT. O.D., TYPE, THREAD, STANDING HOLES, PUMP NO., PUMP MANUFACTURER, TYPE, SIZE

FIELD NO. SALTON, COUNTY IMPERIAL, STATE CALIF., DRILL LINE RECORD, WELL NO. 10, DATE: 1-14-86

DRILLING CREW PAYROLL DATA, DATE: 1-14-86, WELL NAME & NO. KENNEDY - STACE #2-14

TIME DISTRIBUTION - HOURS table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD

FOOTAGE table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

FOOTAGE table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

FOOTAGE table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

CREW table with columns: CREW, SOC. SEC. NO., NAME, HRS.

CREW table with columns: CREW, SOC. SEC. NO., NAME, HRS.

CREW table with columns: CREW, SOC. SEC. NO., NAME, HRS.

No. 45068

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14 API WELL NUMBER DATE 1-15-86
 OPERATOR KEANNECOTT-STATE CONTRACTOR CLEVELAND DRILLING CO.
 SIGNATURE OF OPERATOR'S REPRESENTATIVE *A.W. Rich* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *Walter Virel*
 SIGNATURE OF CONTRACTOR'S REPRESENTATIVE *Walter Virel* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *Walter Virel*

WELL OR CITY: SALTON SEA COUNTY: IMPERIAL STATE: CALIF.
 SIZE: 7 3/8 IN. HOLE: 10 IN. DEPTH TO LAST CUT: 28' 6000
 LAST CORING LOG: 7 3/8 C-95 47 137 - 28' 6000

DRILLING CREW PAYROLL DATA
 DATE: 1-15-86
 WELL NAME & NO.: KEANNECOTT-STATE 2-14
 COMPANY: BECHTEL S.D. 95
 TOOL PUSHER: *Walter Virel* *Walter Virel*

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
1. PREP AND CLEAN UP				
2. DRILLING	44			
3. MENDING	6			
4. CORING				
5. CLEANING UP	5			
6. MENDING	3			
7. LUBRICATE BIT	1			
8. SUPPLY BIT				
9. CLEAN LINE				
10. REVISIONS				
11. TIME LINE LOG				
12. CLEAN				
13. TIME OF DAY				
14. TOTAL	68			

FOOTAGE	FORMATION	REMARKS
4889		
12	1	LAY DOWN CORE BBL, MOVE HW, R.I.H. (OPEN ENDED)
1	2	R.I.H.
2	3	R.I.H., HW ON TOP 1/2 CIRC. MIX L.M. PILL 1/2 (FULL RETURN)
3	4	MIX L.M. PILL + 38 BACKS CUT, SPOT @ 6773'
4	5	PULL TO SHOE 1/2 CIRC. 1/2
5	6	CIRC @ SHOE
6	7	"
7	8	"

MORNING TOUR	P.M. TOUR	A.M.
12:00	8:00	
DRILLER	DAVID MATHIS	8
DRAWER	DAVID TREVARLIEN	8
MTRMAN	BRUCE HENRY	8
FIREMAN	TOM SICGALL	8
FLRMAN	ARMANDO RODRIGUEZ	8
FLRMAN		
FLRMAN		
FRAME		
	NO ACC.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
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FOOTAGE	FORMATION	REMARKS
4889		
8	9	1 5 CIRC @ SHOE WAS
9	10	1 13 W.D.C.
10	11	1 13 " "
11	12	1 13 " "
12	1	1 1/2 1/2 1/2 1/2 1/2 1/2 P.O.H
1	2	1 6 Pullant
2	3	1 6 Pick up. monal Chang Bit. Run in. Dc
3	4	1 6 Pick up Jars

MORNING TOUR	P.M. TOUR	A.M.
8:00	12:00	
DRILLER	W.E. Cronan JR.	8
DRAWER	F.C. Singleton	8
MTRMAN	H.E. Ries	8
FIREMAN	L.J. McCarthy	8
FLRMAN	B.J. Schlachter	8
FLRMAN		
FLRMAN		
FRAME		

NO.	DRILLING ASSEMBLY	BIT RECORD	MWD RECORD
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100			

FOOTAGE	FORMATION	REMARKS
84		
6887	6923	D Claystone
11	5	1 6 R.I.H. - Slow
5	6	1 6 R.I.H.
6	7	1 6 3-1 R.I.H. top Cement @ 6640 1/2 Drill out Cement to 6670
7	8	1 6 3-2 R.I.H. + Room @ 6880 To 6889 2 Drill
8	9	1 2 Drill
9	10	1 2 Drill
10	11	1 2 Drill
11	12	1 2 Drill

MORNING TOUR	P.M. TOUR	A.M.
9:00	12:00	
DRILLER	P. Dehgan	8
DRAWER	D.D. Hudson	8
MTRMAN	R. Sweet	8
FIREMAN	B. Martin	8
FLRMAN	J. Carr	8
FLRMAN		
FLRMAN		
FRAME	No Acc.	

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED No. 45068

No. 45069

DAILY DRILLING REPORT REPORT NO.

LEAS: KEANE COTT - STATE; WELL NO: 2-14; API WELL NUMBER: 1-16-86; OPERATOR: BECHTEL & D.O.E.; CONTRACTOR: CLEVELAND DRILLING CO.; SIGNATURE OF OPERATOR'S REPRESENTATIVE: A.W. Blich; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: W.M. Gardner

WIRE LINE RECORD: SIZE 9 5/8, MAKE C-95, WT. & GR. 47, NO. OF JOBS 137, FEET 28, NET AT 6000; FORMATION: CLAYSTONE; ROTARY RATE: 34/100, PUMP PAGES: 25, 500, 6, 7, 10, 5

DRILLING CREW PAYROLL DATA: DATE: 1-16-86; WELL NAME & NO: KEANE COTT - STATE # 2-14; COMPANY: BECHTEL & D.O.E.; TOOL PUSHER: W.M. Gardner; RIG NO.: 6

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD. Includes rows for 1. DRILL ACTUAL, 2. DRILL ACTUAL, 3. DRILL ACTUAL, etc.

FOOTAGE table with columns for FROM, TO, FORMATION, ROTARY RATE, PUMP PAGES, PUMP NO. 1, PUMP NO. 2, METHOD RUN. Includes rows for 6973, 7100, 7109, 7143.

CREW table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: DAVID MATHIS, DAVID TREVATHEN, BOUCE MANDRY, IDAL SILEGALL, ARMANDO RODRIGUEZ.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD. Includes rows for 1. DRILL ACTUAL, 2. DRILL ACTUAL, etc.

FOOTAGE table (continued) with columns for FROM, TO, FORMATION, ROTARY RATE, PUMP PAGES, PUMP NO. 1, PUMP NO. 2, METHOD RUN. Includes rows for 7109, 7143, 7156.

CREW table (continued) with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: R.A. Heaman, D. Vanasse, C. Canteloff, E.F. Hoff, P. Hobbs.

TIME DISTRIBUTION - HOURS table (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MUD RECORD. Includes rows for 1. DRILL ACTUAL, 2. DRILL ACTUAL, etc.

FOOTAGE table (continued) with columns for FROM, TO, FORMATION, ROTARY RATE, PUMP PAGES, PUMP NO. 1, PUMP NO. 2, METHOD RUN. Includes rows for 7143, 7156, 7163.

CREW table (continued) with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: R. Dabosh, V.D. Hudson, R. Smack, B. Exline, J. Carr.

No. 45070

DAILY DRILLING REPORT REPORT NO.

DATE	WELL NO	API WELL NUMBER	DATE
1-17-86	210		1-17-86
OPERATOR	CONTRACTOR	RIG NO	
Signature of Operator's Representative	Signature of Contractor's Tool Pusher	6	
R.P. SIZE	W.T. FT.	GRAB	TOOL JO. O.D.
3	13.5	L	6 1/2
TYPE THREAD	STRONG	PUMP NO.	PUMP MANUFACTURER
LI	159	1	NATIONAL
TYPE	LEADER		
W-1200	16		

WIRE LINE RECORD	REFL. NO.
WIRE LINE	210
WIRE LINE RECORD	REFL. NO.
WIRE LINE	210
WIRE LINE RECORD	REFL. NO.
WIRE LINE	210

DRILLING CREW PAYROLL DATA	
DATE	1-17-86
WELL NAME & NO.	ALANESCOTT STATE 210
COMPANY	BETHLEHEM
TOOL PUSHER	W. J. Hudson
RIG NO.	6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	WID RECORD
1. DRILLING	1	30.00	2.77	12 4 8
2. RIG UP	1	30.00	30.00	3.8 8.8 8.8
3. RIG DOWN	1	30.00	30.00	27 27 27
4. TOTAL	3	90.00	90.00	43.6 36.6 36.6

FOOTAGE	FORMATION	DEVIATION RECORD
7163 TO 7300	CLAYSTONE	
7196	CLAYSTONE	DEPTH 12, 1, 2, 3, 4, 5, 6, 7
7300	CLAYSTONE	

MORNING TOUR	CREW	NAME	HRS.
12:00 - 8:00	DRILLER	DAVID MAHIS	8
	DRESSMAN	DAVID TRIVANTILLA	8
	STEWARD	BARCE MANDAY	8
	FLUEMAN	JOY SICKALL	8
	FLUEMAN	ARMANDO DOMINGUEZ	8
	FLUEMAN		
	TRAINEE		
		NO Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	WID RECORD
1	210	2.77	12 4 8
2	210	30.00	3.8 8.8 8.8
3	210	30.00	27 27 27

FOOTAGE	FORMATION	DEVIATION RECORD
7300 TO 7313	CLAYSTONE	
7300	CLAYSTONE	DEPTH 12, 1, 2, 3, 4, 5, 6, 7
7313	CLAYSTONE	

DAY TOUR	CREW	NAME	HRS.
8:00 - 4:00	DRILLER	R.A. Heaman	8
	DRESSMAN	D. Vantassel	8
	STEWARD	C. Cantrell	8
	FLUEMAN	E. E. Hoff	8
	FLUEMAN	R. Harris	8
	FLUEMAN		
	TRAINEE		
		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	WID RECORD
1	210	1.00	3.1 8.2
2	210	31.98	13.8 21.0
3	210	36.51	34.1 21.0
4	210	34.12	31.1 21.0
5	210	1.68	1.6 8.2
6	210	6.32	6.3 8.2
7	210	3.73	3.7 8.2
8	210	10.92	10.9 8.2

FOOTAGE	FORMATION	DEVIATION RECORD
7313 TO 7313	CLAYSTONE	
7313	CLAYSTONE	DEPTH 12, 1, 2, 3, 4, 5, 6, 7
7313	CLAYSTONE	

EVENING TOUR	CREW	NAME	HRS.
4:00 - 12:00	DRILLER	R. Dabagosh	8
	DRESSMAN	D. Hudson	8
	STEWARD	R. Swank	8
	FLUEMAN	B. Forcia	8
	FLUEMAN	J. Carr	8
	FLUEMAN		
	TRAINEE		
		No Acc.	

No. 45071

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State, WELL NO: 2-14, DATE: 1-18-86, OPERATOR: Bechtel/DOE, CONTRACTOR: Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. Glick, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: M. Gardner

FIELD OR DIST: Salton Sea, COUNTY: Imperial, STATE: Calif, SIZE: 95/8, MAKE: C-95, WT. & DR. 47, INS. JOINTS: 137, FEET: 28, DIA TO CHG. NO.: 6000, RET AT: 10

DRILLING CREW PAYROLL DATA: DATE: 1-18-86, WELL NAME & NO: Kennecott State 2-14, COMPANY: Bechtel/DOE, TOOL PUSHER: M. Gardner, RIG NO: 6

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, SPD RECORD. Includes rows for 1st, 2nd, and 3rd shifts.

Table with columns: FOOTAGE, CORE NO., FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD. Includes data for 7313 and 7356.

Table with columns: MORNING TOUR, CREW, SOC. SEC. NO., NAME, HRS. Includes crew members like W.E. Cronan, F.C. Singleton, H.E. Ries, B.J. Schlachter, A.W. Stout.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, SPD RECORD. Includes rows for 4th, 5th, and 6th shifts.

Table with columns: FOOTAGE, CORE NO., FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD. Includes data for 7356 and 7391.

Table with columns: DAY TOUR, CREW, SOC. SEC. NO., NAME, HRS. Includes crew members like R.A. Herman, D. Vantassel, C. Bontecchi, E.E. Hoff, R. Haddis.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, SPD RECORD. Includes rows for 7th, 8th, and 9th shifts.

Table with columns: FOOTAGE, CORE NO., FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD. Includes data for 7391 and 7432.

Table with columns: EVENING TOUR, CREW, SOC. SEC. NO., NAME, HRS. Includes crew members like R. Dahesh, U.D. Hudson, R. Swank, B. Feahn, J. Carr.

No. 45072

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State WELL NO 2-14 API WELL NUMBER DATE 1-19-86
 OPERATOR Bochtel Doe CONTRACTOR Cleveland RIG NO. 6
 SIGNATURE OF OPERATOR'S REPRESENTATIVE [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER [Signature]
 DATE 1-19-86 PUMP NO. 1 PUMP MANUFACTURER Natural TYPE N1300 SERIAL 16
 PUMP NO. 2 PUMP MANUFACTURER Natural TYPE N1500 SERIAL 16

FOOTAGE 15 FORMATION Claystone Sandstone RETARY PIPE 1 3/4 FT. ON BIT 10 PUMP PRESS. 10 PUMP NO. 1 10 PUMP NO. 2 10
 FROM 7432 TO 7547 CORE NO. D (IRON CORE RECOVERY) PUMP NO. 1 10 PUMP NO. 2 10
 DEVIATION RECORD DEPTH 7414 DIR. 52 DIRECTION 503W DEPTH 7478 DIR. 52 DIRECTION 507E
 DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS Acc. OK Com. OK Fuel 52

DRILLING CREW PAYROLL DATA DATE 1-19-86
 WELL NAME & NO. Kennecott State 2-14
 COMPANY Bochtel Doe
 TOOL PUSHER [Signature] RIG NO. 6

NO.	DRILLING ASSEMBLY (Last used bit)	BIT RECORD	MJD RECORD
1	1 Mand 31.98	BIT NO. <u>AP35</u>	TIME <u>8:40</u>
2	2 BHA 13.83	SIZE <u>8 1/2</u>	PRELIMS GRADE <u>T</u>
3	3 BHA 365.57	TYPE <u>V.527</u>	VTC. SEC. <u>T</u>
4	4 BHA 3.75	API SPEC. <u>1616/16</u>	PVP. <u>T</u>
5	5 BHA 9.27	SER. NO. <u>6948</u>	CELLS <u>T</u>
6	6 BHA 34.12	DEPTH OUT <u>7547</u>	IN. OCT. <u>T</u>
7	7 XO 1.68	DEPTH IN <u>7356</u>	IN. <u>T</u>
8	8 HW 632.01	TOTAL PFD <u>131</u>	SOL. G. <u>T</u>
9	9 BHA 1092.40	TOTAL PFD <u>9</u>	STRENGTH <u>T</u>
10	10 BHA 6945.57	STRENGTH <u>1</u>	STRENGTH <u>1</u>
11	11 BHA 40	STRENGTH <u>3</u>	STRENGTH <u>3</u>
12	12 BHA 7547	STRENGTH <u>3</u>	STRENGTH <u>3</u>
13	13 BHA 226000	STRENGTH <u>1</u>	STRENGTH <u>1</u>

FOOTAGE	FORMATION (IRON CORE RECOVERY)	RETARY PIPE	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	IN. ON BIT
7432 - 7547	Claystone Sandstone	1 3/4	10	10	10	10	10
7547 - 7570	Claystone Sandstone	1 3/4	10	10	10	10	10
7570 - 7577	Claystone Sandstone	1 3/4	10	10	10	10	10

MORNING TOUR	P.M.	A.M.
12:00	8:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		W.E. Cronan JR
DRAWER		F.C. Singleton
MTRMAN		H.E. Ries
FIREMAN		B.J. Schluchter
FLRMAN		A.W. Stout
FLRMAN		
FLRMAN		
TRAMER		

NO.	DRILLING ASSEMBLY (Last used bit)	BIT RECORD	MJD RECORD
1	1 Mand 31.98	BIT NO. <u>AP35</u>	TIME <u>8:00</u>
2	2 BHA 13.83	SIZE <u>8 1/2</u>	PRELIMS GRADE <u>T</u>
3	3 BHA 365.57	TYPE <u>V.527</u>	VTC. SEC. <u>T</u>
4	4 BHA 3.75	API SPEC. <u>1616/16</u>	PVP. <u>T</u>
5	5 BHA 9.27	SER. NO. <u>6948</u>	CELLS <u>T</u>
6	6 BHA 34.12	DEPTH OUT <u>7547</u>	IN. OCT. <u>T</u>
7	7 XO 1.68	DEPTH IN <u>7356</u>	IN. <u>T</u>
8	8 HW 632.01	TOTAL PFD <u>131</u>	SOL. G. <u>T</u>
9	9 BHA 1092.40	TOTAL PFD <u>9</u>	STRENGTH <u>T</u>
10	10 BHA 6945.57	STRENGTH <u>1</u>	STRENGTH <u>1</u>
11	11 BHA 40	STRENGTH <u>3</u>	STRENGTH <u>3</u>
12	12 BHA 7547	STRENGTH <u>3</u>	STRENGTH <u>3</u>
13	13 BHA 226000	STRENGTH <u>1</u>	STRENGTH <u>1</u>

FOOTAGE	FORMATION (IRON CORE RECOVERY)	RETARY PIPE	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	IN. ON BIT
7547 - 7570	Claystone Sandstone	1 3/4	10	10	10	10	10
7570 - 7577	Claystone Sandstone	1 3/4	10	10	10	10	10
7577 - 7578	Claystone Sandstone	1 3/4	10	10	10	10	10

DAY TOUR	P.M.	A.M.
8:00	12:00	4:00
CREW	SOC. SEC. NO.	NAME
DRILLER		R.A. Heaman
DRAWER		D. Kuntzsch
MTRMAN		C. Cantagoff
FIREMAN		E.F. Hoff
FLRMAN		R. Hobbs
FLRMAN		
FLRMAN		
TRAMER		

NO.	DRILLING ASSEMBLY (Last used bit)	BIT RECORD	MJD RECORD
1	1 Mand 31.98	BIT NO. <u>AP35</u>	TIME <u>4:00</u>
2	2 BHA 13.83	SIZE <u>8 1/2</u>	PRELIMS GRADE <u>T</u>
3	3 BHA 365.57	TYPE <u>V.527</u>	VTC. SEC. <u>T</u>
4	4 BHA 3.75	API SPEC. <u>1616/16</u>	PVP. <u>T</u>
5	5 BHA 9.27	SER. NO. <u>6948</u>	CELLS <u>T</u>
6	6 BHA 34.12	DEPTH OUT <u>7547</u>	IN. OCT. <u>T</u>
7	7 XO 1.68	DEPTH IN <u>7357</u>	IN. <u>T</u>
8	8 HW 632.01	TOTAL PFD <u>131</u>	SOL. G. <u>T</u>
9	9 BHA 1092.40	TOTAL PFD <u>9</u>	STRENGTH <u>T</u>
10	10 BHA 6945.57	STRENGTH <u>1</u>	STRENGTH <u>1</u>
11	11 BHA 40	STRENGTH <u>3</u>	STRENGTH <u>3</u>
12	12 BHA 7547	STRENGTH <u>3</u>	STRENGTH <u>3</u>
13	13 BHA 226000	STRENGTH <u>1</u>	STRENGTH <u>1</u>

FOOTAGE	FORMATION (IRON CORE RECOVERY)	RETARY PIPE	FT. ON BIT	PUMP PRESS.	PUMP NO. 1	PUMP NO. 2	IN. ON BIT
7577 - 7578	Claystone Sandstone	1 3/4	10	10	10	10	10
7578 - 7579	Claystone Sandstone	1 3/4	10	10	10	10	10
7579 - 7580	Claystone Sandstone	1 3/4	10	10	10	10	10
7580 - 7581	Claystone Sandstone	1 3/4	10	10	10	10	10

EVENING TOUR	P.M.	A.M.
4:00	12:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		R. Dagherish
DRAWER		V.D. Hudson
MTRMAN		A. Swank
FIREMAN		B. Fortin
FLRMAN		J. Carr
FLRMAN		
FLRMAN		
TRAMER		

No. 45074

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14 DATE 1-21-86
 OPERATOR BECHTEL/DOE CONTRACTOR CLEVELAND
 SIGNATURE OF OPERATOR REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

WELL LINE RECORD
 WIRELINE RECORD
 WIRELINE RECORD
 WIRELINE RECORD

DRILLING CREW PAYROLL DATA
 DATE 1-21-86
 WELL NAME & NO. KENNEBOT STATE 2-14
 COMPANY BECHTEL/DOE

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY				BIT RECORD				MUD RECORD			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		FORMATION		ROTARY		PUMP		PUMP		PUMP	
7734	7734	CLAYSTONE	CLAYSTONE	1000	1000	1000	1000	1000	1000	1000	1000
DEVIATION RECORD											
DETAILS OF OPERATIONS IN REGULARITY AND REMARKS											
Acc. ok. Com. ok. Fuel 4/1											

MORNING TOUR 12:00 P.M. 8:00 A.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. E. CRONAM	8
DRAWER		F. C. SINGLETON	8
STEWARD		H. E. RIES	8
FLUEMAN		B. J. SCHLUCHTER	8
FLUEMAN		A. W. STOUT	8

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY				BIT RECORD				MUD RECORD			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		FORMATION		ROTARY		PUMP		PUMP		PUMP	
7754	7759	CLAYSTONE & SANDSTONE	CLAYSTONE & SANDSTONE	1000	1000	1000	1000	1000	1000	1000	1000
DEVIATION RECORD											
DETAILS OF OPERATIONS IN REGULARITY AND REMARKS											
CLEAN OUT SUNCTION											

DAY TOUR 8 A.M. 7 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		RA HERMAN	8
DRAWER		O. VANTASSAL	8
STEWARD		C. CARTER/1	8
FLUEMAN		E. E. HOFF	8
FLUEMAN		R. HOODS	8

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY				BIT RECORD				MUD RECORD			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

FOOTAGE		FORMATION		ROTARY		PUMP		PUMP		PUMP	
7759	7789	CLAYSTONE - SANDSTONE	CLAYSTONE - SANDSTONE	1000	1000	1000	1000	1000	1000	1000	1000
DEVIATION RECORD											
DETAILS OF OPERATIONS IN REGULARITY AND REMARKS											
ACCUM. & C.O.M. OK.											

EVENING TOUR 4:00 P.M. 12:00 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHEIS	8
DRAWER		DAVID TORRENTINO	8
STEWARD		SAVON HENRY	8
FLUEMAN		TOM STEWART	8
FLUEMAN		ARMANDO RODRIGUEZ	8

No. 45075

DAILY DRILLING REPORT

OPERATOR **KENNECOT STATE** REPORT NO. **2-11**

WELL NO. **2-11** API WELL NUMBER

CONTRACTOR **BECHTEL/DOE**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **S.W. [Signature]**

CONTRACTOR **CLEVELAND DRUG CO**

SIGNATURE OF CONTRACTOR'S TOOL PUSHER **[Signature]**

DATE **1-22-86**

TIME DISTRIBUTION - HOURS

NO.	DRILLING	GENERAL	TRIP	AND RECORD
1	20.00	3.00	0.00	0.00
2	20.00	3.00	0.00	0.00
3	20.00	3.00	0.00	0.00
4	20.00	3.00	0.00	0.00
5	20.00	3.00	0.00	0.00

BIT RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	0	8 1/2	30	TRIP	
2	1	8 1/2	30	TRIP	
3	2	8 1/2	30	TRIP	
4	3	8 1/2	30	TRIP	
5	4	8 1/2	30	TRIP	
6	5	8 1/2	30	TRIP	
7	6	8 1/2	30	TRIP	
8	7	8 1/2	30	TRIP	
9	8	8 1/2	30	TRIP	
10	9	8 1/2	30	TRIP	

AND RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	10	8 1/2	30	TRIP	
2	11	8 1/2	30	TRIP	
3	12	8 1/2	30	TRIP	
4	13	8 1/2	30	TRIP	
5	14	8 1/2	30	TRIP	
6	15	8 1/2	30	TRIP	
7	16	8 1/2	30	TRIP	
8	17	8 1/2	30	TRIP	
9	18	8 1/2	30	TRIP	
10	19	8 1/2	30	TRIP	

WELL NO. **2-11** DATE **1-22-86**

CONTRACTOR **CLEVELAND DRUG CO**

SIGNATURE OF CONTRACTOR'S TOOL PUSHER **[Signature]**

DATE **1-22-86**

TIME DISTRIBUTION - HOURS

NO.	DRILLING	GENERAL	TRIP	AND RECORD
1	20.00	3.00	0.00	0.00
2	20.00	3.00	0.00	0.00
3	20.00	3.00	0.00	0.00
4	20.00	3.00	0.00	0.00
5	20.00	3.00	0.00	0.00

BIT RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	0	8 1/2	30	TRIP	
2	1	8 1/2	30	TRIP	
3	2	8 1/2	30	TRIP	
4	3	8 1/2	30	TRIP	
5	4	8 1/2	30	TRIP	
6	5	8 1/2	30	TRIP	
7	6	8 1/2	30	TRIP	
8	7	8 1/2	30	TRIP	
9	8	8 1/2	30	TRIP	
10	9	8 1/2	30	TRIP	

AND RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	10	8 1/2	30	TRIP	
2	11	8 1/2	30	TRIP	
3	12	8 1/2	30	TRIP	
4	13	8 1/2	30	TRIP	
5	14	8 1/2	30	TRIP	
6	15	8 1/2	30	TRIP	
7	16	8 1/2	30	TRIP	
8	17	8 1/2	30	TRIP	
9	18	8 1/2	30	TRIP	
10	19	8 1/2	30	TRIP	

WELL NO. **2-11** DATE **1-22-86**

CONTRACTOR **CLEVELAND DRUG CO**

SIGNATURE OF CONTRACTOR'S TOOL PUSHER **[Signature]**

DATE **1-22-86**

TIME DISTRIBUTION - HOURS

NO.	DRILLING	GENERAL	TRIP	AND RECORD
1	20.00	3.00	0.00	0.00
2	20.00	3.00	0.00	0.00
3	20.00	3.00	0.00	0.00
4	20.00	3.00	0.00	0.00
5	20.00	3.00	0.00	0.00

BIT RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	0	8 1/2	30	TRIP	
2	1	8 1/2	30	TRIP	
3	2	8 1/2	30	TRIP	
4	3	8 1/2	30	TRIP	
5	4	8 1/2	30	TRIP	
6	5	8 1/2	30	TRIP	
7	6	8 1/2	30	TRIP	
8	7	8 1/2	30	TRIP	
9	8	8 1/2	30	TRIP	
10	9	8 1/2	30	TRIP	

AND RECORD

NO.	DEPTH	DIAMETER	WEIGHT	TYPE	REMARKS
1	10	8 1/2	30	TRIP	
2	11	8 1/2	30	TRIP	
3	12	8 1/2	30	TRIP	
4	13	8 1/2	30	TRIP	
5	14	8 1/2	30	TRIP	
6	15	8 1/2	30	TRIP	
7	16	8 1/2	30	TRIP	
8	17	8 1/2	30	TRIP	
9	18	8 1/2	30	TRIP	
10	19	8 1/2	30	TRIP	

No. 45077

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott STATE 2-14 WELL NO. 1-24-86 DATE 1-24-86
OPERATOR Bechtel D.O.E. CONTRACTOR Cleveland
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Rich SIGNATURE OF CONTRACTOR'S TOOL PUSHER Willard Nickel
RIG NO. 6

FORESIGHT Soltau Sigs IMPACTAL STATE ColIF
SIZE 9 3/8 GRADE C-95 WT. 47 LENGTH 137 FEET 286000 SET AT 286000
LAST CHANGE ON LINE
OTHER LINE RECORD
WELL LINE RECORD
TOOL OR TROUBLE SINCE LAST CUT
CUMULATIVE TOOL OR TROUBLE

DRILLING CREW PAYROLL DATA
DATE 1-24-86
WELL NAME & NO. Kennecott state 2-14
COMPANY Bechtel D.O.E.
TOOL PUSHER Willard Nickel RIG NO. 6

THIS DISTRIBUTION - JOORS

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	HWA 2085	25 42	
2	HWA 2085	78 42	
3	HWA 3158	3158 42	
4	HWA 3158	3158 42	
5	HWA 3158	3158 42	
6	HWA 6120	6120 7972	
7	BHA 10821	10821 7972	
8	BHA 6963	6963 7972	
9	BHA 6963	6963 7972	
10	BHA 6963	6963 7972	

THIS DISTRIBUTION - JOORS

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	HWA 2085	25 43	
2	HWA 2085	25 43	
3	HWA 3158	3158 43	
4	HWA 3158	3158 43	
5	HWA 3158	3158 43	
6	HWA 6120	6120 7972	
7	BHA 10821	10821 7972	
8	BHA 6963	6963 7972	
9	BHA 6963	6963 7972	
10	BHA 6963	6963 7972	

THIS DISTRIBUTION - JOORS

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	HWA 2085	25 47	
2	HWA 2085	25 47	
3	HWA 3158	3158 47	
4	HWA 3158	3158 47	
5	HWA 3158	3158 47	
6	HWA 6120	6120 8017	
7	BHA 10821	10821 8017	
8	BHA 6963	6963 8017	
9	BHA 6963	6963 8017	
10	BHA 6963	6963 8017	

FOOTAGE 900 TO 1200

NO.	TIME	DEVIATION
1	12 1	6 POH
2	12 2	6 POH
3	12 3	6 Lay Down steady Reamer Pick up Turb
4	12 4	6 make up Bit + Kishuk Run in
5	12 5	6 Run in
6	12 6	6 Break circ 1/2 Slip Line 50' Depth @ 600 7972
7	12 7	6 Run in
8	12 8	6 Break Reamer @ 7940 107972

FOOTAGE 800 TO 900

NO.	TIME	DEVIATION
1	9 1	2 10-2 Orig turb drill 2 turb drill
2	9 2	2 turb drill
3	9 3	2 10-2 Turb @ 8017 2 turb drill
4	9 4	2 turb drill
5	9 5	2 POH
6	9 6	2 POH
7	9 7	2 POH - change bits
8	9 8	2 POH

FOOTAGE 100 TO 200

NO.	TIME	DEVIATION
1	10 1	8 BAND STONE - SLAN STONE
2	10 2	8 BAND STONE - SLAN STONE
3	10 3	8 BAND STONE - SLAN STONE
4	10 4	8 BAND STONE - SLAN STONE
5	10 5	8 BAND STONE - SLAN STONE
6	10 6	8 BAND STONE - SLAN STONE
7	10 7	8 BAND STONE - SLAN STONE
8	10 8	8 BAND STONE - SLAN STONE
9	10 9	8 BAND STONE - SLAN STONE
10	10 10	8 BAND STONE - SLAN STONE

MORNING TOUR 12:00 P.M. 8:00 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan JR.	8
DREMAN		P.C. Singleton	8
STRIPPER		H.T. Ries	8
FLANKER		B.J. Schlachter	8
FLANKER		A.W. Stout	8

EVENING TOUR 7:00 P.M. 5:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		P. Dagher	8
DREMAN		V.D. Hudson	8
STRIPPER		R. Swank	8
FLANKER		B. Fortin	8
FLANKER		J. Carr	8

EVENING TOUR 7:00 P.M. 5:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DREMAN		DAVID TRIVARTHEA	8
STRIPPER		MUCE. HANNAN	8
FLANKER		JIM GIBBELL	8
FLANKER		ARMANDO RODRIGUEZ	8

No. 45078

DAILY DRILLING REPORT REPORT NO.

Header section containing well information: OPERATOR (Kearney State 2-14), WELL NO. (R-11), API WELL NUMBER, DATE (1-25-86), CONTRACTOR (Cleveland State Co), RIG NO. (76), SIGNATURE OF OPERATOR'S REPRESENTATIVE (S.W. Pritch), SIGNATURE OF CONTRACTOR'S TOOL PUSHER (Durland Muehl), and pump specifications.

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. It details various operations like drilling, tripping, and connections, with associated times and measurements.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Continuation of the drilling log, detailing further operations and measurements.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Continuation of the drilling log, detailing further operations and measurements.

Form containing well logs and formation data: FOOTAGE (29), FORMATION (Claystone, Sandstone), and various well parameters like depth, direction, and pump specifications.

Table with columns: DEVIATION RECORD, DEPTH, DEV., DIRECTION, and LOG RECORD. It tracks the well's deviation from the vertical, including depth, deviation, and direction.

Table with columns: DEVIATION RECORD, DEPTH, DEV., DIRECTION, and LOG RECORD. Continuation of the deviation log, detailing further measurements and observations.

Table with columns: DEVIATION RECORD, DEPTH, DEV., DIRECTION, and LOG RECORD. Continuation of the deviation log, detailing further measurements and observations.

Form for DRILLING CREW PAYROLL DATA: DATE (1-25-86), WELL NAME & NO. (Kearney State 2-14), COMPANY (Buckley & Co), TOOL PUSHER (Durland Muehl), and RIG NO. (76).

Table for MORNING TOUR: Lists crew members (DRILLER, DREMAN, STEERMAN, FIREMAN, FLIGHTMAN, FRAME) and their names and hours for the morning shift.

Table for DAY TOUR: Lists crew members and their names and hours for the day shift.

Table for EVENING TOUR: Lists crew members and their names and hours for the evening shift.

No. 45080

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14 API WELL NUMBER DATE 1-27-86 CONTRACTOR Willard Nickel

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD. Includes rows for 1. DRILLING, 2. MWD, 3. MWD, 4. MWD, 5. MWD.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD. Includes rows for 6. MWD, 7. MWD, 8. MWD, 9. MWD, 10. MWD.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MWD RECORD. Includes rows for 11. MWD, 12. MWD, 13. MWD, 14. MWD, 15. MWD.

WELL LINE RECORD WEL NO. 11012 WEL DEPTH 11012 FT. PERMIT LENGTH 11012

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 1. 8126, 2. 8126, 3. 8126, 4. 8126, 5. 8126.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 6. 8126, 7. 8126, 8. 8126, 9. 8126, 10. 8126.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD. Includes rows for 11. 8126, 12. 8126, 13. 8126, 14. 8126, 15. 8126.

DRILLING CREW PAYROLL DATA DATE 1-27-86 WELL NAME & NO. Kennebec State 2-4

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: R.A. Hartman, D. VanArsdel, C. Contant, E.S. Hall, R. Harkis.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: R. Daharsh, V.D. Hudson, R. Swank, B. Fortin, J. Carr.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: DAVID MANNING, DAVID TREMBLAY, DAVID MANNING, DICK STANLEY, ARMANDO MARRAS.

No. 45081

DAILY DRILLING REPORT REPORT NO.

LEASE Kearney State	WELL NO. 2-14	API WELL NUMBER	DATE 1-28-86
OPERATOR Bachtel & Coe	CONTRACTOR Cleveland Well Co.	WELL NO. # 6	
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Bush	SIGNATURE OF CONTRACTOR'S TOOL PUSHER Walden Nuckell	WELL NO. # 6	
WELL NO. # 6	WELL NO. # 6	WELL NO. # 6	WELL NO. # 6

FIELD OR DIST. Saline	COUNTY Madison	STATE Ill	WIRE LINE RECORD WELL NO.
SECTION 940 C-95	TWP. & R. 47 137	NE. 1/4 20	PT. LOGS
DATE 1-28-86	TIME 8:00	DEPTH 20'	PERCENT LENGTH

DRILLING CREW PAYROLL DATA
DATE **1-28-86**
WELL NAME & NO. **Kearney State 2-14**
COMPANY **Bachtel & Coe**
TOOL PUSHER **Walden Nuckell** WEL NO. # **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1. DRILLING	1	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
2. CONNECTION	2	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
3. TRIP	3	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
4. OTHER	4	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
TOTAL	10	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"

FOOTAGE	FORMATION	REMARKS
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.H. Herman	8
DREMAN		D. Vantassel	8
STEWARD		C. Cantrell	8
FIREMAN		E.F. Hoff	8
FLIGHT		R. Hurdie	8
TRAMM		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
2	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
3	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
4	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
5	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"

FOOTAGE	FORMATION	REMARKS
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dahgash	8
DREMAN		V.D. Hudson	8
STEWARD		R. Swank	8
FIREMAN		B. Fortin	8
FLIGHT		J. Carr	8
TRAMM		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
2	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
3	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
4	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"
5	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"	12 1/2" 12 1/2" 12 1/2"

FOOTAGE	FORMATION	REMARKS
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"
12 1/2" 12 1/2" 12 1/2"	Chert of Sandstone	12 1/2" 12 1/2" 12 1/2"

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cramer Jr	8
DREMAN		F.C. Slaughter	8
STEWARD		H.E. Rigs	8
FIREMAN		B.P. Slaughter	8
FLIGHT		A.W. Slout	8
TRAMM		No Acc.	

No. 45083

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State WELL NO. 2-14 API WELL NUMBER DATE 1-30-86 OPERATOR Kennecott State CONTRACTOR Cleveland Well Co. SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS. TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD. Includes rows for 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5, 13.5, 14.5, 15.5, 16.5, 17.5, 18.5, 19.5, 20.5, 21.5, 22.5, 23.5, 24.5, 25.5, 26.5, 27.5, 28.5, 29.5, 30.5, 31.5, 32.5, 33.5, 34.5, 35.5, 36.5, 37.5, 38.5, 39.5, 40.5, 41.5, 42.5, 43.5, 44.5, 45.5, 46.5, 47.5, 48.5, 49.5, 50.5, 51.5, 52.5, 53.5, 54.5, 55.5, 56.5, 57.5, 58.5, 59.5, 60.5, 61.5, 62.5, 63.5, 64.5, 65.5, 66.5, 67.5, 68.5, 69.5, 70.5, 71.5, 72.5, 73.5, 74.5, 75.5, 76.5, 77.5, 78.5, 79.5, 80.5, 81.5, 82.5, 83.5, 84.5, 85.5, 86.5, 87.5, 88.5, 89.5, 90.5, 91.5, 92.5, 93.5, 94.5, 95.5, 96.5, 97.5, 98.5, 99.5, 100.5.

TIME DISTRIBUTION - HOURS. TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD. Includes rows for 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5, 13.5, 14.5, 15.5, 16.5, 17.5, 18.5, 19.5, 20.5, 21.5, 22.5, 23.5, 24.5, 25.5, 26.5, 27.5, 28.5, 29.5, 30.5, 31.5, 32.5, 33.5, 34.5, 35.5, 36.5, 37.5, 38.5, 39.5, 40.5, 41.5, 42.5, 43.5, 44.5, 45.5, 46.5, 47.5, 48.5, 49.5, 50.5, 51.5, 52.5, 53.5, 54.5, 55.5, 56.5, 57.5, 58.5, 59.5, 60.5, 61.5, 62.5, 63.5, 64.5, 65.5, 66.5, 67.5, 68.5, 69.5, 70.5, 71.5, 72.5, 73.5, 74.5, 75.5, 76.5, 77.5, 78.5, 79.5, 80.5, 81.5, 82.5, 83.5, 84.5, 85.5, 86.5, 87.5, 88.5, 89.5, 90.5, 91.5, 92.5, 93.5, 94.5, 95.5, 96.5, 97.5, 98.5, 99.5, 100.5.

TIME DISTRIBUTION - HOURS. TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and MID RECORD. Includes rows for 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5, 13.5, 14.5, 15.5, 16.5, 17.5, 18.5, 19.5, 20.5, 21.5, 22.5, 23.5, 24.5, 25.5, 26.5, 27.5, 28.5, 29.5, 30.5, 31.5, 32.5, 33.5, 34.5, 35.5, 36.5, 37.5, 38.5, 39.5, 40.5, 41.5, 42.5, 43.5, 44.5, 45.5, 46.5, 47.5, 48.5, 49.5, 50.5, 51.5, 52.5, 53.5, 54.5, 55.5, 56.5, 57.5, 58.5, 59.5, 60.5, 61.5, 62.5, 63.5, 64.5, 65.5, 66.5, 67.5, 68.5, 69.5, 70.5, 71.5, 72.5, 73.5, 74.5, 75.5, 76.5, 77.5, 78.5, 79.5, 80.5, 81.5, 82.5, 83.5, 84.5, 85.5, 86.5, 87.5, 88.5, 89.5, 90.5, 91.5, 92.5, 93.5, 94.5, 95.5, 96.5, 97.5, 98.5, 99.5, 100.5.

SIZE, NAME, WT. & GR., NO. JOINTS, FEET, etc. TABLE with columns for SIZE, NAME, WT. & GR., NO. JOINTS, FEET, etc.

FOOTAGE 87. TABLE with columns for FROM, TO, CODE NO., FORMATION, etc. Includes rows for 8166, 8265, 0, etc.

FOOTAGE 110. TABLE with columns for FROM, TO, CODE NO., FORMATION, etc. Includes rows for 8265, 8375, 2, etc.

FOOTAGE 20. TABLE with columns for FROM, TO, CODE NO., FORMATION, etc. Includes rows for 8375, 8395, 0, etc.

DRILLING CREW PATROLL DATA. DATE 1-30-86. WELL NAME & NO. Kennecott State 2-14. COMPANY Kennecott State. TOOL PUSHER P. M. Gardner. RIG NO. 6.

MORNING TOUR 12 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes rows for Dr. Heaman, D. Venturini, C. Cantrell, E. S. Hoff, R. Haddad.

EVENING TOUR 4:00 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes rows for DAVID MARINIS, DAVID TREVAKICHEN, BRUCE HENDRY, TOM STEARL, ARMANDO RODRIGUEZ.

EVENING TOUR 4:00 P.M. TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes rows for W.F. Crown Jr, F.C. Sipleman, H.C. Ries, B.J. Schlaefter, A.W. Stout.

No. 45084

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Kennecott State</i>	WELL NO. <i>2-14</i>	API WELL NUMBER	DATE <i>1-31-86</i>
OPERATOR <i>Bechtel & DOE</i>	CONTRACTOR <i>Chapman Drilling Co</i>	RIG NO. <i>86</i>	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Orlich</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>R. M. Gardner</i>	
D.P. NO. <i>1-31-86</i>	BRAND <i>RT 6</i>	TOOL BIT NO. <i>67</i>	TYPE THREAD <i>1 1/2 x 1 1/2</i>
SIZE <i>1 1/2</i>	TYPE THREAD <i>1 1/2 x 1 1/2</i>	STAMP NO. <i>107</i>	PUMP MANUFACTURER <i>National</i>
			TYPE <i>1000</i>
			PISTON <i>16"</i>

WELL OR BIT <i>Silver Sea</i>	COUNTRY <i>Algeria</i>	STATE <i>Algiers</i>	TYPE LINE RECORD WELL NO.
DATE <i>1-31-86</i>	WELL NO. <i>990</i>	WELL DEPTH <i>2-25</i>	WELL LENGTH <i>10</i>
WELL NAME <i>990</i>	WELL DEPTH <i>2-25</i>	WELL LENGTH <i>10</i>	WELL DEPTH <i>10</i>
WELL NAME <i>990</i>	WELL DEPTH <i>2-25</i>	WELL LENGTH <i>10</i>	WELL DEPTH <i>10</i>

DRILLING CREW PAYROLL DATA

DATE *1-31-86*

WELL NAME & NO. *Kennecott State 2-14*

COMPANY *Bechtel & DOE*

TOOL PUSHER *R. M. Gardner*

RIG NO. *86*

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1. DRILLING	1	RT 6	RT 6	1200 300 700
2. MUD PUMP	2	RT 6	RT 6	
3. MUD PUMP	3	RT 6	RT 6	
4. MUD PUMP	4	RT 6	RT 6	
5. MUD PUMP	5	RT 6	RT 6	
6. MUD PUMP	6	RT 6	RT 6	
7. MUD PUMP	7	RT 6	RT 6	
8. MUD PUMP	8	RT 6	RT 6	
9. MUD PUMP	9	RT 6	RT 6	
10. MUD PUMP	10	RT 6	RT 6	
11. MUD PUMP	11	RT 6	RT 6	
12. MUD PUMP	12	RT 6	RT 6	
13. MUD PUMP	13	RT 6	RT 6	
14. MUD PUMP	14	RT 6	RT 6	
15. MUD PUMP	15	RT 6	RT 6	
16. MUD PUMP	16	RT 6	RT 6	
17. MUD PUMP	17	RT 6	RT 6	
18. MUD PUMP	18	RT 6	RT 6	
19. MUD PUMP	19	RT 6	RT 6	
20. MUD PUMP	20	RT 6	RT 6	
21. MUD PUMP	21	RT 6	RT 6	
22. MUD PUMP	22	RT 6	RT 6	
23. MUD PUMP	23	RT 6	RT 6	
24. MUD PUMP	24	RT 6	RT 6	
25. MUD PUMP	25	RT 6	RT 6	
26. MUD PUMP	26	RT 6	RT 6	
27. MUD PUMP	27	RT 6	RT 6	
28. MUD PUMP	28	RT 6	RT 6	
29. MUD PUMP	29	RT 6	RT 6	
30. MUD PUMP	30	RT 6	RT 6	

FOOTAGE	NO.	FORMATION	DEPTH	NO.	FORMATION	DEPTH
7	1	Cherty Sandstone	0-10	1	Cherty Sandstone	0-10
7	2	Cherty Sandstone	10-20	2	Cherty Sandstone	10-20
7	3	Cherty Sandstone	20-30	3	Cherty Sandstone	20-30
7	4	Cherty Sandstone	30-40	4	Cherty Sandstone	30-40
7	5	Cherty Sandstone	40-50	5	Cherty Sandstone	40-50
7	6	Cherty Sandstone	50-60	6	Cherty Sandstone	50-60
7	7	Cherty Sandstone	60-70	7	Cherty Sandstone	60-70
7	8	Cherty Sandstone	70-80	8	Cherty Sandstone	70-80
7	9	Cherty Sandstone	80-90	9	Cherty Sandstone	80-90
7	10	Cherty Sandstone	90-100	10	Cherty Sandstone	90-100

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		D. H. Gardner	8
DREAN		D. V. Gardner	8
WTRMAN		C. Gardner	8
FIREMAN		E. E. Gardner	8
FLRMAN		R. Gardner	8
TRAMP		No Acc	

NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1	RT 6	RT 6	4
2	RT 6	RT 6	9.6
3	RT 6	RT 6	30
4	RT 6	RT 6	28
5	RT 6	RT 6	2
6	RT 6	RT 6	2
7	RT 6	RT 6	2
8	RT 6	RT 6	2
9	RT 6	RT 6	2
10	RT 6	RT 6	2
11	RT 6	RT 6	2
12	RT 6	RT 6	2
13	RT 6	RT 6	2
14	RT 6	RT 6	2
15	RT 6	RT 6	2
16	RT 6	RT 6	2
17	RT 6	RT 6	2
18	RT 6	RT 6	2
19	RT 6	RT 6	2
20	RT 6	RT 6	2
21	RT 6	RT 6	2
22	RT 6	RT 6	2
23	RT 6	RT 6	2
24	RT 6	RT 6	2
25	RT 6	RT 6	2
26	RT 6	RT 6	2
27	RT 6	RT 6	2
28	RT 6	RT 6	2
29	RT 6	RT 6	2
30	RT 6	RT 6	2

FOOTAGE	NO.	FORMATION	DEPTH	NO.	FORMATION	DEPTH
37	1	CLAYSTONE - SANDSTONE	0-10	1	CLAYSTONE - SANDSTONE	0-10
37	2	CLAYSTONE - SANDSTONE	10-20	2	CLAYSTONE - SANDSTONE	10-20
37	3	CLAYSTONE - SANDSTONE	20-30	3	CLAYSTONE - SANDSTONE	20-30
37	4	CLAYSTONE - SANDSTONE	30-40	4	CLAYSTONE - SANDSTONE	30-40
37	5	CLAYSTONE - SANDSTONE	40-50	5	CLAYSTONE - SANDSTONE	40-50
37	6	CLAYSTONE - SANDSTONE	50-60	6	CLAYSTONE - SANDSTONE	50-60
37	7	CLAYSTONE - SANDSTONE	60-70	7	CLAYSTONE - SANDSTONE	60-70
37	8	CLAYSTONE - SANDSTONE	70-80	8	CLAYSTONE - SANDSTONE	70-80
37	9	CLAYSTONE - SANDSTONE	80-90	9	CLAYSTONE - SANDSTONE	80-90
37	10	CLAYSTONE - SANDSTONE	90-100	10	CLAYSTONE - SANDSTONE	90-100

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DREAN		DAVID TRIVANTHON	8
WTRMAN		BRUCE HENDRY	8
FIREMAN		TOM STEGALL	8
FLRMAN		ARMANDO RODRIGUEZ	8
TRAMP		No Acc	

NO.	DRILLING ASSEMBLY	BIT RECORD	MSD RECORD
1	RT 6	RT 6	8.7
2	RT 6	RT 6	32
3	RT 6	RT 6	37
4	RT 6	RT 6	2
5	RT 6	RT 6	2
6	RT 6	RT 6	2
7	RT 6	RT 6	2
8	RT 6	RT 6	2
9	RT 6	RT 6	2
10	RT 6	RT 6	2
11	RT 6	RT 6	2
12	RT 6	RT 6	2
13	RT 6	RT 6	2
14	RT 6	RT 6	2
15	RT 6	RT 6	2
16	RT 6	RT 6	2
17	RT 6	RT 6	2
18	RT 6	RT 6	2
19	RT 6	RT 6	2
20	RT 6	RT 6	2
21	RT 6	RT 6	2
22	RT 6	RT 6	2
23	RT 6	RT 6	2
24	RT 6	RT 6	2
25	RT 6	RT 6	2
26	RT 6	RT 6	2
27	RT 6	RT 6	2
28	RT 6	RT 6	2
29	RT 6	RT 6	2
30	RT 6	RT 6	2

FOOTAGE	NO.	FORMATION	DEPTH	NO.	FORMATION	DEPTH
144	1	Chert + Sandstone	0-10	1	Chert + Sandstone	0-10
144	2	Chert + Sandstone	10-20	2	Chert + Sandstone	10-20
144	3	Chert + Sandstone	20-30	3	Chert + Sandstone	20-30
144	4	Chert + Sandstone	30-40	4	Chert + Sandstone	30-40
144	5	Chert + Sandstone	40-50	5	Chert + Sandstone	40-50
144	6	Chert + Sandstone	50-60	6	Chert + Sandstone	50-60
144	7	Chert + Sandstone	60-70	7	Chert + Sandstone	60-70
144	8	Chert + Sandstone	70-80	8	Chert + Sandstone	70-80
144	9	Chert + Sandstone	80-90	9	Chert + Sandstone	80-90
144	10	Chert + Sandstone	90-100	10	Chert + Sandstone	90-100

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W. F. Cranon Jr.	8
DREAN		F. C. Singleton	8
WTRMAN		H. E. Rieck	8
FIREMAN		B. J. Schlachter	8
FLRMAN		A. W. Stout	8
TRAMP		No Acc	

No. 45085

DAILY DRILLING REPORT REPORT NO.

WELL NAME **Keaneccatt** WELL NO. **State 2-14** API WELL NUMBER **2-186** DATE **2-1-86**
 OPERATOR **Bechtel D.O.E.** CONTRACTOR **Cleveland Ohio CO.** RIG NO. **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **S.W. Rich 2-1-86** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **W.M. Gardner**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **S.W. Rich 2-1-86** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **W.M. Gardner**

NO.	SIZE	WT. FT.	GRADE	TOOL JT. & B. TYPE	THREAD	STAND NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	LENGTH
1	3"	19.5	E	6 1/4"	J.F.	147	102	National	N-1300	16"
2	3"	19.5	G	6 1/4"	J.F.	123				

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	1 1/2" BHA 322.13	BIT NO. 824	TIME 4:00 4:00 Y.O.D.
2	1 1/2" BHA 365.51	BIT NO. 824	
3	1 1/2" BHA 172.11	BIT NO. 824	
4	1 1/2" BHA 148.11	BIT NO. 824	
5	1 1/2" BHA 572.25	BIT NO. 856	
6	1 1/2" BHA 997.55	BIT NO. 856	

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	1 1/2" BHA 31.42	BIT NO. 812	TIME 9:00 B.L. 15
2	1 1/2" BHA 21.50	BIT NO. 812	TIME 7:00 7:00
3	1 1/2" BHA 365.51	BIT NO. 794	
4	1 1/2" BHA 9.20	BIT NO. 121319	
5	1 1/2" BHA 172.11	BIT NO. 88211	
6	1 1/2" BHA 1.61	BIT NO. 8635	
7	1 1/2" BHA 572.25	BIT NO. 8609	
8	1 1/2" BHA 1019.69	BIT NO. 11111	

PRESENT BIT: **Sutton SEA** COUNTY: **Imperial** STATE: **Ca**
 SIZE: **9 7/8** HWT: **C-95** FT. & IN.: **47** NO. OF TEETH: **137** PART: **R8** RET. TO CUT OFF: **1000**
 LAST CUTTING ON LOGS: **9 7/8**

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	RET. TO CUT OFF	FT. ON BIT	FEET PER MIN.	PUMP NO. 1	PUMP NO. 2	METHOD RUN
9585					600	6"	7" 56 5
1200 1:00	P.O.H.						
1:00 2:00	P.O.H.						
2:00 3:00	P.O.H.						
3:00 4:00	Lay down MC, LC & 5/16						
4:00 5:00	Pick up Core barrel. Make up bit & R.H.						
5:00 6:00	R.H.						
6:00 7:00	R.H.						
7:00 8:00	3-3/8 R.H. Break Circ @ shoe						

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	RET. TO CUT OFF	FT. ON BIT	FEET PER MIN.	PUMP NO. 1	PUMP NO. 2	METHOD RUN
8585 8604	SLATE - SAND STONE				90	8"	7" 90 5
8	1/2-1/2 5-6						
9	1/2-1/2 8						
10	1/2-1/2 1						
11	1/2-1/2 4						
12	1/2-1/2 4-6						
1	1/2-1/2 6						
2	1/2-1/2 6						
3	1/2-1/2 6						

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	RET. TO CUT OFF	FT. ON BIT	FEET PER MIN.	PUMP NO. 1	PUMP NO. 2	METHOD RUN
8604 8635	Chytone + Sandstone				80	35"	1300 8" 99 7" 5
4	1/2-1/2 6						
5	1/2-1/2 6						
6	1/2-1/2 6						
7	1/2-1/2 6						
8	1/2-1/2 5						
9	1/2-1/2 6						
10	1/2-1/2 3						
11	1/2-1/2 5						

DRILLING CREW PAYROLL DATA
 DATE: **2-1-86**
 WELL NAME & NO.: **Keaneccatt STATE 2-14**
 COMPANY: **Bechtel D.O.E.**
 TOOL PUSHER: **W.M. Gardner** RIG NO. **6**

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dabosh	8
DRAWER		U.O. Hudson	8
MTRMAN		R. Swank	8
FIREMAN		B. Fartin	8
FLANMAN		J. Carr	8
FLANMAN		No Acc.	
TRANEI			

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHE	8
DRAWER		DAVID TREVARTHEN	8
MTRMAN		BOYLE HENDRY	8
FIREMAN		TOM OREGALL	8
FLANMAN		ARMANDO RODRIGUEZ	8
FLANMAN			
TRANEI		No Acc.	

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Crowe JR	8
DRAWER		F.C. Simsleten	8
MTRMAN		H.L. Ries	8
FIREMAN		B.J. Schlachter	8
FLANMAN		A.W. Stout	8
FLANMAN			
TRANEI		No Acc.	

PRINTED IN U.S.A.



IADC - API OFFICIAL DAILY DRILLING REPORT FORM



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No. 45085

No. 45086

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14	API WELL NUMBER	DATE 2-2-86
OPERATOR Kennacott	CONTRACTOR Cleveland Drilling	RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Rank 2-2-86		SIGNATURE OF CONTRACTOR'S TOOL PUSHER M. Hardin
B.P. SIZE 3" 19.5 E	GRADE 6 3/4 IF	STRING NO. 172
B.P. SIZE 5" 19.5 G	GRADE 6 3/4 IF	STRING NO. 123

WELL NAME Saban Sea	COUNTRY Imprecial	STATE La.
WELL LINE RECORD 12	REEL NO. 10	PI. SKIPPED
SIZE 3 1/2	NO. OF LOGS 117	PER TO LOG NO. 28' 6000
LAST LOG IN LINE 978 C-8 47	FORMATION (SHOW CORE RECOVERY)	RETAIN SWP 80

DRILLING CREW PAYROLL DATA
DATE 2-2-86
WELL NAME & NO. Kennacott State 2-14
COMPANY Bechtel & D.O.E.
TOOL PUSHER M. Hardin
RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MFD RECORD
1. PREPARE TO DRILL	1	HTC	31.78	48
2. DRILL ACTING	2	HTC	21.50	HTC
3. RUNNING	3	HTC	36.55	J-44
4. STOPPING	4	HTC	9.26	12/13/19
5. LOGGING	5	HTC	17.21	HTC
6. CLEANING	6	HTC	1.68	8660
7. SHUTTING DOWN	7	HTC	5.22.25	8660
8. STORAGE	8	HTC	10.13.44	1 1/2
9. TOTAL	9	HTC	245.000	117

FOOTAGE	NO. OF LOGS	FORMATION	RETAIN SWP	PI. ON BIT	PI. ON LOG	PUMP NO. 1	PUMP NO. 2	WELL LOG
8635' - 8660'	D	5-B-W	80	35	1300	6"	50"	7"

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
12	1	2-5	1/2	Drill & Circ.				
1	2	3-5	10-5	Survey & Pump LCM pill @ 8660'				
2	3	6		P.O.H. to shoe				
3	4	21		Wait on LCM pill				
4	5	21		Wait on LCM pill				
5	6	5		Fill annulus				
6	7	5		Circ @ shoe				
7	8	5		Circ shoe & Mix LCM pill				

MORNING TOUR	NO.	NAME	HRS.
12:00		R. Dabarsch	8
		V.D. Hudson	8
		R. Swank	8
		B. Ladin	8
		J. Carr	8
		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MFD RECORD
1	HTC	78	48
2	HTC	31.78	8 1/2
3	HTC	21.50	HTC
4	HTC	36.55	J-44
5	HTC	9.26	12/13/19
6	HTC	17.21	HTC
7	HTC	1.68	8660
8	HTC	5.22.25	8660
9	HTC	10.13.44	1 1/2
10	HTC	245.000	117

FOOTAGE	NO. OF LOGS	FORMATION	RETAIN SWP	PI. ON BIT	PI. ON LOG	PUMP NO. 1	PUMP NO. 2	WELL LOG
8660' - 8672'	D	5-B-W	80	35	1300	6"	45"	7"

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	9	1	5	CIRC. + MIX LCM PILL @ SHOE (LAST RUNNER)				
9	10	1	6	R.I.H. SHOULDER, BEX. CIRC.				
10	11	1	8	PUMP PILL @ SHOE (BLOOD PUMP)				
11	12	1	2	DRILL @ 8660 (BLOOD PUMP) (UP RETURN)				
12	1	1	2	DRILL TO 8674				
1	2	1	5	MAX. @ SHOE LCM + COMENT PILL				
2	3	1	6	BAR. @ SHOE				
3	4	1	21	WAIT ON LCM + COMENT PILL				

EVENING TOUR	NO.	NAME	HRS.
4:00		DAVID MATHEIS	8
		DAVID TREUERTHEN	8
		BRUCE HENDRY	8
		TONY STEWART	8
		RODRIGUEZ	8
		No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MFD RECORD
1	HTC	78	48
2	HTC	31.78	8 1/2
3	HTC	21.50	HTC
4	HTC	36.55	J-44
5	HTC	9.26	12/13/19
6	HTC	17.21	HTC
7	HTC	1.68	8660
8	HTC	5.22.25	8660
9	HTC	10.13.44	1 1/2
10	HTC	245.000	117

FOOTAGE	NO. OF LOGS	FORMATION	RETAIN SWP	PI. ON BIT	PI. ON LOG	PUMP NO. 1	PUMP NO. 2	WELL LOG
8672' - 8723'	D	5-B-W	80	35	1300	6"	45"	7"

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4	5	1	21	Wait on LCM + Coment Pill				
5	6	1	21	" " " " " "				
6	7	1	21	" " " " " "				
7	8	1	21	" " " " " "				
8	9	1	5	Fill annulus + Circ @ Shoe				
9	10	1/2	6 3/4	Run in 1/2 Fill Pipe + Room @ 8662 to 8672				
10	11	1	2	Drill				
11	12	1/2	2 5/8	" " " " " "				

EVENING TOUR	NO.	NAME	HRS.
4:00		W.S. Crane, JR.	8
		F.C. Singletta	8
		H.E. RIES	8
		B.J. Schlichter	8
		A.W. Stout	8
		No Acc.	

No. 45087

DAILY DRILLING REPORT REPORT NO.

WELL NAME: Kennecott, WELL NO.: 2-14, API WELL NUMBER: 8-3-76, OPERATOR: Bechtel D.O.E., CONTRACTOR: Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. Bush, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: W.M. Bunker

BIT RECORD: 5" 19.5 E, 6 1/2" 1 F, 14 1/2" 1 F, 18 1/2" 1 F

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MSD RECORD. Includes rows for 1 MC, 5 MC, 10 MC, 15 MC, 18 MC, 19 MC.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MSD RECORD. Includes rows for 19 MC, 20 MC, 21 MC, 22 MC, 23 MC, 24 MC.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MSD RECORD. Includes rows for 25 MC, 26 MC, 27 MC, 28 MC, 29 MC, 30 MC.

STRE LINE RECORD: SIZE 9 3/4, NAME C-95, WT. 4 LB., LENGTH 132, PRESS 28, SET AT 6000

FOOTAGE 77' TABLE: FROM 8723' TO 8800', CODE NO. D, FORMATION: IMPERIAL

DEVIATION RECORD: DEPTH 8723', DEVIATION 3 1/2", DIRECTION S-2-N, DEPTH 8786', DEVIATION 3 1/2", DIRECTION S-7-E

FOOTAGE 7' TABLE: FROM 8800' TO 8807', CODE NO. C, FORMATION: CLAYSTONE-SANDSTONE

DEVIATION RECORD: DEPTH 8800', DEVIATION 6", DIRECTION P.O.M., DEPTH 8807', DEVIATION 7", DIRECTION 40

FOOTAGE 8807' TABLE: FROM 8807' TO 8807', CODE NO. 6", FORMATION: ACC. OK

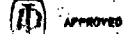
DEVIATION RECORD: DEPTH 8807', DEVIATION 6", DIRECTION ACC. OK, DEPTH 8807', DEVIATION 7", DIRECTION ACC. OK

DRILLING CREW PAYROLL DATA: DATE 2-3-86, WELL NAME & NO. Kennecott State 2-14, COMPANY Bechtel D.O.E., TOOL PUSHER W.M. Bunker

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: R. Daharsh, V.D. Hudson, R. Swank, B. Fortin, J. Carr

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: DAVID MATHEWS, DAVID TRUMPTHEAL, BRUCE HENDRY, TAYLOR ALL, ADRIANUS ANDERSON

Table with columns: CREW, SOC. SEC. NO., NAME, HRS. Includes crew members: W.F. CROOK JR, F.C. SIMPLETON, H.E. BISS, B.J. SCHLUCHTER, A.W. STOUT



IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 45087

No. 45088

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14	API WELL NUMBER	DATE 2-9-86
OPERATOR Kennecott	CONTRACTOR Cleveland	RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Smith 2-4-86	SIGNATURE OF CONTRACTOR'S TOOL PUSHER M. Dandur	
WELL DEPTH 195'	WELL TYPE IF	WELL STATUS 18
WELL GRADE E	WELL TYPE IF	WELL STATUS 18

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	1 NC 31.97	SIZE 8 1/2	TIME 1220
2	5 NC 21.97	SIZE 8 1/2	TIME 1220
3	12 NC 26.51	TYPE V-507	TIME 1220
4	1 NC 9.26	TYPE V-507	TIME 1220
5	1 NC 17.21	TYPE V-507	TIME 1220
6	1 NC 1.88	TYPE V-507	TIME 1220
7	1 HW 512.28	DEPTH IN 8807	TIME 1220
8	BHA 1019.67	TOTAL PTL 1126	TIME 1220
9	1 NC 28.24	TYPE V-507	TIME 1220
10	1 NC 30	TYPE V-507	TIME 1220
11	1 NC 89.21	TYPE V-507	TIME 1220
12	1 NC 25000	TYPE V-507	TIME 1220

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	1 NC 26	SIZE 8 1/2	TIME 1220
2	1 NC 21.97	SIZE 8 1/2	TIME 1220
3	1 NC 21.97	SIZE 8 1/2	TIME 1220
4	1 NC 26.51	TYPE V-507	TIME 1220
5	1 NC 9.26	TYPE V-507	TIME 1220
6	1 NC 17.21	TYPE V-507	TIME 1220
7	1 NC 1.88	TYPE V-507	TIME 1220
8	1 HW 512.28	DEPTH IN 8807	TIME 1220
9	BHA 1019.67	TOTAL PTL 1126	TIME 1220
10	1 NC 28.24	TYPE V-507	TIME 1220
11	1 NC 30	TYPE V-507	TIME 1220
12	1 NC 89.21	TYPE V-507	TIME 1220
13	1 NC 25000	TYPE V-507	TIME 1220

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	1 NC 26	SIZE 8 1/2	TIME 1220
2	1 NC 21.97	SIZE 8 1/2	TIME 1220
3	1 NC 21.97	SIZE 8 1/2	TIME 1220
4	1 NC 26.51	TYPE V-507	TIME 1220
5	1 NC 9.26	TYPE V-507	TIME 1220
6	1 NC 17.21	TYPE V-507	TIME 1220
7	1 NC 1.88	TYPE V-507	TIME 1220
8	1 HW 512.28	DEPTH IN 8807	TIME 1220
9	BHA 1019.67	TOTAL PTL 1126	TIME 1220
10	1 NC 28.24	TYPE V-507	TIME 1220
11	1 NC 30	TYPE V-507	TIME 1220
12	1 NC 89.21	TYPE V-507	TIME 1220
13	1 NC 25000	TYPE V-507	TIME 1220

WELL DEPTH 195'	WELL TYPE IF	WELL STATUS 18
WELL GRADE E	WELL TYPE IF	WELL STATUS 18
WELL STATUS 18	WELL STATUS 18	WELL STATUS 18

FOOTAGE	FORMATION	DEPTH	DEVIATION
8807' 8931' D	Claystone	80 35 1000 6"	7' 40 5
8780' 8807' R		80 35 1000 6"	7' 40 5
8807' 8931' D	Claystone	80 35 1000 6"	7' 40 5
8780' 8807' R		80 35 1000 6"	7' 40 5

FOOTAGE	FORMATION	DEPTH	DEVIATION
8931' 9008' D	CLAYSTONE	80 35 1000 6"	7' 40 5
8931' 9008' D	CLAYSTONE	80 35 1000 6"	7' 40 5

FOOTAGE	FORMATION	DEPTH	DEVIATION
9008' 9015' D	Claystone	80 35 1000 6"	7' 41 5
9008' 9015' D	Claystone	80 35 1000 6"	7' 41 5

DRILLING CREW PATROLL DATA
 DATE **2-4-86**
 WELL NAME & NO. **Kennecott State 2-14**
 COMPANY **Bechtel & D.O.E.**
 TOOL PUSHER **M. Dandur** RIG NO. **6**

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dabarsch	8
DRAWER		V.D. Hudson	8
WIREMAN		R. Spack	8
FIREMAN		B. Fortin	8
FLAMAN		J. Carr	8
FLAMAN		No Acc.	
FRAME		No Acc.	

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DRAWER		DAVID TREWINTEN	8
WIREMAN		BRUCE HANDY	8
FIREMAN		FOR SEGALL	8
FLAMAN		AMANDO RODRIGUEZ	8
FLAMAN			
FRAME		No Acc.	

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.D. Harmon	8
DRAWER		D. Vanterpool	8
WIREMAN		C. Cantrell	8
FIREMAN		E.E. Goff	8
FLAMAN		R. Haskie	8
FLAMAN			
FRAME		No Acc.	

No. 45089

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennacott; WELL NO: 2-14; API WELL NUMBER: ; DATE: 2-5-86; OPERATOR: Bechtel & D.O.E.; CONTRACTOR: Cleveland; SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. Quirk; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: J.M. Anderson

WELL NAME & NO.: Kennacott State; COMPANY: Bechtel & D.O.E.; TOOLS PUSHER: J.M. Anderson; WIRE LINE RECORD: SIZE 1 3/8, NO. LINE 10, PUMP NO. 1, PUMP NO. 2; PORTION LENGTH: 28, 6000

DRILLING CREW PAYROLL DATA; DATE: 2-5-86; WELL NAME & NO.: Kennacott State; COMPANY: Bechtel & D.O.E.; TOOLS PUSHER: J.M. Anderson; MORNING TOUR: 12:00 P.M. 8:00 A.M.

TIME DISTRIBUTION - HOURS; NO. DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; 1 MC 31.44; 5 MC 21.50; 12 MC 265.91; 18 MC 265.91; 19 MW 572.25; 19 MW 572.25

FOOTAGE: 9015' 9027' C; FORMATION: ; DEVIATION RECORD: 12 1 4 Core; 1 2 4 Core; 2 3 4-3 4-6 Core & P.O.H.; 3 4 6 P.O.H.; 4 5 6 P.O.H.; 5 6 6 P.O.H. & Service Core barrel Depth @ 6:00 9027'; 6 7 6 P.O.H. Core barrel down to top Drill Aug 4 1/2 4 1/2; 7 8 6 P.O.H. DRILLER: David Mathis

CREW: DRILLER: R. Dapharsh; DREMAN: V.D. Hudson; MTRMAN: R. Swank; FIREMAN: B. Fortin; FLARMAN: J. Carr; FRAME: No Acc

NO. DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; 1 MC 31.44; 5 MC 21.50; 12 MC 265.91; 18 MC 265.91; 19 MW 572.25; 19 MW 572.25

FOOTAGE: 9027; FORMATION: ; DEVIATION RECORD: 8 9 6 R.L.H.; 9 10 6-5 MEASURE + PICKUP - DR. R.I.M. TO 1/2 BRK SING 1/2; 10 11 6 R.I.M. LAYDOWN - DR. REAM TO BOTTOM (20'); 11 12 5 CIRC. MIX L.G.M. + CMT PILL; 12 1 5-6 CIRC. + RUMPH 1/2 P.O.H. 1/2; 1 2 6-13 R.O.H. TO BRK 1/2 W.C.P. 1/2; 2 3 13 W.C.P.; 4 4 13 W.C.P. DRILLER: David Mathis

CREW: DRILLER: DAVID MATHIS; DREMAN: DAVID KEVATHIA; MTRMAN: BRUCE HANDEY; FIREMAN: TONY STEGALL; FLARMAN: ANTONIO RODRIGUEZ; FRAME: NO ACC.

NO. DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; 1 MC 31.44; 5 MC 21.50; 12 MC 265.91; 18 MC 265.91; 19 MW 572.25; 19 MW 572.25

FOOTAGE: 9027; FORMATION: ; DEVIATION RECORD: 4 5 1 12 W.C.P. P.O.H. DR. FOR ALG BIT; 5 6 1 12 W.C.P. DR. FOR ALG BIT; 6 7 1 12 W.C.P. DR. FOR ALG BIT; 7 8 1 12 W.C.P. DR. FOR ALG BIT; 8 9 1 5 R.I.M. MIX MUD; 9 10 1 5 R.I.M. MIX MUD; 10 11 1 5 R.I.M. MIX MUD; 11 12 1 5 R.I.M. MIX MUD DRILLER: R.A. Herman

CREW: DRILLER: R.A. Herman; DREMAN: D. Vantassel; MTRMAN: C. Cantrell; FIREMAN: E.E. Hall; FLARMAN: R. Headis; FRAME: No Acc.

No. 45090

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14, OPERATOR Kennecott, CONTRACTOR Cleveland, DATE 2-6-86, SIGNATURE OF OPERATOR'S REPRESENTATIVE, SIGNATURE OF CONTRACTOR'S TOOL PUSHER

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1 MC, 5 MC, 12 MC, 14 MC, 19 MC.

Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1 MC, 5 MC, 12 MC, 14 MC, 19 MC.

Table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and LOG RECORD. Includes rows for 1 MC, 5 MC, 12 MC, 14 MC, 19 MC.

WELL LINE RECORD table with columns for SIZE, MAKE, WT. & BL., H.S. JOINTS, FEET, etc.

FORMATION table with columns for FOOTAGE, NO. OF JOINTS, CORE NO., etc. Includes rows for 9027, 9070, 9072.

FORMATION table with columns for FOOTAGE, NO. OF JOINTS, CORE NO., etc. Includes rows for 9070, 9095.

FORMATION table with columns for FOOTAGE, NO. OF JOINTS, CORE NO., etc. Includes rows for 9095, 9098.

DRILLING CREW PAYROLL DATA table with columns for DATE, WELL NAME & NO., COMPANY, TOOL PUSHER, etc.

MORNING TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like R. Dahansh, W.D. Hudson, R. Swank, B. Fortin, J. Carr.

EVENING TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like W.E. Conner, Jr., F.C. Simploton, H.E. Ries, B.J. Schluchter, A.W. Stout.

EVENING TOUR table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names like R.A. Heerman, R. Vantassel, C. Cantrell, E.E. Hoff, P. Hobbis.

No. 45091

DAILY DRILLING REPORT REPORT NO.

OWNER Kinross
WELL NO. 2-14
API WELL NUMBER
DATE 2-7-86
OPERATOR Bechtel + D.O.E.
CONTRACTOR Cleveland
SIGNATURE OF OPERATOR'S REPRESENTATIVE A.W. Burch 2-7-86
SIGNATURE OF CONTRACTOR'S TOOL PUSHER [Signature]
PUMP NO. 132
PUMP MANUFACTURER National
TYPE N-1300
SIZE 16"

WIRE LINE RECORD
SIZE 1 1/2"
NO. LINES 10
WT. PER 1000'
FT. OF COP 28
NO. OF TURNS 1000
TOOL PUSHER [Signature]
COMPLIANT

DRILLING CREW PAYROLL DATA
DATE 2-7-86
WELL NAME & NO. Kinross State 2-14
COMPANY Bechtel + D.O.E.
TOOL PUSHER [Signature]
RIG NO. 6

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	OPERATION	HOURS	DATE	NO.	BIT NO.	DEPTH	NO.	DEPTH	NO.
1	MC	31.48		1	82	31.48			
2	MC	21.50		2	83	52.98			
3	MC	36.01		3	84	88.99			
4	MC	9.26		4	85	98.25			
5	MC	17.21		5	86	115.46			
6	MC	1.68		6	87	117.14			
7	MC	57.25		7	88	174.39			
8	MC	1019.89		8	89	176.07			

FOOTAGE		FORMATION		FORMATION		FORMATION	
FROM	TO	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS
9098'							
Bit Sta. 314.8' to 174.39' DC. 12-11-10-19-86 DEVIATION RECORD 12 1 1 6 P.O.H. 13 2 1 6 P.O.H. 14 3 1 6 P.O.H. 15 4 1 6 Spinnin Core barrel lay care barrel down 16 5 1 6 Pick up MC, Stb + C - R.H. 17 6 1 6 R.H. 18 7 1 6 1/2" x 3/4" to shoe B. Break Core. Depth @ 100 9098' 19 8 1 6 Full Returns @ 9100' Driller Robert Daboul							

MORNING TOUR				P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Daboul	8	DRILLER		W.E. Crohan JR	8
DREMAN		V.D. Hudson	8	DREMAN		F.C. Simpton	8
STEERMAN		A. Swack	8	STEERMAN		H.E. Ries	8
FIREMAN		B. Fortin	8	FIREMAN		B.J. Schlautke	8
FLANMAN		J. Carr	8	FLANMAN		L.T. McCortney	8
FLANMAN		No Acc.		FLANMAN			
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			

DRILLING ASSEMBLY				BIT RECORD		MUD RECORD	
NO.	OPERATION	HOURS	DATE	NO.	BIT NO.	DEPTH	NO.
1	MC	31.48		1	82	31.48	
2	MC	21.50		2	83	52.98	
3	MC	36.01		3	84	88.99	
4	MC	9.26		4	85	98.25	
5	MC	17.21		5	86	115.46	
6	MC	1.68		6	87	117.14	
7	MC	57.25		7	88	174.39	
8	MC	1019.89		8	89	176.07	

FOOTAGE		FORMATION		FORMATION		FORMATION	
FROM	TO	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS
9098'							
9098 Direct Volume 50.88b Cont Lam Pill 4/5.03m Linn 2.0m + 3.7m G.L. 6.52 Reinforced + 4.0m South Sandstone + GSH - Displaced by 27.27 STRS. C.I.R.C. 21.50 PM DEVIATION RECORD 8 9 1 5 Fill Pipe no Returns Pull to 8202 9 10 1 5 mix lam Pill 8378 10 11 1/2 5 1/2 Lam Pill Pullout to wait on Lam Pill mix mud 11 12 1 5 wait on lam Pill mix mud 12 1 5 " " mix lam Pill 1 2 1/2 5 1/2 mix lam Pill 1/2 Run in 2 3 1 5 mix cement pump cement Pill 3 4 1 6 Pullout to shoe Driller W.E. Crohan Jr							

DAY TOUR				P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Crohan JR	8	DRILLER		R.H. Heaman	8
DREMAN		F.C. Simpton	8	DREMAN		H. Hartsell	8
STEERMAN		H.E. Ries	8	STEERMAN		C. Cantrell	8
FIREMAN		B.J. Schlautke	8	FIREMAN		E.F. Hall	8
FLANMAN		L.T. McCortney	8	FLANMAN		R. Hallis	8
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			

DRILLING ASSEMBLY				BIT RECORD		MUD RECORD	
NO.	OPERATION	HOURS	DATE	NO.	BIT NO.	DEPTH	NO.
1	MC	31.48		1	82	31.48	
2	MC	21.50		2	83	52.98	
3	MC	36.01		3	84	88.99	
4	MC	9.26		4	85	98.25	
5	MC	17.21		5	86	115.46	
6	MC	1.68		6	87	117.14	
7	MC	57.25		7	88	174.39	
8	MC	1019.89		8	89	176.07	

FOOTAGE		FORMATION		FORMATION		FORMATION	
FROM	TO	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS	NO. OF CORLS
9098'							
9098 DEVIATION RECORD 4 1/2 1 18 W.C.C. 5 1/2 1 18 W.C.C. 6 1 1 18 W.C.C. 7 1 1 18 W.C.C. 8 1 1 18 W.C.C. 9 10 1 21 W.C.C. Test 10 11 1 6 R.H. to G.P. 11 12 1 6 Add sand noc. Add sand to G.P. Driller R.H. Heaman							

EVENING TOUR				P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.	CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.H. Heaman	8	DRILLER		R.H. Heaman	8
DREMAN		H. Hartsell	8	DREMAN		H. Hartsell	8
STEERMAN		C. Cantrell	8	STEERMAN		C. Cantrell	8
FIREMAN		E.F. Hall	8	FIREMAN		E.F. Hall	8
FLANMAN		R. Hallis	8	FLANMAN		R. Hallis	8
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			
FLANMAN				FLANMAN			

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED No. 45091

No. 45092

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14, DATE 2-8-86, OPERATOR KEARNEY & STRE, CONTRACTOR CLEVELAND DRILLING CO., SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Bick, SIGNATURE OF CONTRACTOR'S TOOL PUSHER Willard Michael

WELL LINE RECORD, SIZE 1 7/8, NO. LINES 10, PUMP NO. 1, PUMP NO. 2, PUMP NO. 3, PUMP NO. 4, PUMP NO. 5, PUMP NO. 6, PUMP NO. 7, PUMP NO. 8, PUMP NO. 9, PUMP NO. 10

DRILLING CREW PAYROLL DATA, DATE 2-8-86, WELL NAME & NO. KEARNEY & STRE 2-14, COMPANY KEARNEY & STRE, TOOL PUSHER Willard Michael, RIG NO. 6

TIME DISTRIBUTION - HOURS table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, and JOBD RECORD. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

FOOTAGE 29', FORMATION (SHOWN CORE RECOVERY) CLAYSTONE, DEVIATION RECORD table with columns for TIME LOG, DEPTH, DEV., DIRECTION, etc. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

DRILLER DAVID MATHEW, DREAM DAVID TREWANTH, STRMAN BRUCE HANTRY, FIREMAN TOM BRIGALL, FLRMAN ARMANDO RODRIGUEZ, NO. OF DAYS SINCE LAST LOST TIME ACCIDENT NO. ACC.

NO. 1, DRILLING ASSEMBLY, BIT RECORD, JOBD RECORD table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, JOBD RECORD. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

FOOTAGE 111', FORMATION (SHOWN CORE RECOVERY) Claystone + sandstone, DEVIATION RECORD table with columns for TIME LOG, DEPTH, DEV., DIRECTION, etc. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

DRILLER David Mathew, DREAM W.C. Cronan JR, STRMAN F.C. Sunleton, FIREMAN H.E. Ries, FLRMAN B.T. Schlachter, AW STOUT, NO. OF DAYS SINCE LAST LOST TIME ACCIDENT NO. ACC.

NO. 2, DRILLING ASSEMBLY, BIT RECORD, JOBD RECORD table with columns for NO., DRILLING ASSEMBLY, BIT RECORD, JOBD RECORD. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

FOOTAGE 10', FORMATION (SHOWN CORE RECOVERY) Claystone + sandstone, DEVIATION RECORD table with columns for TIME LOG, DEPTH, DEV., DIRECTION, etc. Includes rows for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

DRILLER W.C. Cronan JR, DREAM R.A. Herman, STRMAN D. Venturoli, FIREMAN C. Cantagall, FLRMAN E.E. Dell, R. Harris, NO. OF DAYS SINCE LAST LOST TIME ACCIDENT NO. ACC.

No. 45093

DAILY DRILLING REPORT REPORT NO.

LEASE: **KEVIN/COTT-WATE** WELL NO: **2-14** API WELL NUMBER: **2-9-84** DATE: **2-9-84**

OPERATOR: **BECHTEL & O.C.E.** CONTRACTOR: **CLEVELAND DRILLING CO.**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

NO. OF STAGES: **5** NO. OF STAGES: **6**

LINE DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1. DRILLING	1	37.12	37.12	37.12
2. DRILLING	1	37.12	37.12	37.12
3. DRILLING	1	37.12	37.12	37.12
4. DRILLING	1	37.12	37.12	37.12
5. DRILLING	1	37.12	37.12	37.12

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	37.12	37.12	37.12
2	37.12	37.12	37.12
3	37.12	37.12	37.12
4	37.12	37.12	37.12
5	37.12	37.12	37.12

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	37.12	37.12	37.12
2	37.12	37.12	37.12
3	37.12	37.12	37.12
4	37.12	37.12	37.12
5	37.12	37.12	37.12

TOTALS: **8 8 8**

WIRE LINE RECORD

SIZE: **1 7/8** NO. LINES: **10** FT. LINES: **6000**

WELL NO.: **2-14**

FOOTAGE	FORMATION	DEVIATION RECORD
9248	9249 C	9248
9249	9250 C	9249
9250	9251 C	9250

FOOTAGE	FORMATION	DEVIATION RECORD
9249	9254 C	9249
9250	9255 C	9250
9251	9256 C	9251

FOOTAGE	FORMATION	DEVIATION RECORD
9252	9254 D	9252
9253	9255 D	9253
9254	9256 D	9254

TOTALS: **8 8 8**

DRILLING CREW PAYROLL DATA

DATE: **2-9-84**

WELL NAME & NO.: **KEVIN/COTT-WATE 2-14**

COMPANY: **BECHTEL & O.C.E.**

TOOL PUSHER: **William Nichol**

MORNING TOUR	CREW	SOC. SEC. NO.	NAME	HRS.
12:00	DRILLER		DAVID MATHIS	8
	DRAWER		DAVID TREVARTHEN	8
	STEERMAN		BRUCE HENDRY	8
	FIREMAN		TOBY STEGALL	8
	FLIGHTMAN		ARMANDO RODRIGUEZ	8

EVENING TOUR	CREW	SOC. SEC. NO.	NAME	HRS.
8:00	DRILLER		W.C. Cronan JR	8
	DRAWER		P.C. Singleton	9
	STEERMAN		H.E. Ries	9
	FIREMAN		B.J. Schlachter	8
	FLIGHTMAN		A.W. Stout	9

EVENING TOUR	CREW	SOC. SEC. NO.	NAME	HRS.
4 P.M.	DRILLER		R.H. Hedman	8
	DRAWER		D. Vantassel	8
	STEERMAN		C. Cantrell	8
	FIREMAN		E.C. Hoff	8
	FLIGHTMAN		R. Hobbs	8

TOTALS: **8 8 8**

No. 45032

DAILY DRILLING REPORT REPORT NO.

LEASER KEARNEY-COTT-STATE	WELL NO. 2-14	API WELL NUMBER	DATE 2-10-86
OPERATOR BECHTEL & CO.	CONTRACTOR CLEVELAND DRILLING CO.	FIELD OR DIV. SALTON SEA	COUNTY IMPERIAL
SIGNATURE OF OPERATOR'S REPRESENTATIVE B.W. Beach 2-10-86		SIGNATURE OF CONTRACTOR'S TOOL PUSHER Billard Mitchell	
R.D. DEEP 5'	ST. 19.5	GRADE G	TOOL JOE & DI. TYPE THREAD 6 7/8 I.F.
PUMP NO. 1		PUMP MANUFACTURER NATIONAL	
TYPE N-1300		PISTON 16"	

SIZE LINE RECORD SIZE 1 7/8	NO. LINES 10	PT. KIPPED
TOOL JOE OR TRIP SINCE LAST CUT	PUMP LENGTH	GRABBLATIVE FOR USE ON TRIP
FOOTAGE FROM 110 TO 934	CONV. NO. D	FORMATION (SHOW CORE RECOVERY) SANDSTONE - CLAYSTONE
DEVIATION RECORD	DETAILS OF OPERATIONS IN RESERVOIR AND REMARKS DRILL FROM 934'	

DRILLING CREW PAYROLL DATA
DATE 2-10-86
WELL NAME & NO. KEARNEY-STATE #2-14
COMPANY BECHTEL & CO.
TOOL PUSHER Billard Mitchell

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHE	8
DREMAN		DAVID TREVATHAN	8
WTRMAN		BRUCE HENDRY	8
FIREMAN		TONY STEGALL	8
FLMAN		ARMANDO RODRIGUEZ	8
FLMAN			
TRAKEE		NO. ACC.	
		HOLD SIXTY SEVENTEEN	

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MPD RECORD
1. NO. OF HRS. OPERATED	8	1. BIT 8 1/2	1. BIT NO. 51	1. TIME 12 4 8
2. WELL ACTUAL	8 1/2	2. WEL 9.26	2. WEL 8 1/2	2. WEL 8 7 2 6
3. RECORDING	1 1/2	3. REC 25.28	3. REC 10.18	3. REC 35 15 32
4. CLEANING	1 1/2	4. CLN 31.58	4. CLN 18.18	4. CLN 35 28 30
5. TROUBLE	1 1/2	5. TRO 38.20	5. TRO 22.39	
6. TRIP	1 1/2	6. TRP 4.18	6. TRP 9.24	
7. LUBRICATE	1 1/2	7. LUB 8.24	7. LUB 9.24	
8. REPAIR	1 1/2	8. REP 1.68	8. REP 1.68	
9. TOTAL	8 1/2	9. TOT 127.71	9. TOT 119.0	
10. TOTAL	8 1/2	10. TOT 17.00	10. TOT 16.00	
11. TOTAL	8 1/2	11. TOT 924.00	11. TOT 924.00	
12. TOTAL	8 1/2	12. TOT 245.00	12. TOT 245.00	

FOOTAGE	CONV.	FORMATION	DEVIATION
110	D	SANDSTONE - CLAYSTONE	
934	D	CLAYSTONE + SANDSTONE	
DEVIATION RECORD	DETAILS OF OPERATIONS IN RESERVOIR AND REMARKS Drill 8' - 20'		

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan JR.	8
DREMAN		F.C. Singleton	8
WTRMAN		H.E. Ries	8
FIREMAN		B.T. Schlachter	8
FLMAN		A.W. Steat	8
FLMAN			
TRAKEE		NO. ACC.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MPD RECORD
1	BIT 7 1/2	BIT NO. 51	TIME 2.00
2	WEL 9.26	WEL 8 1/2	WEL 8.6
3	REC 25.28	REC 10.18	REC 31 35 37
4	CLN 31.58	CLN 18.18	CLN 7 7 7
5	TRO 38.20	TRO 22.39	TRO 9.8
6	TRP 4.18	TRP 9.24	TRP 1.68
7	LUB 8.24	LUB 9.24	LUB 1.68
8	REP 1.68	REP 1.68	REP 1.68
9	TOT 127.71	TOT 119.0	TOT 119.0
10	TOT 17.00	TOT 16.00	TOT 16.00
11	TOT 924.00	TOT 924.00	TOT 924.00
12	TOT 245.00	TOT 245.00	TOT 245.00

FOOTAGE	CONV.	FORMATION	DEVIATION
77	D	Claystone + sandstone	
934	D	Claystone + sandstone	
DEVIATION RECORD	DETAILS OF OPERATIONS IN RESERVOIR AND REMARKS Acc. ok cam ok		

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		D.R. Hepman	8
DREMAN		D. Vanarsall	8
WTRMAN		C. Cantor	8
FIREMAN		E. F. Hoff	8
FLMAN		R. Macale	8
FLMAN			
TRAKEE		NO. ACC.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MPD RECORD
1	BIT 8 1/2	BIT NO. 45	TIME 4.00
2	WEL 9.26	WEL 8 1/2	WEL 9.6
3	REC 25.28	REC 10.18	REC 35 15 32
4	CLN 31.58	CLN 18.18	CLN 7 7 7
5	TRO 38.20	TRO 22.39	TRO 9.8
6	TRP 4.18	TRP 9.24	TRP 1.68
7	LUB 8.24	LUB 9.24	LUB 1.68
8	REP 1.68	REP 1.68	REP 1.68
9	TOT 127.71	TOT 119.0	TOT 119.0
10	TOT 17.00	TOT 16.00	TOT 16.00
11	TOT 924.00	TOT 924.00	TOT 924.00
12	TOT 245.00	TOT 245.00	TOT 245.00

FOOTAGE	CONV.	FORMATION	DEVIATION
9	D	Claystone + sandstone	
944	D	Claystone + sandstone	
DEVIATION RECORD	DETAILS OF OPERATIONS IN RESERVOIR AND REMARKS Mud + air + water		

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

No. 45033

DAILY DRILLING REPORT REPORT NO.

LEASE **KENNEDY STATE** WELL NO. **2-14** API WELL NUMBER **2-11-84** DATE **2-11-84**
 OPERATOR **BECHTEL + D.O.E.** CONTRACTOR **CLEVELAND DRILLING CO** RIG NO. **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE *Ray [Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *Wayland [Signature]*
Wayland [Signature]
 PUMP NO. **1** PUMP NAME ACTUATOR **NATIONAL** TYPE **N-1300** SIZE **16"**

TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY		BIT RECORD		LOG RECORD	
NO.	OPERATION	NO.	DRILLING ASSEMBLY	BIT NO.	SIZE	TYPE	REMARKS
1	DRILL ACTUAL	1	2 1/2" 20' 20'	52	B 1/2"	VERT	
2	DRILL ACTUAL	6	3 1/2" 20' 25' 28"	53	VAR	VERT	
3	DRILL ACTUAL	1	4 1/2" 20' 31' 49"	54	V. S27	VERT	
4	DRILL ACTUAL	1	5 1/2" 20' 33' 20"	55	OLVH	VERT	
5	DRILL ACTUAL	1	6 1/2" 20' 33' 20"	56	SS25	VERT	
6	DRILL ACTUAL	1	7 1/2" 20' 33' 20"	57	SS25	VERT	
7	DRILL ACTUAL	1	8 1/2" 20' 33' 20"	58	SS25	VERT	
8	DRILL ACTUAL	1	9 1/2" 20' 33' 20"	59	SS25	VERT	
9	DRILL ACTUAL	1	10 1/2" 20' 33' 20"	60	SS25	VERT	
10	DRILL ACTUAL	1	11 1/2" 20' 33' 20"	61	SS25	VERT	
11	DRILL ACTUAL	1	12 1/2" 20' 33' 20"	62	SS25	VERT	
12	DRILL ACTUAL	1	13 1/2" 20' 33' 20"	63	SS25	VERT	
13	DRILL ACTUAL	1	14 1/2" 20' 33' 20"	64	SS25	VERT	
14	DRILL ACTUAL	1	15 1/2" 20' 33' 20"	65	SS25	VERT	
15	DRILL ACTUAL	1	16 1/2" 20' 33' 20"	66	SS25	VERT	
16	DRILL ACTUAL	1	17 1/2" 20' 33' 20"	67	SS25	VERT	
17	DRILL ACTUAL	1	18 1/2" 20' 33' 20"	68	SS25	VERT	
18	DRILL ACTUAL	1	19 1/2" 20' 33' 20"	69	SS25	VERT	
19	DRILL ACTUAL	1	20 1/2" 20' 33' 20"	70	SS25	VERT	
20	DRILL ACTUAL	1	21 1/2" 20' 33' 20"	71	SS25	VERT	
21	DRILL ACTUAL	1	22 1/2" 20' 33' 20"	72	SS25	VERT	
22	DRILL ACTUAL	1	23 1/2" 20' 33' 20"	73	SS25	VERT	
23	DRILL ACTUAL	1	24 1/2" 20' 33' 20"	74	SS25	VERT	
24	DRILL ACTUAL	1	25 1/2" 20' 33' 20"	75	SS25	VERT	
25	DRILL ACTUAL	1	26 1/2" 20' 33' 20"	76	SS25	VERT	
26	DRILL ACTUAL	1	27 1/2" 20' 33' 20"	77	SS25	VERT	
27	DRILL ACTUAL	1	28 1/2" 20' 33' 20"	78	SS25	VERT	
28	DRILL ACTUAL	1	29 1/2" 20' 33' 20"	79	SS25	VERT	
29	DRILL ACTUAL	1	30 1/2" 20' 33' 20"	80	SS25	VERT	
30	DRILL ACTUAL	1	31 1/2" 20' 33' 20"	81	SS25	VERT	
31	DRILL ACTUAL	1	32 1/2" 20' 33' 20"	82	SS25	VERT	
32	DRILL ACTUAL	1	33 1/2" 20' 33' 20"	83	SS25	VERT	
33	DRILL ACTUAL	1	34 1/2" 20' 33' 20"	84	SS25	VERT	
34	DRILL ACTUAL	1	35 1/2" 20' 33' 20"	85	SS25	VERT	
35	DRILL ACTUAL	1	36 1/2" 20' 33' 20"	86	SS25	VERT	
36	DRILL ACTUAL	1	37 1/2" 20' 33' 20"	87	SS25	VERT	
37	DRILL ACTUAL	1	38 1/2" 20' 33' 20"	88	SS25	VERT	
38	DRILL ACTUAL	1	39 1/2" 20' 33' 20"	89	SS25	VERT	
39	DRILL ACTUAL	1	40 1/2" 20' 33' 20"	90	SS25	VERT	
40	DRILL ACTUAL	1	41 1/2" 20' 33' 20"	91	SS25	VERT	
41	DRILL ACTUAL	1	42 1/2" 20' 33' 20"	92	SS25	VERT	
42	DRILL ACTUAL	1	43 1/2" 20' 33' 20"	93	SS25	VERT	
43	DRILL ACTUAL	1	44 1/2" 20' 33' 20"	94	SS25	VERT	
44	DRILL ACTUAL	1	45 1/2" 20' 33' 20"	95	SS25	VERT	
45	DRILL ACTUAL	1	46 1/2" 20' 33' 20"	96	SS25	VERT	
46	DRILL ACTUAL	1	47 1/2" 20' 33' 20"	97	SS25	VERT	
47	DRILL ACTUAL	1	48 1/2" 20' 33' 20"	98	SS25	VERT	
48	DRILL ACTUAL	1	49 1/2" 20' 33' 20"	99	SS25	VERT	
49	DRILL ACTUAL	1	50 1/2" 20' 33' 20"	100	SS25	VERT	
50	DRILL ACTUAL	1	51 1/2" 20' 33' 20"	101	SS25	VERT	
51	DRILL ACTUAL	1	52 1/2" 20' 33' 20"	102	SS25	VERT	
52	DRILL ACTUAL	1	53 1/2" 20' 33' 20"	103	SS25	VERT	
53	DRILL ACTUAL	1	54 1/2" 20' 33' 20"	104	SS25	VERT	
54	DRILL ACTUAL	1	55 1/2" 20' 33' 20"	105	SS25	VERT	
55	DRILL ACTUAL	1	56 1/2" 20' 33' 20"	106	SS25	VERT	
56	DRILL ACTUAL	1	57 1/2" 20' 33' 20"	107	SS25	VERT	
57	DRILL ACTUAL	1	58 1/2" 20' 33' 20"	108	SS25	VERT	
58	DRILL ACTUAL	1	59 1/2" 20' 33' 20"	109	SS25	VERT	
59	DRILL ACTUAL	1	60 1/2" 20' 33' 20"	110	SS25	VERT	
60	DRILL ACTUAL	1	61 1/2" 20' 33' 20"	111	SS25	VERT	
61	DRILL ACTUAL	1	62 1/2" 20' 33' 20"	112	SS25	VERT	
62	DRILL ACTUAL	1	63 1/2" 20' 33' 20"	113	SS25	VERT	
63	DRILL ACTUAL	1	64 1/2" 20' 33' 20"	114	SS25	VERT	
64	DRILL ACTUAL	1	65 1/2" 20' 33' 20"	115	SS25	VERT	
65	DRILL ACTUAL	1	66 1/2" 20' 33' 20"	116	SS25	VERT	
66	DRILL ACTUAL	1	67 1/2" 20' 33' 20"	117	SS25	VERT	
67	DRILL ACTUAL	1	68 1/2" 20' 33' 20"	118	SS25	VERT	
68	DRILL ACTUAL	1	69 1/2" 20' 33' 20"	119	SS25	VERT	
69	DRILL ACTUAL	1	70 1/2" 20' 33' 20"	120	SS25	VERT	
70	DRILL ACTUAL	1	71 1/2" 20' 33' 20"	121	SS25	VERT	
71	DRILL ACTUAL	1	72 1/2" 20' 33' 20"	122	SS25	VERT	
72	DRILL ACTUAL	1	73 1/2" 20' 33' 20"	123	SS25	VERT	
73	DRILL ACTUAL	1	74 1/2" 20' 33' 20"	124	SS25	VERT	
74	DRILL ACTUAL	1	75 1/2" 20' 33' 20"	125	SS25	VERT	
75	DRILL ACTUAL	1	76 1/2" 20' 33' 20"	126	SS25	VERT	
76	DRILL ACTUAL	1	77 1/2" 20' 33' 20"	127	SS25	VERT	
77	DRILL ACTUAL	1	78 1/2" 20' 33' 20"	128	SS25	VERT	
78	DRILL ACTUAL	1	79 1/2" 20' 33' 20"	129	SS25	VERT	
79	DRILL ACTUAL	1	80 1/2" 20' 33' 20"	130	SS25	VERT	
80	DRILL ACTUAL	1	81 1/2" 20' 33' 20"	131	SS25	VERT	
81	DRILL ACTUAL	1	82 1/2" 20' 33' 20"	132	SS25	VERT	
82	DRILL ACTUAL	1	83 1/2" 20' 33' 20"	133	SS25	VERT	
83	DRILL ACTUAL	1	84 1/2" 20' 33' 20"	134	SS25	VERT	
84	DRILL ACTUAL	1	85 1/2" 20' 33' 20"	135	SS25	VERT	
85	DRILL ACTUAL	1	86 1/2" 20' 33' 20"	136	SS25	VERT	
86	DRILL ACTUAL	1	87 1/2" 20' 33' 20"	137	SS25	VERT	
87	DRILL ACTUAL	1	88 1/2" 20' 33' 20"	138	SS25	VERT	
88	DRILL ACTUAL	1	89 1/2" 20' 33' 20"	139	SS25	VERT	
89	DRILL ACTUAL	1	90 1/2" 20' 33' 20"	140	SS25	VERT	
90	DRILL ACTUAL	1	91 1/2" 20' 33' 20"	141	SS25	VERT	
91	DRILL ACTUAL	1	92 1/2" 20' 33' 20"	142	SS25	VERT	
92	DRILL ACTUAL	1	93 1/2" 20' 33' 20"	143	SS25	VERT	
93	DRILL ACTUAL	1	94 1/2" 20' 33' 20"	144	SS25	VERT	
94	DRILL ACTUAL	1	95 1/2" 20' 33' 20"	145	SS25	VERT	
95	DRILL ACTUAL	1	96 1/2" 20' 33' 20"	146	SS25	VERT	
96	DRILL ACTUAL	1	97 1/2" 20' 33' 20"	147	SS25	VERT	
97	DRILL ACTUAL	1	98 1/2" 20' 33' 20"	148	SS25	VERT	
98	DRILL ACTUAL	1	99 1/2" 20' 33' 20"	149	SS25	VERT	
99	DRILL ACTUAL	1	100 1/2" 20' 33' 20"	150	SS25	VERT	
100	DRILL ACTUAL	1	101 1/2" 20' 33' 20"	151	SS25	VERT	
101	DRILL ACTUAL	1	102 1/2" 20' 33' 20"	152	SS25	VERT	
102	DRILL ACTUAL	1	103 1/2" 20' 33' 20"	153	SS25	VERT	
103	DRILL ACTUAL	1	104 1/2" 20' 33' 20"	154	SS25	VERT	
104	DRILL ACTUAL	1	105 1/2" 20' 33' 20"	155	SS25	VERT	
105	DRILL ACTUAL	1	106 1/2" 20' 33' 20"	156	SS25	VERT	
106	DRILL ACTUAL	1	107 1/2" 20' 33' 20"	157	SS25	VERT	
107	DRILL ACTUAL	1	108 1/2" 20' 33' 20"	158	SS25	VERT	
108	DRILL ACTUAL	1	109 1/2" 20' 33' 20"	159	SS25	VERT	
109	DRILL ACTUAL	1	110 1/2" 20' 33' 20"	160	SS25	VERT	
110	DRILL ACTUAL	1	111 1/2" 20' 33' 20"	161	SS25	VERT	
111	DRILL ACTUAL	1	112 1/2" 20' 33' 20"	162	SS25	VERT	
112	DRILL ACTUAL	1	113 1/2" 20' 33' 20"	163	SS25	VERT	
113	DRILL ACTUAL	1	114 1/2" 20' 33' 20"	164	SS25	VERT	
114	DRILL ACTUAL	1	115 1/2" 20' 33' 20"	165	SS25	VERT	
115	DRILL ACTUAL	1	116 1/2" 20' 33' 20"	166	SS25	VERT	
116	DRILL ACTUAL	1	117 1/2" 20' 33' 20"	167	SS25	VERT	
117	DRILL ACTUAL	1	118 1/2" 20' 33' 20"	168	SS25	VERT	
118	DRILL ACTUAL	1	119 1/2" 20' 33' 20"	169	SS25	VERT	
119	DRILL ACTUAL	1	120 1/2" 20' 33' 20"	170	SS25	VERT	
120	DRILL ACTUAL	1	121 1/2" 20' 33' 20"	171	SS25	VERT	
121	DRILL ACTUAL	1	122 1/2" 20' 33' 20"	172	SS25	VERT	
122	DRILL ACTUAL	1	123 1/2" 20' 33' 20"	173	SS25	VERT	
123	DRILL ACTUAL	1	124 1/2" 20' 33' 20"	174	SS25	VERT	
124	DRILL ACTUAL	1	125 1/2" 20' 33' 20"	175	SS25	VERT	
125	DRILL ACTUAL	1	126 1/2" 20' 33' 20"	176	SS25	VERT	
126	DRILL ACTUAL	1	127 1/2" 20' 33' 20"	177	SS25	VERT	
127	DRILL ACTUAL	1	128 1/2" 20' 33' 20"	178	SS25	VERT	
128	DRILL ACTUAL	1	129 1/2" 20' 33' 20"	179	SS25	VERT	
129	DRILL ACTUAL	1	130 1/2" 20' 33' 20"	180	SS25	VERT	
130	DRILL ACTUAL	1	131 1/2" 20' 33' 20"	181	SS25	VERT	
131	DRILL ACTUAL	1	132 1/2" 20' 33' 20"	182	SS25	VERT	
132	DRILL ACTUAL	1	133 1/2" 20' 33' 20"	183	SS25	VERT	
133	DRILL ACTUAL	1	134 1/2" 20' 33' 20"	184	SS25	VERT	
134	DRILL ACTUAL	1	135 1/2" 20' 33' 20"	185	SS25	VERT	
135	DRILL ACTUAL	1	136 1/2" 20' 33' 20"	186	SS25	VERT	
136	DRILL ACTUAL	1	137 1/2" 20' 33' 20"	187	SS25	VERT	
137	DRILL ACTUAL	1	138 1/2" 20' 33' 20"	188	SS25	VERT	
138	DRILL ACTUAL	1	139 1/2" 20' 33' 20"	189			

No. 45034

DAILY DRILLING REPORT REPORT NO.

LEASE KEANACOTT - STATE	WELL NO. 2-14	API WELL NUMBER	DATE 2-12-86
OPERATOR BECHTEL & D.P.A.	CONTRACTOR CLEVELAND DRILLING CO.	RIG NO. 6	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>	
R.P. SIZE 5"	ST. PT. 1 E	SHAPE 6 1/4"	TOOL IF B.D. TYPE THROD 1 1/2"
ST. PT. 5"	ST. PT. 1 E	SHAPE 6 1/4"	TOOL IF B.D. TYPE THROD 1 1/2"
ST. PT. 5"	ST. PT. 1 E	SHAPE 6 1/4"	TOOL IF B.D. TYPE THROD 1 1/2"

WIRE LINE RECORD	WELL NO.	WELL NAME	DATE
SIZE 1 1/2"	10	KEANACOTT - STATE 2-14	2-12-86
FEET 170			
PRESET LENGTH			
TOOL ON OR TRIP SHE LAST CUT			
TOOL ON OR TRIP SHE LAST CUT			

DRILLING CREW PAYROLL DATA		
DATE 2-12-86		
WELL NAME & NO. KEANACOTT - STATE 2-14		
COMPANY BECHTEL & D.P.A.		
TOOL PUSHER W. Hudson RIG NO. 6		

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	SPD RECORD
1. DRILLING	1	8 1/2	75 FT	52
2. CONNECTION	2	9 1/2	82	57
3. TRIP	3	10 1/2	89	62
4. MAKEUP	4	11 1/2	96	67
5. CLEANUP	5	12 1/2	103	72
6. OTHER	6	13 1/2	110	77
7. TOTAL	7	14 1/2	117	82

FOOTAGE	FORMATION	ROTARY RPM	W.P. ON BIT	PUMP PRESS	PUMP NO. 1	PUMP NO. 2	WELL LOG
9453					400	6" 59 7"	3
9454					400	6" 59 7"	3
9455					400	6" 59 7"	3
9456					400	6" 59 7"	3
9457					400	6" 59 7"	3
9458					400	6" 59 7"	3
9459					400	6" 59 7"	3
9460					400	6" 59 7"	3

MORNING TOUR	P.M.	A.M.
12:00	4:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		DAVID MATHEIS
DREMAN		DAVID TRAVARTHEAN
STRIPPER		BRUCE HENDRY
FIREMAN		TOM STRIBALL
FIREMAN		ARMANDO RODRIGUEZ
FIREMAN		
FRAMER		NO ACC.

NO.	DRILLING ASSEMBLY	BIT RECORD	SPD RECORD
8	15 1/2	124	100
9	16 1/2	131	107
10	17 1/2	138	114
11	18 1/2	145	121
12	19 1/2	152	128
13	20 1/2	159	135
14	21 1/2	166	142
15	22 1/2	173	149
16	23 1/2	180	156
17	24 1/2	187	163
18	25 1/2	194	170
19	26 1/2	201	177
20	27 1/2	208	184
21	28 1/2	215	191
22	29 1/2	222	198
23	30 1/2	229	205
24	31 1/2	236	212
25	32 1/2	243	219
26	33 1/2	250	226
27	34 1/2	257	233
28	35 1/2	264	240
29	36 1/2	271	247
30	37 1/2	278	254
31	38 1/2	285	261
32	39 1/2	292	268
33	40 1/2	299	275
34	41 1/2	306	282
35	42 1/2	313	289
36	43 1/2	320	296
37	44 1/2	327	303
38	45 1/2	334	310
39	46 1/2	341	317
40	47 1/2	348	324
41	48 1/2	355	331
42	49 1/2	362	338
43	50 1/2	369	345
44	51 1/2	376	352
45	52 1/2	383	359
46	53 1/2	390	366
47	54 1/2	397	373
48	55 1/2	404	380
49	56 1/2	411	387
50	57 1/2	418	394
51	58 1/2	425	401
52	59 1/2	432	408
53	60 1/2	439	415
54	61 1/2	446	422
55	62 1/2	453	429
56	63 1/2	460	436
57	64 1/2	467	443
58	65 1/2	474	450
59	66 1/2	481	457
60	67 1/2	488	464
61	68 1/2	495	471
62	69 1/2	502	478
63	70 1/2	509	485
64	71 1/2	516	492
65	72 1/2	523	499
66	73 1/2	530	506
67	74 1/2	537	513
68	75 1/2	544	520
69	76 1/2	551	527
70	77 1/2	558	534
71	78 1/2	565	541
72	79 1/2	572	548
73	80 1/2	579	555
74	81 1/2	586	562
75	82 1/2	593	569
76	83 1/2	600	576
77	84 1/2	607	583
78	85 1/2	614	590
79	86 1/2	621	597
80	87 1/2	628	604
81	88 1/2	635	611
82	89 1/2	642	618
83	90 1/2	649	625
84	91 1/2	656	632
85	92 1/2	663	639
86	93 1/2	670	646
87	94 1/2	677	653
88	95 1/2	684	660
89	96 1/2	691	667
90	97 1/2	698	674
91	98 1/2	705	681
92	99 1/2	712	688
93	100 1/2	719	695
94	101 1/2	726	702
95	102 1/2	733	709
96	103 1/2	740	716
97	104 1/2	747	723
98	105 1/2	754	730
99	106 1/2	761	737
100	107 1/2	768	744
101	108 1/2	775	751
102	109 1/2	782	758
103	110 1/2	789	765
104	111 1/2	796	772
105	112 1/2	803	779
106	113 1/2	810	786
107	114 1/2	817	793
108	115 1/2	824	800
109	116 1/2	831	807
110	117 1/2	838	814
111	118 1/2	845	821
112	119 1/2	852	828
113	120 1/2	859	835
114	121 1/2	866	842
115	122 1/2	873	849
116	123 1/2	880	856
117	124 1/2	887	863
118	125 1/2	894	870
119	126 1/2	901	877
120	127 1/2	908	884
121	128 1/2	915	891
122	129 1/2	922	898
123	130 1/2	929	905
124	131 1/2	936	912
125	132 1/2	943	919
126	133 1/2	950	926
127	134 1/2	957	933
128	135 1/2	964	940
129	136 1/2	971	947
130	137 1/2	978	954
131	138 1/2	985	961
132	139 1/2	992	968
133	140 1/2	999	975
134	141 1/2	1006	982
135	142 1/2	1013	989
136	143 1/2	1020	996
137	144 1/2	1027	1003
138	145 1/2	1034	1010
139	146 1/2	1041	1017
140	147 1/2	1048	1024
141	148 1/2	1055	1031
142	149 1/2	1062	1038
143	150 1/2	1069	1045
144	151 1/2	1076	1052
145	152 1/2	1083	1059
146	153 1/2	1090	1066
147	154 1/2	1097	1073
148	155 1/2	1104	1080
149	156 1/2	1111	1087
150	157 1/2	1118	1094
151	158 1/2	1125	1101
152	159 1/2	1132	1108
153	160 1/2	1139	1115
154	161 1/2	1146	1122
155	162 1/2	1153	1129
156	163 1/2	1160	1136
157	164 1/2	1167	1143
158	165 1/2	1174	1150
159	166 1/2	1181	1157
160	167 1/2	1188	1164
161	168 1/2	1195	1171
162	169 1/2	1202	1178
163	170 1/2	1209	1185
164	171 1/2	1216	1192
165	172 1/2	1223	1199
166	173 1/2	1230	1206
167	174 1/2	1237	1213
168	175 1/2	1244	1220
169	176 1/2	1251	1227
170	177 1/2	1258	1234
171	178 1/2	1265	1241
172	179 1/2	1272	1248
173	180 1/2	1279	1255
174	181 1/2	1286	1262
175	182 1/2	1293	1269
176	183 1/2	1300	1276
177	184 1/2	1307	1283
178	185 1/2	1314	1290
179	186 1/2	1321	1297
180	187 1/2	1328	1304
181	188 1/2	1335	1311
182	189 1/2	1342	1318
183	190 1/2	1349	1325
184	191 1/2	1356	1332
185	192 1/2	1363	1339
186	193 1/2	1370	1346
187	194 1/2	1377	1353
188	195 1/2	1384	1360
189	196 1/2	1391	1367
190	197 1/2	1398	1374
191	198 1/2	1405	1381
192	199 1/2	1412	1388
193	200 1/2	1419	1395
194	201 1/2	1426	1402
195	202 1/2	1433	1409
196	203 1/2	1440	1416
197	204 1/2	1447	1423
198	205 1/2	1454	1430
199	206 1/2	1461	1437
200	207 1/2	1468	1444
201	208 1/2	1475	1451
202	209 1/2	1482	1458
203	210 1/2	1489	1465
204	211 1/2	1496	1472
205	212 1/2	1503	1479
206	213 1/2	1510	1486
207	214 1/2	1517	1493
208	215 1/2	1524	1500
209	216 1/2	1531	1507
210	217 1/2	1538	1514
211	218 1/2	1545	1521
212	219 1/2	1552	1528
213	220 1/2	1559	1535
214	221 1/2	1	

No. 45036

DAILY DRILLING REPORT REPORT NO.

LEASE KENNECOTT - STATE	WELL NO.	API WELL NUMBER	DATE 2-14-86
OPERATOR BECHTEL + D.O.S.	CONTRACTOR CLEVELAND DRILLING CO.		
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Ray D. Johnson</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>P.M. Gardner</i>	
DR. DES 5	BL. FT. 19.5	GRADE E	TYPE 6 7/8 I.P.
DR. DES 6	BL. FT. 6	GRADE E	TYPE 1 1/2 I.P.
PUMP NO. 1	PUMP MANUFACTURER NATIONAL	TYPE H-1220	SIZE 16"

FIELD OR DIST. SALTON SRA	COUNTY IMPERIAL	STATE CALIF.	WIRE LINE RECORD SHEEL NO. 170
DATE 9/8	HOUR C-95	WT. & GR. 47	NO. OF DAYS 137
POST 28'	SET AT 6000'	PI. CUT OFF	PERF. LENGTH
TOOL OR FROM SINCE LAST CUT			
QUALITATIVE TOOL OR FROM			

DRILLING CREW PAYROLL DATA
DATE 2-14-86
WELL NAME & NO. KENNECOTT-STATE 2-14
COMPANY BECHTEL + D.O.S.
TOOL PUSHER P.M. Gardner
RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
A. HOP UP AND TRIP DOWN	1	8 1/2	75	53
B. DRILL ACTION	1	1 1/2	9.22	8 1/2
C. DRILLING	12	8 1/2	345.51	588
D. CORING	1	4 1/2	21.28	50 1/2
E. CONNECTIONS & CONSULT	1	5 1/2	1.68	1153 1/2
F. LAMINATE LOG	1	1 1/2	1.25	
G. REPAIR LOG	1	2 1/2	1.25	
H. MUD LOG	1	1 1/2	1.25	
I. MUD LOG SURVEY	1	1 1/2	1.25	
J. MUD LOG LOG	1	1 1/2	1.25	
K. MUD LOG	1	1 1/2	1.25	
L. MUD LOG	1	1 1/2	1.25	
M. MUD LOG	1	1 1/2	1.25	
N. MUD LOG	1	1 1/2	1.25	
O. MUD LOG	1	1 1/2	1.25	
P. MUD LOG	1	1 1/2	1.25	
Q. MUD LOG	1	1 1/2	1.25	
R. MUD LOG	1	1 1/2	1.25	
S. MUD LOG	1	1 1/2	1.25	
T. MUD LOG	1	1 1/2	1.25	
U. MUD LOG	1	1 1/2	1.25	
V. MUD LOG	1	1 1/2	1.25	
W. MUD LOG	1	1 1/2	1.25	
X. MUD LOG	1	1 1/2	1.25	
Y. MUD LOG	1	1 1/2	1.25	
Z. MUD LOG	1	1 1/2	1.25	

FOOTAGE	NO. OF CONCS.	CORR. NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP FEET	PUMP NO. 1	PUMP NO. 2	HEAVY MUD
FROM 9473	TO								
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
1	1	21	1	1	21				
2	2	21							
3	3	21							
4	4	21							
5	5	21							
6	6	21							
7	7	21							
8	8	21							

MORNING TOUR	P.M.	A.M.
12:00	8:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		DAVID MATTHEW
DREMAN		DAVID TRIVARTHEW
STRAMAN		BARRE HEUDRY
FIREMAN		ARMANDO RODRIGUEZ
FLRMAN		JOHN CARR
FLRMAN		
FLRMAN		
FRAMET		
		NO ACC.

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	8 1/2	75	53
2	1 1/2	9.22	8 1/2
3	12	345.51	588
4	1	4 1/2	21.28
5	1	5 1/2	1.68
6	1	1 1/2	1.25
7	1	2 1/2	1.25
8	1	1 1/2	1.25
9	1	1 1/2	1.25
10	1	1 1/2	1.25
11	1	1 1/2	1.25
12	1	1 1/2	1.25
13	1	1 1/2	1.25
14	1	1 1/2	1.25
15	1	1 1/2	1.25
16	1	1 1/2	1.25
17	1	1 1/2	1.25
18	1	1 1/2	1.25
19	1	1 1/2	1.25
20	1	1 1/2	1.25
21	1	1 1/2	1.25
22	1	1 1/2	1.25
23	1	1 1/2	1.25
24	1	1 1/2	1.25
25	1	1 1/2	1.25
26	1	1 1/2	1.25
27	1	1 1/2	1.25
28	1	1 1/2	1.25
29	1	1 1/2	1.25
30	1	1 1/2	1.25

FOOTAGE	NO. OF CONCS.	CORR. NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP FEET	PUMP NO. 1	PUMP NO. 2	HEAVY MUD
FROM 9473	TO								
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
9	9	21	9	9	21				
10	10	21							
11	11	21							
12	12	21							
13	13	21							
14	14	21							
15	15	21							
16	16	21							
17	17	21							
18	18	21							
19	19	21							
20	20	21							

DAY TOUR	P.M.	A.M.
8:00	4:00	12:00
CREW	SOC. SEC. NO.	NAME
DRILLER		RA. Heaman
DREMAN		D. Vontassel
STRAMAN		C. Cantrell
FIREMAN		E. E. Hill
FLRMAN		R. Harris
FLRMAN		
FLRMAN		
FRAMET		
		No Acc.

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	8 1/2	75	53
2	1 1/2	9.22	8 1/2
3	12	345.51	588
4	1	4 1/2	21.28
5	1	5 1/2	1.68
6	1	1 1/2	1.25
7	1	2 1/2	1.25
8	1	1 1/2	1.25
9	1	1 1/2	1.25
10	1	1 1/2	1.25
11	1	1 1/2	1.25
12	1	1 1/2	1.25
13	1	1 1/2	1.25
14	1	1 1/2	1.25
15	1	1 1/2	1.25
16	1	1 1/2	1.25
17	1	1 1/2	1.25
18	1	1 1/2	1.25
19	1	1 1/2	1.25
20	1	1 1/2	1.25
21	1	1 1/2	1.25
22	1	1 1/2	1.25
23	1	1 1/2	1.25
24	1	1 1/2	1.25
25	1	1 1/2	1.25
26	1	1 1/2	1.25
27	1	1 1/2	1.25
28	1	1 1/2	1.25
29	1	1 1/2	1.25
30	1	1 1/2	1.25

FOOTAGE	NO. OF CONCS.	CORR. NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY SPEED	WT. ON BIT	PUMP FEET	PUMP NO. 1	PUMP NO. 2	HEAVY MUD
FROM 9473	TO								
DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	
4	4	21	4	4	21				
5	5	21							
6	6	21							
7	7	21							
8	8	21							
9	9	21							
10	10	21							
11	11	21							
12	12	21							

EVENING TOUR	P.M.	A.M.
4:00	12:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		R. Dabarsch
DREMAN		V.D. Hudson
STRAMAN		R. Swank
FIREMAN		B. Farlin
FLRMAN		J. Carr
FLRMAN		
FLRMAN		
FRAMET		
		No Acc.

No. 45038

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott State** WELL NO. **2-14** API WELL NUMBER **2-16-86** DATE **2-16-86**
 OPERATOR **Bechtel D.O.C.** CONTRACTOR **Cleveland** RIG NO. **6**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **Ray P. Johnson** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **W.M. Gardner**

FIELD OF DIST. **Sutan Sea** COUNTY **Imperial** STATE **Calif**
 BORE LINE RECORD WELL NO. **10** PRESENT LENGTH
 MISC. MAKE WT. & OL. NO. PORTS FEET REC. TO CHG. NO. DEPTH
97% C-95 47 137 28 1000

DRILLING CREW PAYROLL DATA
 DATE **2-16-86**
 WELL NAME & NO. **Kennecott State 2-14**
 COMPANY **Bechtel D.O.C.**
 TOOL PUSHER **W.M. Gardner** RIG NO. **6**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1. SET UP				
2. DRILL ACTUAL	5	12C 7.26	RRS3 8 1/2	
3. DRILL TOTAL	12	21.79	Sec	
4. CONDUIT	2	36.51	596F	
5. DRILL TOTAL	17	41.65	OLUF	
6. DRILL TOTAL	27	81.26	9473	
7. DRILL TOTAL	64	124.66		
8. DRILL TOTAL		7912.35		
9. DRILL TOTAL		39		
10. DRILL TOTAL		9200		

FOOTAGE	FORMATION	REMARKS
7973		
817-5281-5282-5283-5284-5285-5286-5287-5288-5289-5290-5291-5292-5293-5294-5295-5296-5297-5298-5299-5300		
12		mix mud
1		mix mud Pump 200 RPM mud no flow
2		work Dr. Run in
3		Run in to shoe
4		Fill Pipe mix hcm pill
5		mix hcm pill
6		Run in to 9200
7		Fill Pipe mix cement

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Cronan JR	8
DREMAN		K.C. Singleton	8
MTRMAN		H.E. Ries	8
FIREMAN		B.J. Schlachter	8
FLRMAN		Aw Stout	8

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	12C 7.26	RRS3 8 1/2	
2	21.79	Sec	
3	36.51	596F	
4	41.65	OLUF	
5	81.26	9473	
6	124.66		
7	7912.35		
8	39		
9	9200		

FOOTAGE	FORMATION	REMARKS
9473		
8		1 gal Retardant
9		Run up 150 lbs. Cement of hcm plug @ 9200 O.P. w/ 1000 gal water
10		Run to 8500 Pump 500 RPM Cement of hcm plug w/ 500 gal water
11		Run to 7400 mix Cement hcm - 1 gal Retardant
12		Run to 6500 Pump Cement of hcm plug on place @ 11:30 P.O.H. shoe
13		W.C.
14		W.C.
15		W.C.
16		W.C.
17		W.C.
18		W.C.
19		W.C.
20		W.C.
21		W.C.
22		W.C.
23		W.C.
24		W.C.
25		W.C.
26		W.C.
27		W.C.
28		W.C.
29		W.C.
30		W.C.
31		W.C.
32		W.C.
33		W.C.
34		W.C.
35		W.C.
36		W.C.
37		W.C.
38		W.C.
39		W.C.
40		W.C.
41		W.C.
42		W.C.
43		W.C.
44		W.C.
45		W.C.
46		W.C.
47		W.C.
48		W.C.
49		W.C.
50		W.C.
51		W.C.
52		W.C.
53		W.C.
54		W.C.
55		W.C.
56		W.C.
57		W.C.
58		W.C.
59		W.C.
60		W.C.
61		W.C.
62		W.C.
63		W.C.
64		W.C.
65		W.C.
66		W.C.
67		W.C.
68		W.C.
69		W.C.
70		W.C.
71		W.C.
72		W.C.
73		W.C.
74		W.C.
75		W.C.
76		W.C.
77		W.C.
78		W.C.
79		W.C.
80		W.C.
81		W.C.
82		W.C.
83		W.C.
84		W.C.
85		W.C.
86		W.C.
87		W.C.
88		W.C.
89		W.C.
90		W.C.
91		W.C.
92		W.C.
93		W.C.
94		W.C.
95		W.C.
96		W.C.
97		W.C.
98		W.C.
99		W.C.
100		W.C.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.P. Heenan	8
DREMAN		D. Vantassel	8
MTRMAN		C. Cantrell	8
FIREMAN		E.E. Hoff	8
FLRMAN		R. Heenan	8

NO.	DRILLING ASSEMBLY	BIT RECORD	LOG RECORD
1	12C 7.26	RRS3 8 1/2	
2	21.79	Sec	
3	36.51	596F	
4	41.65	OLUF	
5	81.26	9473	
6	124.66		
7	7912.35		
8	39		
9	9200		

FOOTAGE	FORMATION	REMARKS
9473		
4		W.C.
5		W.C.
6		W.C.
7		W.C.
8		W.C.
9		W.C.
10		W.C.
11		W.C.
12		W.C.
13		W.C.
14		W.C.
15		W.C.
16		W.C.
17		W.C.
18		W.C.
19		W.C.
20		W.C.
21		W.C.
22		W.C.
23		W.C.
24		W.C.
25		W.C.
26		W.C.
27		W.C.
28		W.C.
29		W.C.
30		W.C.
31		W.C.
32		W.C.
33		W.C.
34		W.C.
35		W.C.
36		W.C.
37		W.C.
38		W.C.
39		W.C.
40		W.C.
41		W.C.
42		W.C.
43		W.C.
44		W.C.
45		W.C.
46		W.C.
47		W.C.
48		W.C.
49		W.C.
50		W.C.
51		W.C.
52		W.C.
53		W.C.
54		W.C.
55		W.C.
56		W.C.
57		W.C.
58		W.C.
59		W.C.
60		W.C.
61		W.C.
62		W.C.
63		W.C.
64		W.C.
65		W.C.
66		W.C.
67		W.C.
68		W.C.
69		W.C.
70		W.C.
71		W.C.
72		W.C.
73		W.C.
74		W.C.
75		W.C.
76		W.C.
77		W.C.
78		W.C.
79		W.C.
80		W.C.
81		W.C.
82		W.C.
83		W.C.
84		W.C.
85		W.C.
86		W.C.
87		W.C.
88		W.C.
89		W.C.
90		W.C.
91		W.C.
92		W.C.
93		W.C.
94		W.C.
95		W.C.
96		W.C.
97		W.C.
98		W.C.
99		W.C.
100		W.C.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dabarsch	8
DREMAN		D. Hudson	8
MTRMAN		R. Swank	8
FIREMAN		B. Fortin	8
FLRMAN		J. Carr	8

No. 45039

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott State WELL NO. 2-14 API WELL NUMBER 2-17-86 DATE 2-17-86
 OPERATOR Beghtel D.O.E. CONTRACTOR Cleveland RIG NO. 6
 SIGNATURE OF OPERATOR'S REPRESENTATIVE [Signature] SIGNATURE OF CONTRACTOR'S TOOL PUSHER [Signature]
 D.O. REG. 5 PL. ST. 185 V. E. 185 G. 185 TOOLS & DIE TYPE 4RIE 198 STERNO NO. 123 PUMP NO. 1 PUMP MANUFACTURER National TYPE N1300 FLUID 16

WELL OR DIT. Salt Lake COUNTY Imperial STATE Calif BUREAU OF RECORDS REG. NO. 133 THE LINES 10 FT. DEPTH 6000
 REG. NO. 9978 NAME C-95 FT. & GR. 47 JOE. SPTS. 137 FEET 28 REG. TO COL. NO. 6000 FT. CUT OFF 6000 PRESENT LENGTH 6000
 LAST CASING LOGGED IN LINE 1 TO BE OR TEST. SINCE LAST CUT 1 CUMULATIVE TO BE OR TESTS 1

DRILLING CREW PATROLL DATA
 DATE 2-17-86
 WELL NAME & NO. Kennecott State 2-14
 COMPANY Beghtel D.O.E.
 TOOL PUSHER [Signature] RIG NO. 6

TIME DISTRIBUTION - HOURS		DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	OPERATION	NO.	DRILLING ASSEMBLY	BIT NO.	BIT RECORD	TIME	MUD RECORD
1	DRILL UP AND TEAR DOWN	1	75	87	87		
2	DRILL ACTUAL	1	425	87	87		
3	GRABING	1	9200	87	87		
4	CORING	1	123	87	87		
5	CONCRETE	1	3320	87	87		
6	TRIPS	1	465	87	87		
7	LUBRICATED	1	812.66	87	87		
8	REPAIRS	1	948.51	87	87		
9	REPAIRS	1		87	87		
10	REPAIRS	1		87	87		
11	REPAIRS	1		87	87		
12	REPAIRS	1		87	87		
13	REPAIRS	1		87	87		
14	REPAIRS	1		87	87		
15	REPAIRS	1		87	87		
16	REPAIRS	1		87	87		
17	REPAIRS	1		87	87		
18	REPAIRS	1		87	87		
19	REPAIRS	1		87	87		
20	REPAIRS	1		87	87		
21	REPAIRS	1		87	87		
22	REPAIRS	1		87	87		
23	REPAIRS	1		87	87		
24	REPAIRS	1		87	87		
25	REPAIRS	1		87	87		
26	REPAIRS	1		87	87		
27	REPAIRS	1		87	87		
28	REPAIRS	1		87	87		
29	REPAIRS	1		87	87		
30	REPAIRS	1		87	87		
31	REPAIRS	1		87	87		
32	REPAIRS	1		87	87		
33	REPAIRS	1		87	87		
34	REPAIRS	1		87	87		
35	REPAIRS	1		87	87		
36	REPAIRS	1		87	87		
37	REPAIRS	1		87	87		
38	REPAIRS	1		87	87		
39	REPAIRS	1		87	87		
40	REPAIRS	1		87	87		
41	REPAIRS	1		87	87		
42	REPAIRS	1		87	87		
43	REPAIRS	1		87	87		
44	REPAIRS	1		87	87		
45	REPAIRS	1		87	87		
46	REPAIRS	1		87	87		
47	REPAIRS	1		87	87		
48	REPAIRS	1		87	87		
49	REPAIRS	1		87	87		
50	REPAIRS	1		87	87		
51	REPAIRS	1		87	87		
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54	REPAIRS	1		87	87		
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77	REPAIRS	1		87	87		
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82	REPAIRS	1		87	87		
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84	REPAIRS	1		87	87		
85	REPAIRS	1		87	87		
86	REPAIRS	1		87	87		
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89	REPAIRS	1		87	87		
90	REPAIRS	1		87	87		
91	REPAIRS	1		87	87		
92	REPAIRS	1		87	87		
93	REPAIRS	1		87	87		
94	REPAIRS	1		87	87		
95	REPAIRS	1		87	87		
96	REPAIRS	1		87	87		
97	REPAIRS	1		87	87		
98	REPAIRS	1		87	87		
99	REPAIRS	1		87	87		
100	REPAIRS	1		87	87		

FOOTAGE		FORMATION		REMARKS	
FROM	TO	FORMATION	REMARKS	DEPTH	REMARKS
9473					
BY BITS - 3 DE - 5 1/2 - 5 1/2 - X 0 - 27 HW = 949.51					
DEVIATION RECORD					
DEPTH	DEVIATION	DIRECTION	DEPTH	DEVIATION	DIRECTION
12	1	6			
1	2	6			
2	3	6			
3	4	6			
4	5	6			
5	6	6			
6	7	5			
7	8	6			

MORNING TOUR		P.M. TOUR	
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Croner JR	8
DREMAN		F.C. Singleton	8
MUDMAN		H.E. Ries	8
FIREMAN		B.J. Schlachter	8
FLUEMAN		A.W. Stout	8
FLUEMAN			
FLUEMAN			
TRAMM			
NO ACC			

DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	DRILLING ASSEMBLY	BIT NO.	BIT RECORD	TIME	MUD RECORD
1	87	87	87		
2	87	87	87		
3	87	87	87		
4	87	87	87		
5	87	87	87		
6	87	87	87		
7	87	87	87		
8	87	87	87		
9	87	87	87		
10	87	87	87		
11	87	87	87		
12	87	87	87		
13	87	87	87		
14	87	87	87		
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71	87	87	87		
72	87	87	87		
73	87	87	87		
74	87	87	87		
75	87	87	87		
76	87	87	87		
77	87	87	87		
78	87	87	87		
79	87	87	87		
80	87	87	87		
81	87	87			

No. 45040

DAILY DRILLING REPORT REPORT NO.

LEASER Kennecott State	WELL NO. 2-14	API WELL NUMBER	DATE 2-18-86
OPERATOR Boghtel / D.O.C.	CONTRACTOR Cleveland		RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>S.W. Rieck</i> 2-18-86		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>W.M. Gardner</i>	
NO. OF B.S. 5	WT. OF B.S. 195	GRADE E	TOOL JOY OR TYPE 4 1/2" IF 123
NO. OF B.S. 5	WT. OF B.S. 195	GRADE G	TOOL JOY OR TYPE 4 1/2" IF 123
PUMP NO. 1	PUMP MANUFACTURER N1300	TYPE N1300	ALERT 16

FIELD OR DIST. Saltan Sec	COUNTY Imperial	STATE Calif	WIRE LINE RECORD NO. 1 138	NO. LINES 10	FT. RIPPED 50'
SIZE 9 5/8	NO. OF S.C. OR S.C. NO. C-95	NO. OF S.C. OR S.C. NO. 47	NO. OF S.C. OR S.C. NO. 137	NO. OF S.C. OR S.C. NO. 28	NO. OF S.C. OR S.C. NO. 6000
LATE CLOSING TIME ON LINE	TOOL JOY OR TRIPS SINCE LAST CUT				
CLIMATE TO H.L. OR TRIPS					

DRILLING CREW PAYROLL DATA
DATE **2-18-86**
WELL NAME & NO **Kennecott State 2-14**
COMPANY **Boghtel/D.O.C.**
TOOL PUSHER **W.M. Gardner** RIG NO.

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
		NO.	WT. (lb)	NO.	WT. (lb)	NO.	WT. (lb)
1. RUP AND TEST LOGS	2	XO	4.65	NO. 8	8 1/2"		
2. DRILL ACTUAL	2	XO	2.22	NO. 8	8 1/2"		
3. RUNNING	3	XO	93.00	NO. 8	8 1/2"		
4. CONING							
5. STOPPING FOR PROBLEMS							
6. TRIPS							
7. LUBRICATE DR							
8. STOPPING DR							
9. DRILLING LOG							
10. DEVIATION SURVEY							
11. WIRE LINE LOG							
12. RUN CASING & CEMENT							
13. CLEAN UP							
14. TEST LOG							
15. DRILL STOP TEST							
16. PUD BACK							
17. MUDSUCK CEMENT							
18. PUMPING							
19. DRILL WIRE							
20. TOTAL							

FOOTAGE	FROM	TO	NO. OF CORES	CORRECTION	FORMATION (SHOW CORE RECOVERY)	REMARKS	NO. OF TRIPS	PUMP NO. 1	PUMP NO. 2	NO. OF TRIPS
94										
DEVIATION RECORD										
DEPTH	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
12	1	1	6		Pull out measure out					
1	2	1	6							
2	3	1	6							
3	4	1	6							
4	5	1	6							
5	6	1	6		Make up Core BRL					
6	7	1	6		Run in and start Run in					
7	8	1/2	6	9	Run in 1/2 slip line 50'					

MORNING TOUR **7:00** P.M. **8:00** A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Cronan JR	8
DRAWER		F.C. Singleton	8
MUDMAN		H.E. Ries	8
FIREMAN		B.J. Schlaugter	8
FLIGHT		A.W. Stout	8
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT **NO ACC**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
		NO.	WT. (lb)	NO.	WT. (lb)	NO.	WT. (lb)
1. RUP AND TEST LOGS	1	XO	218	NO. 8	8 1/2"		
2. DRILL ACTUAL	1	XO	265	NO. 8	8 1/2"		
3. RUNNING	2	XO	722	NO. 8	8 1/2"		
4. CONING							
5. STOPPING FOR PROBLEMS							
6. TRIPS							
7. LUBRICATE DR							
8. STOPPING DR							
9. DRILLING LOG							
10. DEVIATION SURVEY							
11. WIRE LINE LOG							
12. RUN CASING & CEMENT							
13. CLEAN UP							
14. TEST LOG							
15. DRILL STOP TEST							
16. PUD BACK							
17. MUDSUCK CEMENT							
18. PUMPING							
19. DRILL WIRE							
20. TOTAL							

FOOTAGE	FROM	TO	NO. OF CORES	CORRECTION	FORMATION (SHOW CORE RECOVERY)	REMARKS	NO. OF TRIPS	PUMP NO. 1	PUMP NO. 2	NO. OF TRIPS
9479										
DEVIATION RECORD										
DEPTH	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
8	9	1	6		RIN					
9	10	3/4	6	5	RIN of full Drill pipe					
10	11	1	5		Clay Core mud mixed mud to build volume					
11	12	1	5							
12	1	1	5							
1	2	1	5							
2	3	1	5							
3	4	1	5							
4	5	1	5							

DAY TOUR **8 A.M.** **11 P.M.**

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		RA. Heenan	8
DRAWER		D. Ventresca	8
MUDMAN		E.E. Hoff	8
FIREMAN		B. Haines	8
FLIGHT		Leo McCarty	8
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT **NO ACC**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
		NO.	WT. (lb)	NO.	WT. (lb)	NO.	WT. (lb)
1. RUP AND TEST LOGS	1	XO	900.4	NO. 8	8 1/2"		
2. DRILL ACTUAL							
3. RUNNING							
4. CONING							
5. STOPPING FOR PROBLEMS							
6. TRIPS							
7. LUBRICATE DR							
8. STOPPING DR							
9. DRILLING LOG							
10. DEVIATION SURVEY							
11. WIRE LINE LOG							
12. RUN CASING & CEMENT							
13. CLEAN UP							
14. TEST LOG							
15. DRILL STOP TEST							
16. PUD BACK							
17. MUDSUCK CEMENT							
18. PUMPING							
19. DRILL WIRE							
20. TOTAL							

FOOTAGE	FROM	TO	NO. OF CORES	CORRECTION	FORMATION (SHOW CORE RECOVERY)	REMARKS	NO. OF TRIPS	PUMP NO. 1	PUMP NO. 2	NO. OF TRIPS
9479										
DEVIATION RECORD										
DEPTH	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
4	5	1/2	6	5-6	CIRG + COOD 1/2 R.H. 1/2 (slow)					
5	6	1	6		R.H. (slow) BRK CIRC. NO RETURN					
6	7	1/2	6	5-6	CIRG. NO RETURN 1/2 PULL TO BUTS SLOW 1/2 (BRK CIRC. NO RET.)					
7	8	1	6		PULL TO 7500, MARK. PULL TO 19, WIRE.					
8	9	1/2	6	5	PULL TO SHOW 1/2 BRK CIRC 1/2 (NO RET.)					
9	10	1	6		ROAD.					
10	11	1	6		LAY DOWN CORE BARREL					
11	12	1	6		PULL LUBRICATOR FOR TRIP SURVEY. PULL WIRE					

EVENING TOUR **4:00** P.M. **12:00** P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MADUS	8
DRAWER		DAVE TREVARTHEN	8
MUDMAN		BRUCE HENDRY	8
FIREMAN		TIM STEGALL	8
FLIGHT		ARMANDO RODRIGUEZ	8
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			
FLIGHT			

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT **NO ACC**

No. 45041

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14, DATE 2-19-86, OPERATOR Kennecott, CONTRACTOR Cleveland

SIGNATURE OF OPERATOR'S REPRESENTATIVE B.W. Reich, SIGNATURE OF CONTRACTOR'S TOOL PUSHER P.M. Gardner

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD

FIELD NO. 998, COUNTY Imperial, STATE Calif, WIRE LINE RECORD

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD

DRILLING CREW PAYROLL DATA, DATE 2-19-86, WELL NAME & NO. Kennecott 2-14

Table with columns: CREW, SOC. SEC. NO., NAME, HRS.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS.

Table with columns: CREW, SOC. SEC. NO., NAME, HRS.

No. 45042

DAILY DRILLING REPORT REPORT NO.

LEASE: Kennecott State 2-19, WELL NO. 2-19, API WELL NUMBER, DATE 2-20-86, OPERATOR: Bechtel D.O.E., CONTRACTOR: Cleveland National, SIGNATURE OF OPERATOR'S REPRESENTATIVE: S.W. Guich, SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

WIRE LINE RECORD: SIZE 1 7/8, INCHES 10, FEET CUT OFF, WIRE LINE RECORD: SIZE 9 5/8, C-95, 91, 137, 28, 6000

DRILLING CREW PATROLL DATA: DATE 2-20-86, WELL NAME & NO. Kennecott State 2-19, COMPANY: Bechtel D.O.E., TOOL PUSHER: [Signature], RIG NO. 6

TIME DISTRIBUTION - HOURS: TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and various well activities.

FOOTAGE RECORD: TABLE with columns for FROM, TO, CODE NO., FORMATION, and DEVIATION RECORD.

MORNING TOUR 12:00 P.M. 8:00: CREW LIST including WE Cronan, JR, FC Simploton, HE Ries, BJ Schluchter, AW Stout.

NO. TEST RUNS: TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, and test run details.

FOOTAGE RECORD: TABLE with columns for FROM, TO, CODE NO., FORMATION, and DEVIATION RECORD.

DAY TOUR 8:00 A.M. 4:00 P.M.: CREW LIST including R. Daharsh, V.D. Hudson, L SWANK, L. McCarthy, J. Carr.

TOTALS: SUMMARY TABLE for bit wear, mud, and other drilling metrics.

FOOTAGE RECORD: TABLE with columns for FROM, TO, CODE NO., FORMATION, and DEVIATION RECORD.

EVENING TOUR 4:00 P.M. 12:00: CREW LIST including DAVID MATHIS, DAVID TREVARTHEN, ERIC HENDRY, TOM STEGALL, ARMANDO RODRIGUEZ.

No. 45043

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Kennecott State</i>		WELL NO. <i>2-14</i>	API WELL NUMBER		DATE <i>2-21-86</i>
OPERATOR <i>Bechtel DOE</i>			CONTRACTOR <i>Cleveland</i>		
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>B.W. Reich</i>			SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Speland Mackel</i>		
DATE <i>2-21-86</i>			WELL NO. <i>6</i>		
NO. BEE	DI. IN.	GRADE	TOOL JT. G.D.	TYPE THREAD	STRING NO.
1	19.5	B	6 1/4	4 UNIF 138	1
2	19.5	E	6 1/4	4 UNIF 138	2

FIELD OR DIST. <i>Salt Lake</i>	COUNTY <i>Imperial</i>	STATE <i>Calif</i>	EST. LINE RECORDED	WELL NO.
DATE <i>9/7/8</i>	NAME <i>C-95</i>	DEPT. <i>47</i>	FEET <i>127</i>	EST. AT <i>28</i>
LAST DRILLING ON LOG	DATE <i>6/20</i>	CUMULATIVE TOE IN. OR FEET	PRESENT LENGTH	

DRILLING CREW PAYROLL DATA			
DATE	<i>2-21-86</i>		
WELL NAME & NO.	<i>Kennecott State 2-14</i>		
COMPANY	<i>Bechtel DOE</i>		
TOOL PUSHER	<i>Wendland Mackel</i>		
WELL NO.	<i>6</i>		

TIME DISTRIBUTION - HOURS	NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
OPERATION	HOURS	DAY	EYE	DI. IN.	DI. IN.	DI. IN.
1. PREP AND START UP						
2. DRILL ACTUAL						
3. STOPPING						
4. COLLAR						
5. POSITIONING AND ORIENT						
6. TURNS						
7. LUBRICATE HO						
8. REPAIR HO						
9. CLEAN LINE						
10. DEVIATION SURVEY						
11. WIRE LINE LOG						
12. RUN CEMENT						
13. CEMENT						
14. CLEAN UP						
15. SHUT IN						

FOOTAGE	FORMATION	RETAIN	ST. IN.	POP. FEET	PUMP NO. /	PUMP NO. 2	ST. IN.
FROM TO	(SHOW CORE RECOVERY)						
9473				200	6"	7"	30 5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
12	1	K	4	5					
1	2			5					
2	3			5					
3	4			5					
4	5	1/2	1/2	5	1/2				
5	6			6					
6	7			6					
7	8			6					

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>W.E. Cronen JR</i>	<i>8</i>
DREWMAN		<i>F.C. Singleton</i>	<i>8</i>
WTRMAN		<i>H.E. Ries</i>	<i>8</i>
FIRSMAN		<i>B.J. Schlichter</i>	<i>8</i>
FLRMAN		<i>A.W. Stout</i>	<i>8</i>
FLRMAN			
FLRMAN			
TRAMM			

H.E. Ries OBJECT IN EYE

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	<i>BS 257</i>	<i>BS 257</i>	<i>BS 257</i>
2	<i>BS 339</i>	<i>BS 339</i>	<i>BS 339</i>
3	<i>BS 110</i>	<i>BS 110</i>	<i>BS 110</i>
4	<i>BS 812.6</i>	<i>BS 812.6</i>	<i>BS 812.6</i>
5	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>

FOOTAGE	FORMATION	RETAIN	ST. IN.	POP. FEET	PUMP NO. /	PUMP NO. 2	ST. IN.
FROM TO	(SHOW CORE RECOVERY)						
9473				400	6"	7"	35 5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8	9			6					
9	10			6					
10	11			6					
11	12	X-X		6					
12	13			6					
1	2			6					
2	3			6					
3	4			6					

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>A. Bahash</i>	<i>8</i>
DREWMAN		<i>V.D. Hudson</i>	<i>8</i>
WTRMAN		<i>R. Sraak</i>	<i>8</i>
FIRSMAN		<i>B. Fortin</i>	<i>8</i>
FLRMAN		<i>J. Carr</i>	<i>8</i>
FLRMAN			
FLRMAN			
TRAMM			

No Rec.

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
2	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
3	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
4	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
5	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
6	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
7	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
8	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
9	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
10	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
11	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>
12	<i>BHA 851.47</i>	<i>BHA 851.47</i>	<i>BHA 851.47</i>

FOOTAGE	FORMATION	RETAIN	ST. IN.	POP. FEET	PUMP NO. /	PUMP NO. 2	ST. IN.
FROM TO	(SHOW CORE RECOVERY)						
7237	<i>CEMENT</i>			80	1/4	6"	58 7 35 5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4	5	1/2	1/2	21-6					
5	6	1/2	1/2	21-6					
6	7			21					
7	8	1/2	1/2	21-6					
8	9			21					
9	10			21					
10	11			21					
11	12	1/2	1/2	21-6					

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>DAVID MALIN</i>	<i>8</i>
DREWMAN		<i>DAVE EDWARDS</i>	<i>8</i>
WTRMAN		<i>BOB HENDRY</i>	<i>8</i>
FIRSMAN		<i>Tom STEWART</i>	<i>8</i>
FLRMAN		<i>ARMAND RODRIGUEZ</i>	<i>8</i>
FLRMAN			
FLRMAN			
TRAMM			

DRILLING STOPPED IN STEERING LIQUID IN LEFT FLOW IN DEPTH

FORM 315 APPROVED

IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED No. 45043

No. 45044

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR, WELL NO., API WELL NUMBER, DATE, SIGNATURE OF OPERATOR'S REPRESENTATIVE, SIGNATURE OF CONTRACTOR'S TOOL PUSHER, PUMP MANUFACTURER, TYPE, GRADE.

WIRE LINE RECORD, TABLE with columns: WIRE LINE RECORD, FEET, CORR. NO., SET AT, INCHES, WIRE LINE RECORD, FEET, CORR. NO., SET AT.

TIME DISTRIBUTION - HOURS, TABLE with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, TIME.

FOOTAGE, TABLE with columns: FROM, TO, CORR. NO., FORMATION (SHOW CORRECOVERY), METHOD OF BIT LOSS, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD OF BIT LOSS.

DRILLING CREW PAYROLL DATA, TABLE with columns: DATE, WELL NAME & NO., COMPANY, TOOL PUSHER, RIG NO., MORNING TOUR, CREW, SOC. SEC. NO., NAME, HRS.

MORNING TOUR, TABLE with columns: CREW, SOC. SEC. NO., NAME, HRS.

TIME DISTRIBUTION - HOURS, TABLE with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, TIME.

FOOTAGE, TABLE with columns: FROM, TO, CORR. NO., FORMATION (SHOW CORRECOVERY), METHOD OF BIT LOSS, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD OF BIT LOSS.

DAY TOUR, TABLE with columns: CREW, SOC. SEC. NO., NAME, HRS.

TIME DISTRIBUTION - HOURS, TABLE with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, TIME.

FOOTAGE, TABLE with columns: FROM, TO, CORR. NO., FORMATION (SHOW CORRECOVERY), METHOD OF BIT LOSS, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD OF BIT LOSS.

EVENING TOUR, TABLE with columns: CREW, SOC. SEC. NO., NAME, HRS.

No. 45046

DAILY DRILLING REPORT REPORT NO.

WELL NO. Keweenaw State **API WELL NUMBER** 2-24-86 **DATE** 2-24-86
OPERATOR Keweenaw State **CONTRACTOR** Cleveland Drilling Co. **FIELD OR DIST.** 24th St **COUNTY** LeSage **STATE** MO
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Branch **SIGNATURE OF CONTRACTOR'S TOOL PUSHER** S. Sillard **MIG NO.** -6
R.E. SIZE 5" **WT./FT.** 125 E **GRADE** **TOOL JT. G.** **TYPE** **STRING NO.** **PUMP NO.** **PUMP MANUFACTURER** **TYPE** **CLASS**
 5" 125 E 64 11 12 18 2 1-1000 N-1
 5" 125 E 64 11 12 18 2 1-1000 N-1

FIELD OR DIST. 24th St **COUNTY** LeSage **STATE** MO
WIRE LINE RECORD **DRILL NO.**
 NO. 190 NO. 10
 TYPE AND SIZE OF CUT OFF PRESENT LENGTH
FORMATION
 FROM CORE RECOVERY
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLING CREW PAYROLL DATA
DATE 2-24-86
WELL NAME & NO. Keweenaw State 24
COMPANY Cleveland Drilling Co.
TOOL PUSHER S. Sillard **RIG NO.** -6
MORNING TOUR 12 P.M. 8 A.M.

TIME DISTRIBUTION - HOURS

OPERATION	MON	TUE	WED	THUR	FRI	SAT	SUN	TOTAL
DRILLING								
TRIP								
CRUISE								
REPAIRS								
TESTING								
OTHER								

FOOTAGE
FORMATION
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
 18 1 3/4 5-8
 2 2 1 6
 3 2 1 6
 4 2 1 6
 5 2 1 6
 6 2 1 6
 7 2 1 6
 8 2 1 6
 9 2 1 6
 10 2 1 6
 11 2 1 6
 12 2 1 6
DRILLER R.A. Newman

MORNING TOUR 12 P.M. 8 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.A. Newman	8
DREMAN		D. Cantelano	8
STEWMAN		G. Cantelano	8
FIREMAN		E. E. Hoff	8
FLSMAN		Lee M. Cooley	8
FLSMAN			
FRAMER		Da. Acc	

DRILLING ASSEMBLY
BIT RECORD
MWD RECORD
OPERATOR'S COMMENTS

FOOTAGE
FORMATION
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
 1 8
 2 9
 3 10
 4 10
 5 11
 6 11
 7 11
 8 11
 9 11
 10 11
 11 11
 12 11
DRILLER R.A. Newman

DAY TOUR 8:00 A.M. 4:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dehorst	8
DREMAN		V.P. Hudson	8
STEWMAN		R. Smack	8
FIREMAN		B. Fortin	8
FLSMAN		J. Carr	8
FRAMER		No Acc	

DRILLING ASSEMBLY
BIT RECORD
MWD RECORD
OPERATOR'S COMMENTS

FOOTAGE
FORMATION
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
 1 9
 2 10
 3 10
 4 11
 5 11
 6 11
 7 11
 8 11
 9 11
 10 11
 11 11
DRILLER David Mathew

EVENING TOUR 4:00 P.M. 12:00 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DREMAN		DAVE TRAYBARTHEN	8
STEWMAN		BRUCE HENDRY	8
FIREMAN		TOM STELLER	8
FLSMAN		ARMANDO RODRIGUEZ	8
FRAMER		No Acc	

No. 45047

DAILY DRILLING REPORT REPORT NO.

LEASE Kinncoff State				WELL NO. 2-14		API WELL NUMBER		DATE 2-25-86	
OPERATOR Brechtel OPE				CONTRACTOR Chesland Drilling Co.		FIELD NO. 5879		STATE Calif.	
SIGNATURE OF OPERATOR REPRESENTATIVE L.W. Reich				SIGNATURE OF CONTRACTOR TOOL PUSHER William Michel		WIRE LINE RECORD NO. LINE 7510 10		WELL DEPTH 249 ft	
DATE 2-25-86				SIGNATURE OF CONTRACTOR William Michel		WIRE LINE RECORD W. L. NO. 249 ft		PREV. LOG NO.	

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY			BIT RECORD			MUD RECORD		
		TOOL JOINT	TYPE	STRING NO.	BIT NO.	SIZE	WGT	TIME	WGT	TIME
A. PREP AND START	1	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
B. DRILL ACTUAL	5	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
C. BREAKING	1 1/4	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
D. CORING	1	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
E. POSITIONING AND REGRADING	3/4	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
F. TIE IN	6 1/4	8 1/2	277	1	8 1/2	277	1	8 1/2	277	
G. LUBRICATE DR										
H. REPAIR DR										
I. DRILL LINE	1									
J. REVISION SURVEY										
K. WIRE LINE LOSS										
L. S. CORRECT										
M. SHUT IN										
N. STOP AT										
O. TEST & S.P.										
P. DRILL STOP TEST										
Q. PLUG BACK										
R. HOLETEST										
S. STOP										
T. PERMIT TO										
U. END TRIPS										
V. TREATING										
W. SHUTTING										
X. TESTING										
Y. ABANDON										
Z. TOTAL										

FOOTAGE	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION
8017									
9517									
9419									

FOOTAGE	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION
9517									
9419									

FOOTAGE	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION
9517									
9419									

FOOTAGE	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION	FORMATION
9517									
9419									

MORNING TOUR	12 P.M.	3 A.M.
DRILLER	RA. Herman	8
DRENNAN	D. Vantassal	8
WTRMAN	C. Cantrell	8
FIREMAN	E. E. Hoff	8
FLMAN	Ken McCreath	8
FLMAN		
FLMAN		
FRAME	No Acc.	

DAY TOUR	8:00 A.M.	4:00 P.M.
DRILLER	R. Dabarsch	8
DRENNAN	V. D. Hudson	8
WTRMAN	R. Smack	8
FIREMAN	B. Fortin	8
FLMAN	J. Carr	8
FLMAN		
FLMAN		
FRAME	No Acc.	

EVENING TOUR	4:00 P.M.	12:00 P.M.
DRILLER	W. E. Cronan JR	8
DRENNAN	F. C. Singleton	8
WTRMAN	H. E. Bies	8
FIREMAN	B. J. Schuchter	8
FLMAN	A. W. Stout	8
FLMAN		
FLMAN		
FRAME		

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED No. 45047

No. 45048

DAILY DRILLING REPORT REPORT NO.

LEASE Kemencott State		WELL NO. 2-14		API WELL NUMBER		DATE 2-26-86	
OPERATOR Bechtel & OGE		CONTRACTOR Cleveland Drilling Co.		RIG NO. #6		FIELD OR DIST. South	
SIGNATURE OF OPERATOR'S REPRESENTATIVE B.W. Bunch		SIGNATURE OF CONTRACTOR'S TOOL PUSHER Richard Nickel		SIGNATURE OF CONTRACTOR'S TOOL PUSHER R.M. Anderson		COUNTY Impress	
STATE OK		GRADE 2-26-86		TOOL JOE NO. 614		TYPE THREAD 1/2"	
WELL DEPTH 195'		WELL TYPE E		WELL NO. 2		WELL MANUFACTURER National	
WELL DIRECTION S		WELL LENGTH 195'		WELL DATE 1-13-80		WELL LENGTH 195'	

TIME DISTRIBUTION - HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
A. 1st shift		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
B. 2nd shift		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
C. 3rd shift		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
D. TOTAL		NO. DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	

FOOTAGE		FORMATION		MUD RECORD	
FOOTAGE		FORMATION		MUD RECORD	
FOOTAGE		FORMATION		MUD RECORD	
FOOTAGE		FORMATION		MUD RECORD	

DRILLING CREW PAYROLL DATA			
DATE 2-26-86			
WELL NAME & NO. Kemencott State 2-14			
COMPANY Bechtel & OGE			
TOOL PUSHER Richard Nickel R.M. Anderson - 6			
MORNING TOUR 12:30 P.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.A. Heeman	8
DREMAN		C. Vanhook	8
WTRMAN		C. Cantrell	8
FIREMAN		E.E. Hoff	8
FLRMAN		Lee M. Canty	8
FLRMAN			
FLRMAN			
FRAME		Safety meeting	
FRAME		No Acc.	
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			
DAY TOUR 8:00 A.M.		P.M. 4:00	
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R. Dahrash	8
DREMAN		V.D. Hudson	8
WTRMAN		R. Swank	8
FIREMAN		B. Fortin	8
FLRMAN		J. Carr	8
FLRMAN			
FLRMAN			
FRAME		No Acc.	
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			
EVENING TOUR 4:00 P.M.		P.M. 12:00	
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.F. Cronquist	8
DREMAN		E.C. Singleton	8
WTRMAN		H.E. Bies	8
FIREMAN		B.J. Schlachter	8
FLRMAN		AW Stout	8
FLRMAN			
FLRMAN			
FRAME		No Acc.	
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT			

IADC- API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED No. 45048

No. 45049

DAILY DRILLING REPORT REPORT NO.

OPERATOR: *Kennecott State* WELL NO: *8-11* DATE: *8-27-86*

CONTRACTOR: *Christiansen Drilling Co* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *W. L. Gardner*

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *S.W. Quirk* DATE: *8-27-86*

WELL LINE RECORD: RIG NO. *86* BHA: *926* C-95: *47* 157: *28* 1600: *28*

TIME DISTRIBUTION - HOURS table with columns for operation, hours, and minutes.

FOOTAGE table with columns for FROM, TO, and DEPTH, including deviation records.

DRILLING CREW PAYROLL DATA: DATE: *8-27-86* WELL NAME: *Kennecott State 8-11*

MORNING TOUR table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MUD RECORD.

FOOTAGE table with columns for FROM, TO, and DEPTH, including deviation records.

AFTERNOON TOUR table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

DRILLING ASSEMBLY table with columns for NO., BIT RECORD, and MUD RECORD.

FOOTAGE table with columns for FROM, TO, and DEPTH, including deviation records.

EVENING TOUR table with columns for CREW, SOC. SEC. NO., NAME, and HRS.

No. 45050

DAILY DRILLING REPORT

Well No. 2-11, Date 2-28-86, Operator Keenan State, Signature of Operator's Representative S.W. Bush, Signature of Contractor's Top Engineer J.M. Gardner, Contractor Cleveland Oil Co., Pump Manufacturer National, Pump No. A1300.

Field No. 51700, Well No. 2-11, Size 8 1/2, Weight 137, Rotary Speed 28, Bit Size 7 1/2, Pump No. 1, Pump No. 2.

Drilling Crew Payroll Data, Morning Tour, Crew: RB. Heaman (8 hrs), D. Ventassel (8 hrs), C. Cantassel (8 hrs), E.E. McEld (8 hrs), Lea McCaskey (8 hrs).

Time Distribution - Hours table with columns for NO., OPERATOR, HOUR, DAY, EYE. Includes entries for 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th hours.

Footage and Formation table for 9697-9698. Includes columns for FROM, TO, FEET, CORE NO., FORMATION, DEVIATION RECORD.

Evening Tour table with columns for CREW, SOC. SEC. NO., NAME, HRS. Crew: DAVID MAHUS (8 hrs), DAVE J. REKAR (8 hrs), BOB. HAWK (8 hrs), TOM. SULLIVAN (8 hrs), MICHAEL RODRIGUEZ (8 hrs).

Drilling Assembly and Bit Record table for 9698. Includes columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD.

Footage and Formation table for 9698. Includes columns for FROM, TO, FEET, CORE NO., FORMATION, DEVIATION RECORD.

Evening Tour table with columns for CREW, SOC. SEC. NO., NAME, HRS. Crew: W.F. CONNOR JR (8 hrs), F.C. SIMPSON (8 hrs), H.E. BIES (8 hrs), B.J. SCHLUCHTER (8 hrs), A.W. STOUT (8 hrs).

Drilling Assembly and Bit Record table for 9698. Includes columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD.

Footage and Formation table for 9698. Includes columns for FROM, TO, FEET, CORE NO., FORMATION, DEVIATION RECORD.

Evening Tour table with columns for CREW, SOC. SEC. NO., NAME, HRS. Crew: W.F. CONNOR JR (8 hrs), F.C. SIMPSON (8 hrs), H.E. BIES (8 hrs), B.J. SCHLUCHTER (8 hrs), A.W. STOUT (8 hrs).

No. 45051

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** WELL NO **2-14** API WELL NUMBER **3-1-86** DATE **3-1-86**

OPERATOR **Bechtel D.D.E.** CONTRACTOR **Cleveland** FIELD OR DIST. **Saltan Sec.** COUNTY **Impacrial** STATE **Ca.**

TIME DISTRIBUTION - HOURS table with columns for NO., OPERATION, MONTH, DAY, EVE. Includes entries for 1 AS 8 5, 2 V 8 5, 3 B 8 5, 4 C 8 5, 5 XD 1 2, 6 HV 2 2, 7 BHA 9 3, 8 ST 2 2, 9 T 2 2, 10 C 2 2, 11 P 2 2, 12 T 2 2, 13 C 2 2, 14 T 2 2, 15 P 2 2, 16 C 2 2, 17 T 2 2, 18 C 2 2, 19 T 2 2, 20 P 2 2, 21 C 2 2, 22 T 2 2, 23 P 2 2, 24 C 2 2.

WIRE LINE RECORD REV. NO. **10** WELP. EPPED **0** DATE **3-1-86** WELL NAME & NO. **Kennecott State 2-14**

FOOTAGE **109'** table with columns for FROM, TO, CORR. NO. Includes entries for 9698, 9807, 9807, 9869, 9869. FORMATION: B-T Hammer BS 3-DC 5th Toss, etc.

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members R. Dahgresh, V.D. Hudson, R. Swank, B. Fortin, J. Carr.

MUD RECORD table with columns for TIME, PRESSURE, GRAINITY, VISC., SOLIDS % WGT. Includes entries for 1200, 1400, 1600, 1800.

FOOTAGE **62'** table with columns for FROM, TO, CORR. NO. Includes entries for 9807, 9869, 9869. FORMATION: SILTSTONE-CLAYSTONE-SHALE.

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members DAVID MATHIS, DAVE THURMAN, TOM STRALL, ARMANDO RODRIGUEZ, JOHN CARR.

BIT RECORD table with columns for BIT NO., BIT SIZE, BIT WEIGHT, BIT TYPE. Includes entries for RR 56, Varel, V-527, 0147.

FOOTAGE **109'** table with columns for FROM, TO, CORR. NO. Includes entries for 9869, 9907, 9907. FORMATION: SILTSTONE + claystone + shale.

DRILLING CREW PAYROLL DATA table with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes crew members W.E. Cranon, F.E. Singleton, H.E. Ries, B.J. Schluchter, A.W. Stout.

No. 45052

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott WELL NO 2-11 API WELL NUMBER 3-2-86 DATE CONTRACTOR Bachtel & D.O.F. SIGNATURE OF OPERATOR'S REPRESENTATIVE...

FIELD OFFICE Saltton Sea COUNTY Imperial STATE Ca WIRE LINE RECORD... FOOTAGE 9907 TO 9910... FORMATION C 36...

DRILLING CREW PAYROLL DATA DATE 3-2-86 WELL NAME & NO. Kennecott State 2-14 COMPANY Bachtel & D.O.F. TOOL PUSHER...

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes entries for 1. X.O. Sub 3.33, 2. Jars 3.38, 27. HW 812.66.

FOOTAGE and DEVIATION RECORD TABLE. FOOTAGE: 9907 TO 9910. DEVIATION RECORD: FROM 1 TO 7. FORMATION: C 36. OPERATIONS IN SEQUENCE AND REMARKS: P.O.H., P.O.H. - break bit, Get up Core barrel & RIH...

MORNING TOUR 8:00 - 8:00 P.M. CREW LIST: DRILLER R. Doharsh, DREAMER V.D. Hudson, WERMAN H.L. Ries, FIREMAN B. Lortia, FLARMAN J. Carr.

TIME DISTRIBUTION - HOURS TABLE. Includes entries for 2. X.O. SUBS 3.33, 27. HW 812.66, 28. BHA 889.96.

FOOTAGE and DEVIATION RECORD TABLE. FOOTAGE: 9907 TO 9910. DEVIATION RECORD: FROM 8 TO 11. FORMATION: C 36. OPERATIONS IN SEQUENCE AND REMARKS: R.I.H. TO BR 1/2 BRK. CIR. & CIR. 1/4 R.I.H. TAG BOTTOM @ 9907.4...

DAY TOUR 8:00 - 4:00 P.M. CREW LIST: DRILLER DAVID MATHEIS, DREAMER DAVID THEVARTAN, WERMAN TOM STEGALL, FIREMAN ARMANDO RODRIGUEZ, FLARMAN ROCKY HARRIS.

TIME DISTRIBUTION - HOURS TABLE. Includes entries for 28. BHA 889.96, 29. HW 812.66, 30. HW 812.66.

FOOTAGE and DEVIATION RECORD TABLE. FOOTAGE: 9910 TO 9912. DEVIATION RECORD: FROM 4 TO 11. FORMATION: C 36. OPERATIONS IN SEQUENCE AND REMARKS: Acc. OK cam ok, Pullout on 3/4 STD, Circ. sand mud, Pump Pul.

EVENING TOUR 4:00 - 12:00 P.M. CREW LIST: DRILLER W.F. Cronen JR, DREAMER F.C. Sirevatan, WERMAN H.L. Ries, FIREMAN B.J. Schlachter, FLARMAN A.W. Stout.

No. 45053

DAILY DRILLING REPORT REPORT NO.

WELL NO. 2-14	API WELL NUMBER	DATE 3-3-86
OPERATOR Keenecott	CONTRACTOR Cleveland	RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE Ray Peterson	SIGNATURE OF CONTRACTOR'S TOOL PUSHER M. Gardner	
D.P. SIZE 5" 19.5 E	TOOL JOINT 6 1/4 IF 199	STRING NO. 123
PUMP NO. 122	PUMP MANUFACTURER National	TYPE N-1300

FILE NO. Sallon Sec	COURT Imperial	STATE Ca
LAST LOGGING 998	DATE C-95	WELL NO. 47
DEPT 137	FEET 28	DEPTH 6000
WELL LINE RECORD	DEPT TO PREV. CUT 198	WELL NO. 10
TOOL PUSHER M. Gardner	RIG NO. 6	

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. TRIP AND RIG DOWN				
2. DRILL ACTUAL	6	BIT 8 1/2	25 FT	
3. BIT REMOVED	8	BIT 8 1/2	2.79	
4. CORING		TYPE	Varec	
5. POSITION AND CIRCULATE	13	TYPE	V-627	
6. TRIP	6 1/2	DEPTH OUT	9912	
7. LOGGERS		TOTAL PTL	9912	
8. PUMP END		TOTAL HRT		
9. RIG UP		STANDS UP		
10. RIG DOWN		STANDS DN		
11. TOTAL				

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY TIME	WELL LOG	WELL NO.
9912	CLAYSTONE	600	6"	7" 50 S
REMARKS: Bit BHS 2-DC 5 1/4 Torc XC 27-NW = 94872				
DEVIATION RECORD				
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
12		1	6	P.O.H.
1		2	6	P.O.H. - Service Core barrel.
2		3	6	Make up Drill Assy & R.H. - change out rotating head
3		4	6	R.H. rotate HW
4		5	6	R.H. to shoe
5		6	6	Circ. @ shoe
6		7	6	R.H. Pick up 835 of E. Pipe
7		8	6	R.H. @ Circ @ 8150

DRILLING CREW PAYROLL DATA	DATE 3-3-86
WELL NAME & NO. Keenecott State 2-14	
COMPANY Keenecott D.O.F.	
TOOL PUSHER M. Gardner	RIG NO. 6

MORNING TOUR	DATE	TIME	NAME	HRS.
8			P. Dalmish	8
8			V.D. Hudson	8
8			xx H.W. Stout	8
8			B. Fortin	8
8			J. Carr	8
			No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 8 1/2	25 FT	
2	BIT 8 1/2	2.79	
3	BIT 8 1/2	4.24	
3	BIT 6 1/4	99.00	
1	BIT 8 1/2	1.68	
27	BIT 8 1/2	812.66	
1	BIT 8 1/2	33.39	

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY TIME	WELL LOG	WELL NO.
9912	CLAYSTONE	55	35	500 L 55 7" 38 S
9824		60	5	500 L 7" 38 S
DEVIATION RECORD				
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
8		9	1	6 MAY DOWN D.P., R.I.H. (slow)
9		10	1	1/4 1/2 L-2 R.I.H. to 9824 1/2 REAM 9824-9912 1/2
10		11	1	2 DRILL
11		12	1	2
12		1	2	
1		2	2	
2		3	2	
3		4	2	

EVENING TOUR	DATE	TIME	NAME	HRS.
8			DAVID MATHIS	8
8			DAVE TREVARTHAN	8
8			TOM STEGALL	8
8			ARMANDO RODRIGUEZ	8
8			ROCKY HARRIS	8
			No Acc.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 8 1/2	75 FT	
1	BIT 8 1/2	2.99	
1	BIT 8 1/2	4.35	
3	BIT 6 1/4	99.00	
1	BIT 8 1/2	1.68	
27	BIT 8 1/2	812.66	
1	BIT 8 1/2	33.39	

FOOTAGE	FORMATION (SHOW CORE RECOVERY)	ROTARY TIME	WELL LOG	WELL NO.
9956	Clay stone	55	25	500 6" 7" 10 S
10009		55	25	500 6" 7" 10 S
DEVIATION RECORD				
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				
4		5	1	2 Drlg
5		6	1	2 "
6		7	1	2 "
7		8	1	2 "
8		9	1	2 "
9		10	1	2 "
10		11	1	2 "
11		12	1	2 "

MORNING TOUR	DATE	TIME	NAME	HRS.
8			W.E. Cranan JR	8
8			E.C. Singleton	8
8			H.E. Bies	8
8			B.J. Schlachter	8
8			AW Stout	8
			No Acc	

No. 45054

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kennecott WELL NO. 2-14 API WELL NUMBER DATE 3-4-86 CONTRACTOR Cleveland SIGNATURE OF OPERATOR'S REPRESENTATIVE ... SIGNATURE OF CONTRACTOR'S TOOL PUSHER ...

FOOTAGE RECORD FROM TO CORP NO. FORMATION (SHOW CORE RECOVERY) CLAYSTONE & SANDSTONE ...

DRILLING CREW PAYROLL DATA DATE 3-4-86 WELL NAME & NO Kennecott, State 2-14 COMPANY Bechtel & D.O.E. TOOL PUSHER ...

TIME DISTRIBUTION - HOURS TABLE with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. AS, 1. B, 3. C, 1. D, 1. E, 27. HW, 9. BHA.

FOOTAGE RECORD TABLE with columns for FROM, TO, CORP NO., FORMATION. Includes rows for 10,009, 12,061 D, 12,061 D, 12,061 D.

MORNING TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: R. Dabarsch, V.D. Hudson, D. Keibardt, B. Fortin, J. Carris.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. B, 1. C, 3. D, 1. E, 1. F, 27. HW, 9. BHA, 52. G, 9. J.

FOOTAGE RECORD TABLE (continued) with columns for FROM, TO, CORP NO., FORMATION. Includes rows for 12,061 D, 12,061 D, 12,061 D.

DAY TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: DAVID MATHEIS, DAVID FREYKHEAD, TOM SUGGALL, ARMANDO RODRIGUEZ, ROCKY HARRIS.

TIME DISTRIBUTION - HOURS TABLE (continued) with columns for NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Includes rows for 1. B, 1. C, 1. D, 1. E, 27. HW, 9. BHA, 9. J.

FOOTAGE RECORD TABLE (continued) with columns for FROM, TO, CORP NO., FORMATION. Includes rows for 10,061, 10,076 D, 10,076 D.

EVENING TOUR TABLE with columns for CREW, SOC. SEC. NO., NAME, HRS. Includes names: R.H. Hedeman, D. Vanlasse, C. Cantrell, E. E. Nellis, Leo McCarty.

No. 45055

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kennecott, WELL NO 2-14, DATE 3-5-86, CONTRACTOR Cleveland, SIGNATURE OF OPERATOR'S REPRESENTATIVE, SIGNATURE OF CONTRACTOR'S TOOL PUSHER, PUMP MANUFACTURER National, TYPE 11300, RIG NO. 6

FOOTAGE 84', FORMATION Sandstone, Chystone, 100%, 10, 140, D, DEVIATION RECORD, TIME LOG

DRILLING CREW PAYROLL DATA, DATE 3-5-86, WELL NAME & NO. Kennecott State 2-14, COMPANY Bechtel D.O.E., TOOL PUSHER Milard, RIG NO. 6

Table with columns: TIME DISTRIBUTION - HOURS, NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Rows include various drilling operations and measurements.

Table with columns: FOOTAGE, FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, PUMP NO. 3. Includes deviation records and time logs.

Table with columns: MORNING TOUR, DATE TOUR, CREW, SOC. SEC. NO., NAME, HRS. Lists crew members and hours worked.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Continuation of drilling data for the day.

Table with columns: FOOTAGE, FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, PUMP NO. 3. Includes deviation records and time logs.

Table with columns: DATE TOUR, CREW, SOC. SEC. NO., NAME, HRS. Lists crew members and hours worked.

Table with columns: NO., DRILLING ASSEMBLY, BIT RECORD, MID RECORD. Continuation of drilling data for the day.

Table with columns: FOOTAGE, FORMATION, RETRY, WT. ON BIT, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, PUMP NO. 3. Includes deviation records and time logs.

Table with columns: EVENING TOUR, DATE TOUR, CREW, SOC. SEC. NO., NAME, HRS. Lists crew members and hours worked.

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED (Logo) APPROVED (Logo) No. 45055

No. 45057

DAILY DRILLING REPORT REPORT NO.

LEASE **Kennecott** WELL NO. **2-14** API WELL NUMBER **3-7-86** DATE **3-7-86**

OPERATOR **Bechtel + D.O.E.** CONTRACTOR **Cleveland** RIG NO. **6**

SIGNATURE OF OPERATOR'S REPRESENTATIVE **Ray Ferguson** SIGNATURE OF CONTRACTOR'S TOOL PUSHER **Richard Michel**

WELL NAME & NO. **Kennecott State 2-14** STATE **CA**

TOOL PUSHER **Richard Michel** RIG NO. **6**

SIZE **9 7/8** C-95 47 137 38 600

LAST CORING DEPTH ON LINE

WELL LINE RECORD

REV. NO. **10** FT. LAPPED

REV. CUT OFF

PRESENT LENGTH

TOOL JO. OR TRIPS SINCE LAST CUT

CUMULATIVE TOOL JO. OR TRIPS

DRILLING CREW PAYROLL DATA

DATE **3-7-86**

WELL NAME & NO. **Kennecott State 2-14**

CONTRACTOR **Bechtel + D.O.E.**

TOOL PUSHER **Richard Michel** RIG NO. **6**

MORNING TOUR **12:00 P.M. 8:00 A.M.**

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. TOE UP AND 1/2 IN. DOWN				
2. DRILL ACTUAL	6	MC 31.68	59 8.7	1200 500 700
3. REMOVED				
4. CORING				
5. CONNECTION AND CONSOLIDITY				
6. TRIP				
7. LUBRICATE AND REPAIR JOG				
8. DRILL LINE				
9. DEVIATION SURVEY				
10. WIRE LINE LOSS				
11. WIRE CABLE				
12. DAY ON CONDUIT				
13. TRIP UP				
14. TEST B.P.				
15. DRILL TEST BIT				
16. PUMP BACK				
17. HOISTER CHECK				
18. PUMP				
19. SHUT DOWN				
20. TOTAL				
WT. OF STING				

FOOTAGE **44'** COR. NO. **17** FORMATION **Claystone, Siltstone Sandstone**

FROM **10,306** TO **10,350**

ROTARY RPM **585** WT. ON BIT **25** PUMP PRESS **600** PUMP NO. **1** PUMP NO. **2** METHOD **DRILL**

DEVIATION RECORD

DEPTH **10,350**

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

12 1 1 2 Drill

1 2 1 2 Drill

2 3 1 2 Drill

3 4 1 2 Drill

4 5 1 2 Drill

5 6 1 2 Drill

6 7 1 2 Drill

7 8 1 2 Drill

Depth to 6:00 10,350

Pump water P.H. Drop Multi-shot P.H. Fuel

8 P.O.H. Multi-shot 3 C.C. Raise mud wt.

MORNING TOUR

CREW SOC. SEC. NO. NAME HRS

DRILLER **R. Dabagh** 8

DREMAN **V. D. Hudson** 8

WTRMAN **R. Harris** 8

FIBERMAN **B. Fortin** 8

FLARMAN **J. Carr** 8

FRAMER **No Acc.**

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **8:00 A.M. 4:00 P.M.**

CREW SOC. SEC. NO. NAME HRS

DRILLER **R. Dabagh** 8

DREMAN **FRED SINGARSTON** 8

WTRMAN **HARRY RIES** 8

FIBERMAN **BEN SCHILLERER** 8

FLARMAN **A.W. STOUT** 8

FRAMER **No Acc.**

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	B/A 75.71	59 6.0	7.10 -
2	B/A 2.99	59 8.1/2	8.7
3	B/A 4.25	59 8.1/2	8.7
4	B/A 73.00	59 8.1/2	8.7
5	B/A 1.68	59 8.1/2	8.7
6	B/A 38.59	59 8.1/2	8.7
7	B/A 812.66	59 8.1/2	8.7
8	B/A 948.72	59 8.1/2	8.7
9	B/A 477.7	59 8.1/2	8.7
10	B/A 600	59 8.1/2	8.7
WT. OF STING			

FOOTAGE **24'** COR. NO. **18** FORMATION **Claystone of Sandstone**

FROM **10,350** TO **10,374**

ROTARY RPM **60** WT. ON BIT **25** PUMP PRESS **500** PUMP NO. **1** PUMP NO. **2** METHOD **DRILL**

DEVIATION RECORD

DEPTH **10,374**

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

8 9 1 5 CIRC. + BUILD WT.

9 10 1 5 BUILD WT. 1/2 P.O.H. w/ MULTI-SHOT 1/2

10 11 1 6 P.O.H. w/ MULTI-SHOT

11 12 1 6 RETRIEVE MULTI-SHOT 1/2 P.O.H. 1/2

1 2 1 6 P.O.H.

2 3 1 6 P.O.H. BEK BIT, L.D. STAB + M.C.

3 4 1 6 PUMP UP BHA - RUN M.C. - C.M. BUT HOLE W.L.H. - 3 L.O.W.

R.H. BLOW TO SHOW

EVENING TOUR

CREW SOC. SEC. NO. NAME HRS

DRILLER **R.D. Heerman** 8

DREMAN **D. Vantrassel** 8

WTRMAN **C. Cantrell** 8

FIBERMAN **E.E. Michel** 8

FLARMAN **Leo M. Cantrell** 8

FRAMER **No Acc.**

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **4 P.M. 12 P.M.**

CREW SOC. SEC. NO. NAME HRS

DRILLER **R.D. Heerman** 8

DREMAN **D. Vantrassel** 8

WTRMAN **C. Cantrell** 8

FIBERMAN **E.E. Michel** 8

FLARMAN **Leo M. Cantrell** 8

FRAMER **No Acc.**

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	B/A 25.71	60 7.0	7.0 2.0 11.0
2	B/A 1.59	60 8.1/2	8.7 8.9
3	B/A 2.25	60 8.1/2	8.7 8.9
4	B/A 73.00	60 8.1/2	8.7 8.9
5	B/A 1.68	60 8.1/2	8.7 8.9
6	B/A 38.59	60 8.1/2	8.7 8.9
7	B/A 812.66	60 8.1/2	8.7 8.9
8	B/A 948.72	60 8.1/2	8.7 8.9
9	B/A 477.7	60 8.1/2	8.7 8.9
10	B/A 600	60 8.1/2	8.7 8.9
WT. OF STING			

FOOTAGE **24'** COR. NO. **19** FORMATION **Claystone of Sandstone**

FROM **10,374** TO **10,398**

ROTARY RPM **60** WT. ON BIT **25** PUMP PRESS **500** PUMP NO. **1** PUMP NO. **2** METHOD **DRILL**

DEVIATION RECORD

DEPTH **10,398**

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

4 5 1 4 5.6 P.H. P.O.H. - C.M. + D.H.

5 6 1 4 6.3 P.H. + P.O.H. - 10.00

6 7 1 4 8.0 P.O.H.

7 8 1 4 3.6 2-3 P.O.H. to 10,398 of Delg. soft of P.H.

8 9 1 2 P.H.

9 10 1 2 P.H.

10 11 1 2 P.H.

11 12 1 2 P.H.

NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAY TOUR **4 P.M. 12 P.M.**

CREW SOC. SEC. NO. NAME HRS

DRILLER **R.D. Heerman** 8

DREMAN **D. Vantrassel** 8

WTRMAN **C. Cantrell** 8

FIBERMAN **E.E. Michel** 8

FLARMAN **Leo M. Cantrell** 8

FRAMER **No Acc.**

No. 45058

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: **KENAWEGOTT - STATE** WELL NO.: **2-14** API WELL NUMBER: **2-14** DATE: **3-8-86**

CONTRACTOR: **CLEVELAND DRILLING CO.** SIGNATURE OF OPERATOR'S REPRESENTATIVE: *Ray Simpson* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *Willard Nechel*

FIELD NO.: **SALTON SEA** COUNTY: **IMPERIAL** STATE: **CALIFORNIA** WIRE LINE RECORD: **179** HOLE LINE: **10** FT. EQUIP: **103.7**

LAST CASING CUMULATIVE ON LOG: **9 1/8** C-95 47 137 - 28 6000

D.P. SIZE: **5"** WT. FT.: **19.5** E: **6 1/2** TYPE THREAD: **LF** STRING NO.: **123** PUMP NO.: **2** PUMP MANUFACTURER: **NATIONAL** TYPE: **N-1300** ASSAYS: **16"**

FEET	LOG	LOG NO.	LOG DATE	LOG TIME	LOG BY
10375	10434	D			

DRILLING CREW PAYROLL DATA

DATE: **3-8-86**

WELL NAME & NO.: **KENAWEGOTT - STATE 2-14**

COMPANY: **BECKETT & O.G.**

TOOL PUSHER: *Willard Nechel* BIG NO.: **6**

MORNING TOUR: **12:00** P.M. **8:00** A.M.

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. TIME ON JOB	1	BIT 8 1/4	75 FT	TIME 12 4 8
2. DRILL ASSEMBLY	1	2 1/2" S&W	2.99	WGT 8.7 8.9 9.1
3. DRILL ASSEMBLY	1	2 1/2" S&W	4.35	WTC. SEC. 3.7 3.7 4.0
4. DRILL ASSEMBLY	3	2 1/2" S&W	91.00	WTC. SEC. 3.4 3.7 3.7
5. DRILL ASSEMBLY	1	2 1/2" S&W	1.69	WTC. SEC. 3.4 3.7 3.7
6. DRILL ASSEMBLY	1	2 1/2" S&W	32.27	WTC. SEC. 3.4 3.7 3.7
7. DRILL ASSEMBLY	27	2 1/2" S&W	812.66	WTC. SEC. 3.4 3.7 3.7
8. DRILL ASSEMBLY	1	2 1/2" S&W	948.72	WTC. SEC. 3.4 3.7 3.7
9. DRILL ASSEMBLY	101	2 1/2" S&W	9498.28	WTC. SEC. 3.4 3.7 3.7
10. DRILL ASSEMBLY	1	2 1/2" S&W	17.00	WTC. SEC. 3.4 3.7 3.7
11. DRILL ASSEMBLY	1	2 1/2" S&W	10334.88	WTC. SEC. 3.4 3.7 3.7
12. DRILL ASSEMBLY	1	2 1/2" S&W	265.000	WTC. SEC. 3.4 3.7 3.7

FOOTAGE	FORMATION	DEVIATION RECORD
10375 TO 10434	CLAYSTONE - SANDSTONE	DEPTH 12 1 2 3 4 5 6 7 8
10434 TO 10475	CLAYSTONE + SANDSTONE	DEPTH 8 9 10 11 12 1 2 3 4

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MARTIN	8
DREAM		DAVE TRUMANN	8
WIREMAN		TONY TELLEGA	8
FIREMAN		ARMANDO RODRIGUEZ	8
FLAMAN		ROCKY HARRIS	8
FLAMAN		WELD SAFETY MARTIN	
FRAMER		NO ACC.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 8 1/4	75 FT	TIME 8 19 8
1	2 1/2" S&W	2.99	WGT 8.7 9.0 9.1
1	2 1/2" S&W	4.35	WTC. SEC. 3.7 3.7 4.0
3	2 1/2" S&W	91.00	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	1.69	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	32.27	WTC. SEC. 3.4 3.7 3.7
27	2 1/2" S&W	812.66	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	948.72	WTC. SEC. 3.4 3.7 3.7
101	2 1/2" S&W	9498.28	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	17.00	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	10334.88	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	265.000	WTC. SEC. 3.4 3.7 3.7

FOOTAGE	FORMATION	DEVIATION RECORD
10434 TO 10475	CLAYSTONE + SANDSTONE	DEPTH 8 9 10 11 12 1 2 3 4
10475 TO 10515	CLAYSTONE + SANDSTONE	DEPTH 8 9 10 11 12 1 2 3 4

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.C. Cronon, JR.	8
DREAM		F.C. Singleton	8
WIREMAN		H.E. Rjes	8
FIREMAN		B.J. Schluchter	8
FLAMAN		AW. Stout	8
FRAMER		NO ACC.	

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 8 1/4	75 FT	TIME 400 700 1100
1	2 1/2" S&W	2.99	WGT 8.7 8.7
1	2 1/2" S&W	4.35	WTC. SEC. 3.7 3.7 4.0
3	2 1/2" S&W	91.00	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	1.69	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	32.27	WTC. SEC. 3.4 3.7 3.7
27	2 1/2" S&W	812.66	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	948.72	WTC. SEC. 3.4 3.7 3.7
101	2 1/2" S&W	9498.28	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	17.00	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	10334.88	WTC. SEC. 3.4 3.7 3.7
1	2 1/2" S&W	265.000	WTC. SEC. 3.4 3.7 3.7

FOOTAGE	FORMATION	DEVIATION RECORD
10475 TO 10515	CLAYSTONE + SANDSTONE	DEPTH 8 9 10 11 12 1 2 3 4
10515 TO 10555	CLAYSTONE + SANDSTONE	DEPTH 8 9 10 11 12 1 2 3 4

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		R.B. Heerman	8
DREAM		D. Vantrassel	8
WIREMAN		C. Cantrell	8
FIREMAN		E.E. Hill	8
FLAMAN		Leo M. Cantrell	8
FRAMER			

No. 45059

DAILY DRILLING REPORT REPORT NO.

LEASE KEANAWECOTT - STATE	WELL NO. 2-14	API WELL NUMBER	DATE 3-9-86
OPERATOR BECHTEL & D.O.S.	CONTRACTOR CLEVELAND DRILLING CO.		RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Ray Peterson</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Richard Nichol</i>	
WT. REC. 5"	WT. OF C. 17.5	TOOL JO G. 6 1/4	TYPE THREAD 1 1/8
STRIKES 6	TYPE 19B	STRING NO. 183	PUMP NO. 2
PUMP MANUFACTURER NATIONAL		TYPE N-1500	DEPTH 16"

FIELD NO. SALTON SEA	COUNTY IMPERIAL	STATE CALIFORNIA	WELL LINE RECORD
SIZE 9 1/8	NAME C-95	WT. & OR. 27	NO. MONTHS 191
FEET 2.0	DETA TO C&M NO. 6000	NET AT 1 3/8	NO. LINES 10
LAST C&M TOOLS ON TIME		PUMP NO. 1	
		PUMP NO. 2	
		PUMP NO. 3	
		PUMP NO. 4	
		PUMP NO. 5	
		PUMP NO. 6	
		PUMP NO. 7	
		PUMP NO. 8	
		PUMP NO. 9	
		PUMP NO. 10	

DRILLING CREW PAYROLL DATA
DATE 3-9-86
WELL NAME & NO. KEANAWECOTT - STATE 2-14
COMPANY BECHTEL & D.O.S.
TOOL PUSHER Richard Nichol
RIG NO. 6

TIME DISTRIBUTION - HOURS				DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
NO.	OPERATION	HOURS	MIN.	BIT NO.	FT.	TYPE	WEIGHT	PRESSION	GRADIENT
1	DRILLING	1	37	118	00	PI	SPB		
2	TRIP	2	49	118	00	PI	SPB		
3	CONCRETE			118	00	PI	SPB		
4	CONCRETE			118	00	PI	SPB		
5	CONCRETE			118	00	PI	SPB		
6	CONCRETE			118	00	PI	SPB		
7	CONCRETE			118	00	PI	SPB		
8	CONCRETE			118	00	PI	SPB		
9	CONCRETE			118	00	PI	SPB		
10	CONCRETE			118	00	PI	SPB		
11	CONCRETE			118	00	PI	SPB		
12	CONCRETE			118	00	PI	SPB		
13	CONCRETE			118	00	PI	SPB		
14	CONCRETE			118	00	PI	SPB		
15	CONCRETE			118	00	PI	SPB		
16	CONCRETE			118	00	PI	SPB		
17	CONCRETE			118	00	PI	SPB		
18	CONCRETE			118	00	PI	SPB		
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49	CONCRETE			118	00	PI	SPB		
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56	CONCRETE			118	00	PI	SPB		
57	CONCRETE			118	00	PI	SPB		
58	CONCRETE			118	00	PI	SPB		
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62	CONCRETE			118	00	PI	SPB		
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69	CONCRETE			118	00	PI	SPB		
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73	CONCRETE			118	00	PI	SPB		
74	CONCRETE			118	00	PI	SPB		
75	CONCRETE			118	00	PI	SPB		
76	CONCRETE			118	00	PI	SPB		
77	CONCRETE			118	00	PI	SPB		
78	CONCRETE			118	00	PI	SPB		
79	CONCRETE			118	00	PI	SPB		
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81	CONCRETE			118	00	PI	SPB		
82	CONCRETE			118	00	PI	SPB		
83	CONCRETE			118	00	PI	SPB		
84	CONCRETE			118	00	PI	SPB		
85	CONCRETE			118	00	PI	SPB		
86	CONCRETE			118	00	PI	SPB		
87	CONCRETE			118	00	PI	SPB		
88	CONCRETE			118	00	PI	SPB		
89	CONCRETE			118	00	PI	SPB		
90	CONCRETE			118	00	PI	SPB		
91	CONCRETE			118	00	PI	SPB		
92	CONCRETE			118	00	PI	SPB		
93	CONCRETE			118	00	PI	SPB		
94	CONCRETE			118	00	PI	SPB		
95	CONCRETE			118	00	PI	SPB		
96	CONCRETE			118	00	PI	SPB		
97	CONCRETE			118	00	PI	SPB		
98	CONCRETE			118	00	PI	SPB		
99	CONCRETE			118	00	PI	SPB		
100	CONCRETE			118	00	PI	SPB		

FOOTAGE		FORMATION		DEVIATION RECORD	
FROM	TO	DEPTH	DIR.	DEPTH	DIR.
14,475					
12	1	1	11		
1	1	1	11		
2	2	1	11		
3	4	1	11		
4	5	1	11		
5	6	1	6		
6	7	1	6		
7	8	1	5		

MORNING TOUR 12:00 P.M. 8:50 A.M.			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID MATHIS	8
DRAWER		DAVE TREVARTHEN	8
WTRMAN		TOM STEGALL	8
FIREMAN		ARMANDO RODRIGUEZ	8
FLSHAN		ROCKY HARRIS	8
FLSHAN			
FLSHAN			
TRAMP			
NO ACC.			

DRILLING ASSEMBLY				BIT RECORD		MUD RECORD	
NO.	OPERATION	HOURS	MIN.	BIT NO.	FT.	TYPE	WEIGHT
1	DRILLING	1	37	118	00	PI	SPB
2	TRIP	2	49	118	00	PI	SPB
3	CONCRETE			118	00	PI	SPB
4	CONCRETE			118	00	PI	SPB
5	CONCRETE			118	00	PI	SPB
6	CONCRETE			118	00	PI	SPB
7	CONCRETE			118	00	PI	SPB
8	CONCRETE			118	00	PI	SPB
9	CONCRETE			118	00	PI	SPB
10	CONCRETE			118	00	PI	SPB
11	CONCRETE			118	00	PI	SPB
12	CONCRETE			118	00	PI	SPB
13	CONCRETE			118	00	PI	SPB
14	CONCRETE			118	00	PI	SPB
15	CONCRETE			118	00	PI	SPB
16	CONCRETE			118	00	PI	SPB
17	CONCRETE			118	00	PI	SPB
18	CONCRETE			118	00	PI	SPB
19	CONCRETE			118	00	PI	SPB
20	CONCRETE			118	00	PI	SPB
21	CONCRETE			118	00	PI	SPB
22	CONCRETE			118	00	PI	SPB
23	CONCRETE			118	00	PI	SPB
24	CONCRETE			118	00	PI	SPB
25	CONCRETE			118	00	PI	SPB
26	CONCRETE			118	00	PI	SPB
27	CONCRETE			118	00	PI	SPB
28	CONCRETE			118	00	PI	SPB
29	CONCRETE			118	00	PI	SPB
30	CONCRETE			118	00	PI	SPB
31	CONCRETE			118	00	PI	SPB
32	CONCRETE			118	00	PI	SPB
33	CONCRETE			118	00	PI	SPB
34	CONCRETE			118	00	PI	SPB
3							

No. 45060

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR: KENNECOTT-STATE; WELL NO.: 2-14; DATE: 3-10-86; CONTRACTOR: CLEVELAND DRILLING CO.; SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]; SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

FIELD OR DIST.: SALTON SEA; COUNTY: IMPERIAL; STATE: CALIFORNIA; WIRE LINE RECORD: 13/8; 10; 19; 28' 1000; 16"

DRILLING CREW PAYROLL DATA; DATE: 3-10-86; WELL NAME & NO.: KENNECOTT-STATE 2-14; COMPANY: BECHTEL & D.O.E.; TOOL PUSHER: [Signature]; RIG NO.: 6

TIME DISTRIBUTION - HOUR; DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; TABLE with columns for operation, work, day, eye, bit no., size, weight, etc.

FOOTAGE; FORMATION; DEVIATION RECORD; TABLE with columns for from, to, depth, direction, code no., etc.

MORNING TOUR 12:00 P.M. 8:00 A.M.; CREW: DAVID MATHIS, DAVE TREVARTHEN, TOM STEGALL, ARMANDO RODRIGUEZ, ROCKY HARRIS; NO ACC.

DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; TABLE with columns for bit no., size, weight, etc.

FOOTAGE; FORMATION; DEVIATION RECORD; TABLE with columns for from, to, depth, direction, code no., etc.

DAT TOUR 8:00 A.M. 4:00 P.M.; CREW: W.E. GEORGE JR., F.C. SINGLETON, H.E. BRES, B.J. SCHLACHERER, A.W. STOUT; NO ACC.

DRILLING ASSEMBLY; BIT RECORD; MUD RECORD; TABLE with columns for bit no., size, weight, etc.

FOOTAGE; FORMATION; DEVIATION RECORD; TABLE with columns for from, to, depth, direction, code no., etc.

EVENING TOUR 4 P.M. 12 P.M.; CREW: R.A. HANCOCK, H. VANASSEL, C. CARTER, E.E. WELLS, KEO III CARTER; NO ACC.



IADC - API OFFICIAL DAILY DRILLING REPORT FORM



APPROVED



APPROVED No. 45060

No. 41033

DAILY DRILLING REPORT REPORT NO.

LEASE KEANNECOTT STATE	WELL NO 2-14	API WELL NUMBER	DATE 3-13-86
OPERATOR BECHTEL & D.O.E.	CONTRACTOR CLEVELAND DRILLING CO		RIG NO. 6
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>D.W. Smith</i>		SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>M. Gardner</i>	
DATE 3-13-86	FIELD OR DIST. SALTON SEA		
COUNTY IMPERIAL	STATE CALIFORNIA	WIRE LINE RECORD SIT 178	FEEL NO. 10
WELL DEPTH 998	WELL CASE NO. C-95	WELL NO. 47	WELL AT 28' 6000'
LAST CABLE LOG ON LOGS	WELL NO. N-1300	TYPE NATIONAL	START DATE 16

WELL LINE RECORD SIT 178	FEEL NO. 10	WELL DEPTH 998	WELL CASE NO. C-95	WELL NO. 47	WELL AT 28' 6000'
WELL DEPTH 998	WELL CASE NO. C-95	WELL NO. 47	WELL AT 28' 6000'	WELL LINE RECORD SIT 178	FEEL NO. 10

DRILLING CREW PAYROLL DATA
DATE 3-13-86
WELL NAME & NO. KEANNECOTT STATE 2-14
COMPANY BECHTEL & D.O.E.
TOOL PUSHER *M. Gardner* RIG NO. 6

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (BY END OF HOUR)	BIT RECORD	MUD RECORD
1. DRILL ACTUAL	1	BIT 8 1/2	BIT NO. 88 1/2	TIME
2. DRILLING	2	DR 2 1/2	SIZE 8 1/2	WEIGHT
3. DRILLING	3	X-O 00	W.P. 3 1/2	WEIGHT
4. DRILLING	4	BLAW 1 1/2	TYPE M.Y.M.	WEIGHT
5. DRILLING	5	JMS 00	W.P. 0 U.P.	WEIGHT
6. DRILLING	6	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
7. DRILLING	7	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
8. DRILLING	8	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
9. DRILLING	9	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
10. DRILLING	10	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
11. DRILLING	11	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
12. DRILLING	12	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
13. DRILLING	13	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
14. DRILLING	14	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
15. DRILLING	15	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
16. DRILLING	16	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
17. DRILLING	17	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
18. DRILLING	18	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
19. DRILLING	19	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
20. DRILLING	20	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
21. DRILLING	21	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
22. DRILLING	22	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
23. DRILLING	23	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
24. DRILLING	24	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
25. DRILLING	25	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
26. DRILLING	26	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
27. DRILLING	27	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
28. DRILLING	28	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
29. DRILLING	29	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
30. DRILLING	30	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
31. DRILLING	31	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
32. DRILLING	32	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
33. DRILLING	33	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
34. DRILLING	34	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
35. DRILLING	35	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
36. DRILLING	36	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
37. DRILLING	37	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
38. DRILLING	38	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
39. DRILLING	39	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
40. DRILLING	40	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
41. DRILLING	41	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
42. DRILLING	42	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
43. DRILLING	43	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
44. DRILLING	44	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
45. DRILLING	45	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
46. DRILLING	46	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
47. DRILLING	47	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
48. DRILLING	48	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
49. DRILLING	49	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
50. DRILLING	50	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
51. DRILLING	51	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
52. DRILLING	52	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
53. DRILLING	53	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
54. DRILLING	54	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
55. DRILLING	55	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
56. DRILLING	56	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
57. DRILLING	57	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
58. DRILLING	58	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
59. DRILLING	59	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
60. DRILLING	60	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
61. DRILLING	61	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
62. DRILLING	62	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
63. DRILLING	63	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
64. DRILLING	64	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
65. DRILLING	65	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
66. DRILLING	66	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
67. DRILLING	67	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
68. DRILLING	68	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
69. DRILLING	69	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
70. DRILLING	70	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
71. DRILLING	71	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
72. DRILLING	72	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
73. DRILLING	73	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
74. DRILLING	74	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
75. DRILLING	75	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
76. DRILLING	76	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
77. DRILLING	77	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
78. DRILLING	78	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
79. DRILLING	79	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
80. DRILLING	80	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
81. DRILLING	81	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
82. DRILLING	82	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
83. DRILLING	83	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
84. DRILLING	84	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
85. DRILLING	85	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
86. DRILLING	86	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
87. DRILLING	87	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
88. DRILLING	88	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
89. DRILLING	89	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
90. DRILLING	90	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
91. DRILLING	91	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
92. DRILLING	92	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
93. DRILLING	93	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
94. DRILLING	94	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
95. DRILLING	95	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
96. DRILLING	96	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
97. DRILLING	97	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
98. DRILLING	98	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
99. DRILLING	99	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
100. DRILLING	100	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT

FOOTAGE	NO. OF CONNECTIONS	FORMATION (SHOW CORE RECOVERY)	WELL DEPTH	WELL CASE NO.	WELL NO.	WELL AT
10,475			400	6'	40'	7'
10,475			400	6'	40'	7'

MORNING TOUR	P.M.	A.M.
12:00	8:00	
CREW	SOC. SEC. NO.	NAME
DRILLER		DAVID MATHIS
DREWMAN		DAVE TREVARTHEN
MUDMAN		TOM STEGALL
FIREMAN		ARMANDO RODRIGUEZ
FIREMAN		ROCKY HARRIS
FIREMAN		
FRANKE		
		NO ACC.

NO.	DRILLING ASSEMBLY (BY END OF HOUR)	BIT RECORD	MUD RECORD
1	BIT 8 1/2	BIT NO. 88 1/2	TIME 8:00
2	DR 2 1/2	SIZE 8 1/2	WEIGHT 1100
3	X-O 00	W.P. 3 1/2	WEIGHT 300
4	BLAW 1 1/2	TYPE M.Y.M.	WEIGHT
5	JMS 00	W.P. 0 U.P.	WEIGHT
6	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
7	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
8	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
9	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
10	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
11	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
12	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
13	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
14	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
15	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
16	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
17	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
18	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
19	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
20	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
21	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
22	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
23	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
24	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
25	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
26	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
27	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
28	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
29	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
30	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
31	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
32	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
33	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
34	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
35	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
36	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
37	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
38	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
39	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
40	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
41	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
42	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
43	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
44	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
45	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
46	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
47	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
48	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
49	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
50	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
51	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
52	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
53	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
54	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
55	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
56	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
57	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
58	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
59	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
60	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
61	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
62	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
63	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
64	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
65	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
66	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
67	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
68	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
69	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
70	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
71	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
72	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
73	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
74	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
75	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
76	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
77	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
78	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
79	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
80	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
81	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
82	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
83	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
84	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
85	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
86	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
87	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
88	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
89	BLAW 1 1/2	W.P. 0 U.P.	WEIGHT
9			

No. 41037

DAILY DRILLING REPORT REPORT NO.

LEASE Kennecott state WELL NO. 2-14 API WELL NUMBER DATE 3-17-86
 OPERATOR Bechtel D.O.S CONTRACTOR Cleveland RIG NO. 6
 SIGNATURE OF OPERATOR'S REPRESENTATIVE W.M. Hudson SIGNATURE OF CONTRACTOR'S TOOL PUSHER W.M. Hudson
 DATE 3-17-86

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1. DRILL TIME	1	BIT 50 FT	BIT NO. 61	TIME
2. DRILL ACTUAL	1	SIZE 1.97	SIZE 6 7/8	WEIGHT
3. RETURNING	2 1/2	TYPE 7223	TYPE SEC	PRESURE GRADIENT
4. CLEANING	1	STANDS 1.90	STANDS 5.87 E	VISC. SEC
5. CONNECTIONS	2	TYPE 4 1/2 X 1.40	TYPE D 1 1/2	PH. VISC.
6. TYPING	2 1/2	STANDS 600.66	STANDS 3396.25	ORL
7. LUBRICATE	1	DEPTH 10.425	DEPTH 10.425	ML. SEC
8. REPAIR	1	TOTAL PTD 1705.95	TOTAL PTD 44	VALVES
9. CLEANING	1	TOTAL WRA 636.76	TOTAL WRA 28	TYPE
10. DEVIATION	1	STANDS 4652.61	STANDS 19.0	TYPE
11. WIRE LINE	1	SHOLES 1.97	SHOLES 1.97	TYPE
12. WIRE LINE	1	KELLY BORN 1.0	KELLY BORN 1.0	TYPE
13. WIRE LINE	1	TOTAL 10.519	TOTAL 10.519	TYPE
14. WIRE LINE	1	FT. OF STRIP 2.35	FT. OF STRIP 2.35	TYPE

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 50 FT	BIT NO. 61	TIME
1	SIZE 1.97	SIZE 6 7/8	WEIGHT
3	TYPE 92.23	TYPE SEC	PRESURE GRADIENT
1	STANDS 1.40	STANDS 5.87 E	VISC. SEC
20	STANDS 600.66	STANDS 3396.25	ORL
50	DEPTH 10.519	DEPTH 10.519	ML. SEC
50	TOTAL PTD 4705.95	TOTAL PTD 98	VALVES
50	TOTAL WRA 696.76	TOTAL WRA 98	TYPE
50	STANDS 5138.02	STANDS 10.519	TYPE
50	SHOLES 1.97	SHOLES 1.97	TYPE
50	KELLY BORN 1.0	KELLY BORN 1.0	TYPE
50	TOTAL 10.519	TOTAL 10.519	TYPE
50	FT. OF STRIP 2.35	FT. OF STRIP 2.35	TYPE

NO.	DRILLING ASSEMBLY	BIT RECORD	MUD RECORD
1	BIT 50 FT	BIT NO. 61	TIME
1	SIZE 1.97	SIZE 6 7/8	WEIGHT
3	TYPE 92.23	TYPE SEC	PRESURE GRADIENT
1	STANDS 1.40	STANDS 5.87 E	VISC. SEC
20	STANDS 600.66	STANDS 3396.25	ORL
50	DEPTH 10.564	DEPTH 10.564	ML. SEC
50	TOTAL PTD 4705.95	TOTAL PTD 98	VALVES
50	TOTAL WRA 696.76	TOTAL WRA 98	TYPE
50	STANDS 5138.02	STANDS 10.564	TYPE
50	SHOLES 1.97	SHOLES 1.97	TYPE
50	KELLY BORN 1.0	KELLY BORN 1.0	TYPE
50	TOTAL 10.564	TOTAL 10.564	TYPE
50	FT. OF STRIP 2.35	FT. OF STRIP 2.35	TYPE

FIELD OR DIST. Sutton Sea COUNTY Imperial STATE Calif BIRE LINE RECORD WELL NO.
 SIZE 1 9/8 NO. LINES 10 FT. CLIPPED
 SIZE 9 3/8 WARE C-95 47 137 FEET 28 REEL TO CIG. NO. 6000 FT. TUR OFF
 LAST CASING THICK ON LINES 7" TOP@ 5735 19.16 PRELIM LENGTH
 TOHIN. OR TRIP SINCE LAST CUP
 CONSULTIVE TOHIN. OR TRIP

FOOTAGE	DEVIATION RECORD	FORMATION	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
10.425	DEPTH 10.425	ACC. OK	cannot fuel 40
10.425	DEPTH 10.425	ACC. OK	cannot fuel 40
12	DEPTH 12	ACC. OK	cannot fuel 40
1	DEPTH 1	ACC. OK	cannot fuel 40
2	DEPTH 2	ACC. OK	cannot fuel 40
3	DEPTH 3	ACC. OK	cannot fuel 40
4	DEPTH 4	ACC. OK	cannot fuel 40
5	DEPTH 5	ACC. OK	cannot fuel 40
6	DEPTH 6	ACC. OK	cannot fuel 40
7	DEPTH 7	ACC. OK	cannot fuel 40
8	DEPTH 8	ACC. OK	cannot fuel 40

FOOTAGE	DEVIATION RECORD	FORMATION	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
10.519	DEPTH 10.519	ACC. OK	cannot fuel 40
8	DEPTH 8	ACC. OK	cannot fuel 40
9	DEPTH 9	ACC. OK	cannot fuel 40
10	DEPTH 10	ACC. OK	cannot fuel 40
11	DEPTH 11	ACC. OK	cannot fuel 40
12	DEPTH 12	ACC. OK	cannot fuel 40
1	DEPTH 1	ACC. OK	cannot fuel 40
2	DEPTH 2	ACC. OK	cannot fuel 40
3	DEPTH 3	ACC. OK	cannot fuel 40
4	DEPTH 4	ACC. OK	cannot fuel 40
5	DEPTH 5	ACC. OK	cannot fuel 40
6	DEPTH 6	ACC. OK	cannot fuel 40
7	DEPTH 7	ACC. OK	cannot fuel 40

FOOTAGE	DEVIATION RECORD	FORMATION	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
10.564	DEPTH 10.564	ACC. OK	cannot fuel 40
4	DEPTH 4	ACC. OK	cannot fuel 40
5	DEPTH 5	ACC. OK	cannot fuel 40
6	DEPTH 6	ACC. OK	cannot fuel 40
7	DEPTH 7	ACC. OK	cannot fuel 40
8	DEPTH 8	ACC. OK	cannot fuel 40
9	DEPTH 9	ACC. OK	cannot fuel 40
10	DEPTH 10	ACC. OK	cannot fuel 40
11	DEPTH 11	ACC. OK	cannot fuel 40
12	DEPTH 12	ACC. OK	cannot fuel 40

DRILLING CREW PAYROLL DATA
 DATE 3-17-86
 WELL NAME & NO. Kennecott state 2-14
 COMPANY Bechtel D.O.S
 TOOL PUSHER W.M. Hudson RIG NO. 6

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		W.E. Cronin JR.	8
DRAWER		F.C. Singleton	8
MUDMAN		H.E. Riss	8
FIREMAN		B.T. Schlachter	8
FIREMAN		A.W. Stout	8

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		P.A. Heenan	8
DRAWER		D. Vanhaas	8
MUDMAN		C. Controll	8
FIREMAN		E.E. Hoff	8
FIREMAN		Leo M. Cobby	8

CREW	SOC. SEC. NO.	NAME	HRS
DRILLER		R. Dabarsch	8
DRAWER		W. Hudson	8
MUDMAN		R. Atiss	8
FIREMAN		B. Lorin	8
FIREMAN		J. Carr	8

No. 41038

DAILY DRILLING REPORT REPORT NO.

LEASE OPERATOR Kennecott state 2-14 DATE 3-18-86
CONTRACTOR Cleveland
SIGNATURE OF OPERATOR'S REPRESENTATIVE S.W. Smith 3 15 86
SIGNATURE OF CONTRACTOR'S TOOL PUSHER D.M. Hardner

FIELD OR DIST. Solon Sec 1199 Parcel STATE Calif
SIZE 95/8 C-95 47 132 FEET
PUMP NO. 29 TOP 5735 10/136

DRILLING CREW PAYROLL DATA
DATE 3-18-86
WELL NAME & NO. Kennecott state 2-14
COMPANY Bechtel D.O.E
TOOL PUSHER D.M. Hardner

TIME DISTRIBUTION - HOURS
OPERATION HOURS
1. R I 192
3. S 92.33
1. S X D 140
1. S H W 609.88
50. 3/4 DP 470.395

FOOTAGE 10,564
FORMATION (SHOW CORE RECOVERY)
DEVIATION RECORD
TIME LOG
8 9 1 5 Pump water down Annulus to kill well
9 10 1/2 1/2 6-5 40 pipe well started to flow

MORNING TOUR 12:00 P.M. 5:00 A.M.
CREW SOC. SEC. NO. NAME HRS
DRILLER W.E. Crocker J.R. 8
DRAINER F.C. Singleton 8
MUDMAN H.E. Ries 8
FIRMAN B.J. Schlachter 8
FLERMAN A.W. Stout 8

DRILLING ASSEMBLY BIT RECORD MID RECORD
NO. 1 BIT NO. 50 BIT NO. 61
TYPE S-84 F
SER. NO. 337675
DEPTH IN 102.15
DEPTH OUT 102.15

FOOTAGE 10,564
FORMATION (SHOW CORE RECOVERY)
DEVIATION RECORD
TIME LOG
8 9 1 5 Pump water down Annulus to kill well
9 10 1/2 1/2 6-5 40 pipe well started to flow

DAY TOUR 8 A.M. 4 P.M.
CREW SOC. SEC. NO. NAME HRS
DRILLER R.A. Herman 8
DRAINER R. Cantarel 8
MUDMAN C. Cantarel 8
FIRMAN E.E. Hoff 8
FLERMAN Leo H. Carthy 8

DRILLING ASSEMBLY BIT RECORD MID RECORD
NO. 2 BIT NO. 50 BIT NO. 61
TYPE S-84 F
SER. NO. 337675
DEPTH IN 102.15
DEPTH OUT 102.15

FOOTAGE 10,564
FORMATION (SHOW CORE RECOVERY)
DEVIATION RECORD
TIME LOG
4 5 1 14 LAY DOWN KELLY SPINNER, RATABLE, MOUSE HOLE
5 6 1 14 LAY DOWN SPINNER, TEAR OUT FLOOR
6 7 1 14 RIDDLE DOWN B.O.P.

EVENING TOUR 4:00 P.M. 12:00 P.M.
CREW SOC. SEC. NO. NAME HRS
DRILLER DAVID MARTIN 8
DRAINER DAVID TREVAETHEN 8
MUDMAN TOM STEWART 8
FIRMAN ARMANDO RODRIGUEZ 8
FLERMAN ROCKY HARRIS 8

No. 41042

DAILY DRILLING REPORT REPORT NO.

LEASE <i>Kennecott State</i>	WELL NO. <i>2-4</i>	API WELL NUMBER	DATE <i>3-22-86</i>
OPERATOR <i>Bechtel 1 005</i>	CONTRACTOR <i>Cleveland Drilling Co.</i>	FIELD OR DIST. <i>Salt Lake Sea</i>	COUNTY <i>Imperial</i>
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>	SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i>	STATE <i>Calif</i>	WIRE LINE RECORD
R.P. SEE <i>5-185</i>	ST. OPT. <i>5-185</i>	GRADE <i>E</i>	TOOL JOINT <i>6 1/2</i>
TYPE THREAD <i>1 1/2"</i>	STRENGTH <i>150</i>	PUMP NO. <i>2</i>	PUMP MANUFACTURER <i>National</i>
		TYPE <i>11-1500</i>	CENTRE <i>16"</i>

WIRE LINE RECORD	WELL NO.	PT. R. H.P.P.D.
SIZE <i>1 1/2"</i>	NO. LINES <i>10</i>	PT. CUT OFF
DEPT.	MAKE <i>C-35</i>	WT. & GR. <i>47</i>
NO. JOINTS <i>137</i>	FEET <i>28</i>	NO. LOGS <i>1000</i>
LAST CASING LOG ON LOGS <i>7"</i>	NO. LOGS <i>29</i>	NO. LOGS <i>5716</i>

DRILLING CREW PATROLL DATA

DATE *3-22-86*

WELL NAME & NO. *Kennecott State 2-4*

COMPANY *Bechtel 1 005*

TOOL PUSHER *[Signature]*

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (Last end of hole)	BIT RECORD	MWD RECORD
1. NO. OF AND TYPE LOGS		BIT	PI BIT NO.	TIME
2. DRILL ACTUAL		SIZE	PI SER.	WEIGHT
3. DRILLING		NO. OF JOINTS	PI SPS.	PRESSURE GRADE
4. CORING		PI TYPE	PI TYPE	W.C. - S.C.
5. COMPLETION		PI SIZE 1/2"	PI SER.	PI/P.
6. TRIPS		PI SER. NO.	PI SER. NO.	SOL. S.
7. LUBRICATE RIG		PI DEPTH OUT	PI DEPTH IN	W.C. - S.C.
8. REPAIR RIG		TOTAL P.T.B.	TOTAL P.T.B.	SOLIDS
9. SHUT IN		TOTAL P.T.B. SINCE LAST LOG	TOTAL P.T.B. SINCE LAST LOG	W.C. & CHEMICALS ADDED
10. DRILLING LOG		STANDS UP	STANDS UP	TYPE AMT. TYPE AMT.
11. DEVIATION SURVEY		SHOULDS UP	SHOULDS UP	
12. WIRE LINE LOGS	<i>8</i>	STALLY DOWN	STALLY DOWN	
13. CASING	<i>8</i>	TOTAL	TOTAL	
14. COMPLETION	<i>8</i>	WT. OF STRONG	WT. OF STRONG	
15. LOGS				
16. TEST LOG				
17. PLUG BACK				
18. MUDWEAR CHERRY				
19. PILING				
20. DRILL WORN				
21.				
22.				

FOOTAGE		NO. OF JOINTS	CODE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS.	PUMP NO.	PUMP NO.	DEPTH
FROM	TO									
10554										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	RELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
12	2	1	11	Run wire line log						
2	3	1	11	28" Fault						
3	4	1	11							
4	5	1	11							
5	6	1	11							
6	7	1	11							
7	8	1	11							

MORNING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>R.H. Heerman</i>	<i>8</i>
DREMAN		<i>D. Vantassel</i>	<i>8</i>
MUDMAN			
FIREMAN			
FLAMAN			
FLAMAN			
FRAMER		<i>No Acc</i>	

COMPLETION		NO.	DRILLING ASSEMBLY (Last end of hole)	BIT RECORD	MWD RECORD
A. PERMIT		BIT	PI BIT NO.	TIME	WEIGHT
B. TIME TRIPS		SIZE	PI SER.	PRESSURE GRADE	W.C. - S.C.
C. TREATING		NO. OF JOINTS	PI TYPE	PI TYPE	PI/P.
D. DRABING		PI SIZE 1/2"	PI SER.	PI SER.	SOL. S.
E. TESTING		PI DEPTH OUT	PI DEPTH IN	W.C. - S.C.	SOLIDS
F. MUDWASH		TOTAL P.T.B.	TOTAL P.T.B.	W.C. & CHEMICALS ADDED	TYPE AMT. TYPE AMT.
G. OTHER		TOTAL P.T.B. SINCE LAST LOG	TOTAL P.T.B. SINCE LAST LOG		
H.		STANDS UP	STANDS UP		
I.		SHOULDS UP	SHOULDS UP		
J.		STALLY DOWN	STALLY DOWN		
K.		TOTAL	TOTAL		
L.		WT. OF STRONG	WT. OF STRONG		

FOOTAGE		NO. OF JOINTS	CODE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS.	PUMP NO.	PUMP NO.	DEPTH
FROM	TO									
10564										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	RELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
8:00	9:00			WIRE LINE LOGS						
9:00	10:00									
10:00	11:00									
11:00	12:00									
12:00	1:00									
1:00	2:00									
2:00	3:00									
3:00	4:00									

DAY TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>TROY CARTER</i>	<i>8</i>
DREMAN		<i>V.D. HUDSON</i>	<i>8</i>
MUDMAN		<i>R. ROSS</i>	<i>8</i>
FIREMAN			
FLAMAN			
FLAMAN			
FRAMER			

EVENING TOUR		NO.	DRILLING ASSEMBLY (Last end of hole)	BIT RECORD	MWD RECORD
A. PERMIT		BIT	PI BIT NO.	TIME	WEIGHT
B. TIME TRIPS		SIZE	PI SER.	PRESSURE GRADE	W.C. - S.C.
C. TREATING		NO. OF JOINTS	PI TYPE	PI TYPE	PI/P.
D. DRABING		PI SIZE 1/2"	PI SER.	PI SER.	SOL. S.
E. TESTING		PI DEPTH OUT	PI DEPTH IN	W.C. - S.C.	SOLIDS
F. MUDWASH		TOTAL P.T.B.	TOTAL P.T.B.	W.C. & CHEMICALS ADDED	TYPE AMT. TYPE AMT.
G.		TOTAL P.T.B. SINCE LAST LOG	TOTAL P.T.B. SINCE LAST LOG		
H.		STANDS UP	STANDS UP		
I.		SHOULDS UP	SHOULDS UP		
J.		STALLY DOWN	STALLY DOWN		
K.		TOTAL	TOTAL		
L.		WT. OF STRONG	WT. OF STRONG		

FOOTAGE		NO. OF JOINTS	CODE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT	PUMP PRESS.	PUMP NO.	PUMP NO.	DEPTH
FROM	TO									
10564										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
FROM	TO	RELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS						
4	5	1	11	WIRE LINE LOGS						
5	6	1	11	(START 6:16 P.M. 00)						
6	7	1	11							
7	8	1	11							
8	9	1	11							
9	10	1	11							
10	11	1	11							
11	12	1	11							

EVENING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		<i>TROY CARTER</i>	<i>8</i>
DREMAN		<i>V.D. HUDSON</i>	<i>8</i>
MUDMAN		<i>R. ROSS</i>	<i>8</i>
FIREMAN			
FLAMAN			
FLAMAN			
FRAMER		<i>No Acc</i>	

No. 41048

DAILY DRILLING REPORT REPORT NO.

LEASE Kearcott State	WELL NO. 2-11	API WELL NUMBER	DATE 3-28-86
OPERATOR Bentley & Roe	CONTRACTOR Cleveland Drilling Co.	RIG NO. 06	FIELD OR DIST. 5th St
SIGNATURE OF OPERATOR'S REPRESENTATIVE D.R. Bentley	SIGNATURE OF CONTRACTOR'S TOOL PUSHER D. McNeill	STATE Calif.	COUNTY Imperial
W.P. DIA. 7"	GRADE 11500	TYPE 11500	CLASS 11500

SIZE 7"	MAKE C-85	WT. & DR. 47	NO. OF JOINTS 137	FEET 28	SET AT 6000	SERIAL NO. 19156	SET AT 10	PREPARE LENGTH
FORMATION (SHOW CORE RECOVERY)				ROTARY BPH	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.

DRILLING CREW PAYROLL DATA
DATE 3-28-86
WELL NAME & NO. Kearcott State 2-11
COMPANY Bentley & Roe
TOOL PUSHER D. McNeill
RIG NO. 06

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MWD RECORD	
		BIT	PT.	BIT NO.	TIME	WEIGHT	PRESSURE
1. DRILL AND TEST	1	115	00	PT. 115	115	115	115
2. DRILL ACTUAL	2	115	00	PT. 115	115	115	115
3. DRILLING	3	115	00	PT. 115	115	115	115
4. CORING	4	115	00	PT. 115	115	115	115
5. CONNECTIONS	5	115	00	PT. 115	115	115	115
6. TIME	6	115	00	PT. 115	115	115	115
7. LUBRICATE DR	7	115	00	PT. 115	115	115	115
8. REPAIR DR	8	115	00	PT. 115	115	115	115
9. DRILL LINE	9	115	00	PT. 115	115	115	115
10. DEVIATION SURVEY	10	115	00	PT. 115	115	115	115
11. WIRE LINE LOSS	11	115	00	PT. 115	115	115	115
12. BURN CAMB	12	115	00	PT. 115	115	115	115
13. BURN	13	115	00	PT. 115	115	115	115
14. DRILL	14	115	00	PT. 115	115	115	115
15. TEST B.P.	15	115	00	PT. 115	115	115	115
16. DRILL STEM TEST	16	115	00	PT. 115	115	115	115
17. PUMP BACK	17	115	00	PT. 115	115	115	115
18. SCOUR BY COMMENT	18	115	00	PT. 115	115	115	115
19. PENDING	19	115	00	PT. 115	115	115	115
20. DRILL WORK	20	115	00	PT. 115	115	115	115
21.	21	115	00	PT. 115	115	115	115
22.	22	115	00	PT. 115	115	115	115
23.	23	115	00	PT. 115	115	115	115

FOOTAGE		NO. OF CORES	CORR. C	FORMATION (SHOW CORE RECOVERY)	ROTARY BPH	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM	TO									
10,567										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	SLIPPED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
12	1	11	11	Run Velocity Log						
1	2	11	11	Pumped WATER TO COOL WELL						
2	3	11	11							
3	4	11	11							
4	5	11	11							
5	6	11	11							
6	7	11	11							

MORNING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		D.A. Hoerman	8
DREMAN		D. Ventress	8
PTWMAN		Leo McCarthy	8
FIREMAN			
FLWMAN			
FRANET			
NO. ACC.			

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MWD RECORD	
		BIT	PT.	BIT NO.	TIME	WEIGHT	PRESSURE
1. DRILL AND TEST	1	115	00	PT. 115	115	115	115
2. DRILL ACTUAL	2	115	00	PT. 115	115	115	115
3. DRILLING	3	115	00	PT. 115	115	115	115
4. CORING	4	115	00	PT. 115	115	115	115
5. CONNECTIONS	5	115	00	PT. 115	115	115	115
6. TIME	6	115	00	PT. 115	115	115	115
7. LUBRICATE DR	7	115	00	PT. 115	115	115	115
8. REPAIR DR	8	115	00	PT. 115	115	115	115
9. DRILL LINE	9	115	00	PT. 115	115	115	115
10. DEVIATION SURVEY	10	115	00	PT. 115	115	115	115
11. WIRE LINE LOSS	11	115	00	PT. 115	115	115	115
12. BURN CAMB	12	115	00	PT. 115	115	115	115
13. BURN	13	115	00	PT. 115	115	115	115
14. DRILL	14	115	00	PT. 115	115	115	115
15. TEST B.P.	15	115	00	PT. 115	115	115	115
16. DRILL STEM TEST	16	115	00	PT. 115	115	115	115
17. PUMP BACK	17	115	00	PT. 115	115	115	115
18. SCOUR BY COMMENT	18	115	00	PT. 115	115	115	115
19. PENDING	19	115	00	PT. 115	115	115	115
20. DRILL WORK	20	115	00	PT. 115	115	115	115
21.	21	115	00	PT. 115	115	115	115
22.	22	115	00	PT. 115	115	115	115
23.	23	115	00	PT. 115	115	115	115

FOOTAGE		NO. OF CORES	CORR. C	FORMATION (SHOW CORE RECOVERY)	ROTARY BPH	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM	TO									
10,569										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	SLIPPED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
8	9	11	11	Run Velocity Log						
9	10	11	11	INSTALLED 6" B.O.P.						
10	11	11	11	Pumped WATER TO COOL WELL						
11	12	11	11							
12	1	11	11							
1	2	11	11							
2	3	11	11							
3	4	11	11							

AFTERNOON TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		DAVID PAULIS	8
DREMAN		DAVID TRIMMEL	8
PTWMAN		DAVID SULL	8
FIREMAN			
FLWMAN			
FRANET			
NO. ACC.			

TIME DISTRIBUTION - HOURS	NO.	DRILLING ASSEMBLY (At end of hour)		BIT RECORD		MWD RECORD	
		BIT	PT.	BIT NO.	TIME	WEIGHT	PRESSURE
1. DRILL AND TEST	1	115	00	PT. 115	115	115	115
2. DRILL ACTUAL	2	115	00	PT. 115	115	115	115
3. DRILLING	3	115	00	PT. 115	115	115	115
4. CORING	4	115	00	PT. 115	115	115	115
5. CONNECTIONS	5	115	00	PT. 115	115	115	115
6. TIME	6	115	00	PT. 115	115	115	115
7. LUBRICATE DR	7	115	00	PT. 115	115	115	115
8. REPAIR DR	8	115	00	PT. 115	115	115	115
9. DRILL LINE	9	115	00	PT. 115	115	115	115
10. DEVIATION SURVEY	10	115	00	PT. 115	115	115	115
11. WIRE LINE LOSS	11	115	00	PT. 115	115	115	115
12. BURN CAMB	12	115	00	PT. 115	115	115	115
13. BURN	13	115	00	PT. 115	115	115	115
14. DRILL	14	115	00	PT. 115	115	115	115
15. TEST B.P.	15	115	00	PT. 115	115	115	115
16. DRILL STEM TEST	16	115	00	PT. 115	115	115	115
17. PUMP BACK	17	115	00	PT. 115	115	115	115
18. SCOUR BY COMMENT	18	115	00	PT. 115	115	115	115
19. PENDING	19	115	00	PT. 115	115	115	115
20. DRILL WORK	20	115	00	PT. 115	115	115	115
21.	21	115	00	PT. 115	115	115	115
22.	22	115	00	PT. 115	115	115	115
23.	23	115	00	PT. 115	115	115	115

FOOTAGE		NO. OF CORES	CORR. C	FORMATION (SHOW CORE RECOVERY)	ROTARY BPH	WT. ON BIT	PUMP PRESS	PUMP NO.	PUMP NO.	METHOD
FROM	TO									
10,569										
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
TIME LOG	SLIPPED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS							
4	5	11	11	Run Velocity Log						
5	6	11	11							
6	7	11	11							
7	8	11	11							
8	9	11	11							
9	10	11	11							
10	11	11	11							
11	12	11	11							

EVENING TOUR			
CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER		W.E. Conner	8
DREMAN		P.C. Singleton	8
PTWMAN		H.C. Ries	8
FIREMAN			
FLWMAN			
FRANET			
NO. ACC.			

