DAILY	DRILLING	KEPOR
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Report No._____

Date: 11/ /84 88-11A Well No.→ Spud Date 11/10/84 SE Location ___ Esmeralda, NV Contractor Willbros ______ Rig No. _____ County, State .____ Present Depth ______ Drilled _____ to _____ Footage cut last 24 hours _____ Mud / Air ______ Temperature in _____OE Out ____OF Mud Cooler On/Off ______ Mud Loss last 24 hrs______ Mud Weight ______ Vis. _____ Waterloss ______ CC__PH ______ Mud Cost last 24 hrs. Hole Size ________ Deviation Surveys _______ Stabilizers, Reamers _____ Shocksubs and other ______ Lithology Gases Loss Circulation - Other Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT **EXPENDITURES** Well History Hole Size Casing Size Interval 30" Budgeted _____ Conductor 20" __ to _2881 26" Surface Forward _____ 17 1/2" 13 3/8" 0 1055 Intermediate Daily Cost Liner TOTAL TO DATE Liner Other Cement Report _____

Coation SF	Well No. 88-11A			Date: November 19. 1984
Present Depth 167' Drilled 0' to 167' Footage cut last 24 hours	Location SF of SF	. SEC T	1S R 35E	·
Hud / Air	- · · · · · · · · · · · · · · · · · · ·	•		
Mud Weight 8.4 Vis. 40 Naterloss CPH 10.5 Mud Cost last 24 hrs Hole Size 26 "Deviation Surveys "Deviation Surveys Surveys "Deviation Surveys <td></td> <td></td> <td></td> <td></td>				
Hole Size 26				·
Bit # 17½' - Security S463 - Smith 26" Stabilizers, Reamers 100% Lithic Crystal Shocksubs and other Lithology Gases	· ·			
Stabilizers, Reamers 100% Lithic Crystal Shocksubs and other Lithology Gases Loss Circulation - Other Loss Circluation at 70' Mudlogger Engineer/ Drilling Foreman Otis Day / Ray Mara Geologist John Deymonaz ADDITIONAL REPORT 5 hrs. rig up and pick up bha; 1½ hrs. drilling and spud 26" holes at 62'; 3½ hrs. laid out 26" assembly and pick up 17½" assembly; 2 hrs. drilled at 70' loss circulation; 1½ hrs. sawdust; 10½ hrs. drilling 17½" holes to 167' Mell History Hole Size Casing Size Interval EXPENDITURES Conductor to Budgeted Surface to Forward Internediate to Daily Cost Liner to TOTAL TO DATE Liner to Conductor				
Shocksubs and other Lithology Gases Loss Circulation - Other Loss Circluation at 70' Mudlogger Engineer/ Drilling Foreman Otis Day / Ray Mara Geologist John Neymonaz ADDITIONAL REPORT 5 hrs. rig up and pick up bha; 1½ hrs. drilling and spud 26" holes at 62'; 3½ hrs. laid out 26" assembly and pick up 17½" assembly; 2 hrs. drilled at 70' loss circulation; 1½ hrs. sawdust; 10½ hrs. drilling 17½" holes to 167' Mell History				
Lithology	Stabilizers, Reamers 100% Lithic	c Crystal		
Coss Circulation - Other	Shocksubs and other			
Loss Circulation - Other Loss Circluation at 70'	Lithology .			
Mudlogger Engineer/ Drilling Foreman Otis Nay / Ray Mara Geologist John Neymonaz				
ADDITIONAL REPORT 5 hrs. rig up and pick up bha; 1½ hrs. drilling and spud 26" holes at 62'; 3½ hrs. laid out 26" assembly and pick up 17½" assembly; 2 hrs. drilled at 70' loss circulation; 1½ hrs. sawdust; 10½ hrs. drilling 17½" holes to 167' Well History Hole Size Casing Size Interval EXPENDITURES Conductor to Budgeted Surface to Forward Intermediate to Daily Cost Liner to TOTAL TO DATE Other to Domestic to Domestic to Daily Cost Liner to Domestic to Date				
3½ hrs. 1aid out 26" assembly and pick up 17½" assembly; 2 hrs. drilled at 70' loss circulation; 1½ hrs. sawdust; 10½ hrs. drilling 17½" holes to 167' Well History Hole Size Casing Size Interval EXPENDITURES Conductor to Budgeted Surface Surface to Daily Cost Liner to TOTAL TO DATE Cheer to One				-
1½ hrs. sawdust; 10½ hrs. drilling 17½" holes to 167' Well History Hole Size Casing Size Interval EXPENDITURES Conductor to Budgeted	ADDITIONAL REPORT _ 5 hrs. rig [up and pick up bha;	$1\frac{1}{2}$ hrs. drilling and spud 2	?6" holes at 62';
Well History	3½ hrs. laid out 26" assemb	ly and pick up 17½"	assembly; 2 hrs. drilled at	: 70' loss circulation;
Conductor to Budgeted Surface to Forward Intermediate to Daily Cost Liner to TOTAL TO DATE Other to	1/2 hrs. sawdust; 10/2 hrs. dr	rilling 17월" holes t	o 167'	
Conductor to Budgeted Surface to Forward Intermediate to Daily Cost Liner to TOTAL TO DATE Other to				
Conductor to Budgeted Surface to Forward Intermediate to Daily Cost Liner to TOTAL TO DATE Other to				
Conductor to Budgeted Surface to Forward Intermediate Daily Cost TOTAL TO DATE Liner to Other				
Surface to Forward Intermediate to Daily Cost Liner to TOTAL TO DATE Other to to	Well History Hole Size	Casing Size	Interval	EXPENDITURES
Intermediate	Conductor		to	Budgeted
Liner to TOTAL TO DATE Liner to to Other to	Surface		to	Forward
Liner to Other to	Intermediate		to	Daily Cost
Other to	Liner	· · · · · · · · · · · · · · · · · · ·	to	TOTAL TO DATE
	Liner		to	
Cement Report	Other		to	
	Cement Report			

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		<u>D</u>	AILY DRILLING KEPORT	Report No.
Well No88:	-11A			Date: November 11, 1984
Location SE	ofSE	SEC	15 R 35E	Spud Date
County, State	smeralda, Nevad	a Contrac	tor Willbros	Rig No 10
Present Depth	300' Drilled	167' to3	00' Footage cut last 24 hours .	
Mud / Air	Temperature	in OE Out	OF. Mud Cooler On/Off	Mud Loss last 24 hrs
Mud Weight . 9	.2 vis. 4	9 Waterloss	0 cc PH 10.0	Mud Cost last 24 hrs. \$1,432.00
Hole Size17	7½" "_ Deviation :	Surveys		
Bit ##1 S	Security #90021	<u>- Smith 26" - Hole</u>	Opener	
Stabilizers, Ream	ers <u>Reamer - 26</u>	" - #202526 -		
Lithology	100% Crysta	1 Cut		
Loss Circulation	- Other			
Mudlogger	Eng	ineer/ Drilling Foreman	Otis Day/Ray Mara	Geologist John Deymonaz
	-	-		ng to 300'; 3 hrs. laid down 17½" bha;
6 hrs. pick	up 26" bha to	open_hole		
Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	•		to	Budgeted
Surface	•		to	Forward
Intermediate	-		to	Daily Cost
Liner	<u> </u>	·	to	TOTAL TO DATE
1.5		•		
Liner			to	

Other

Cement Report ____

DATLY	DRILLING	"KEPORT
	DIVIERTING	IVEL OF

Well No. 88-1	<u> 11A</u>			Date: November	12 , 1984
		SEC	S R 35E	Spud Date Novem	<u>ber 10, 19</u> 84
				Rig No	
				irs	
				Mud Loss last 24 hrs	
			cc_ PH10.0		
Hole Size26	6 n Deviation	Surveys10			
Bit #					
Stabilizers, Ream	mers <u>out of h</u>	ole			
Shocksubs and oth	her				· · · · · · · · · · · · · · · · · · ·
Lithology					
Gases					
Loss Circulation	- Other -				
Mudlogger	Eng	ineer/ Drilling Foreman .	Otis Day / Ray Mara	Geologist John Neymonaz	
ADDITIONAL REPORT	10 hrs. ope	<u>n hole 26"; 1 hr. su</u>	<u>urvey; 5 hrs. circulatoin;</u>	1½ hrs. trip; 1½ hrs. laid down bh	a;
Well History	Hole Size	Casing Size	Interval	EXPENDITURES	
Conductor	***************************************		to	Budgeted	
Surface	•	•	to	Forward	
Intermediate		<u> </u>	to	Daily Cost	
Liner		•	to	TOTAL TO DATE	
LING					
Liner	-		to		
	•		to		
Liner	· · · · · · · · · · · · · · · · · · ·				·
Liner Other	•				

	_ SEC T	10 000		
		15 R 35E	Spud Date November	10, 1984
Present Depth 300' Drilled	ada Contrac	etor <u>Willbros</u>	Rig No10	
	to	Footage cut last 24 hours	•	
Mud / Air Temperature	in OE Out	OF. Mud Cooler On/Off	Mud Loss last 24 hrs	
Mud Weight Vis	Waterloss	cc. PH	Mud Cost last 24 hrs	
Hole Size <u>26</u> "Deviation	Surveys			
Bit #				
Stabilizers, Reamers		<u> </u>		
Shocksubs and other				··
Lithology				
Gases				
Loss Circulation - Other				
Mudlegger Eng	ineer/ Drilling Foreman	Otis Day / Ray Mara	Geologist John Neymonaz	
		•	ns on cement; 8 hrs. waiting on ceme	ent:
		•	ns on cement; 8 hrs. waiting on ceme	_
	op	•	ns on cement; 8 hrs. waiting on ceme	_
10 hrs 20" annular bo	Casing Size		ns on cement; A hrs. waiting on ceme	ent:
10 hrs 20" annular bo	Casing Size	Interval	ns on cement; A hrs. waiting on cements	ent:
10 hrs 20" annular bo	Casing Size	Interval to	ns on cement; A hrs. waiting on cement EXPENDITURES Budgeted	ent:
Mell History Hole Size Conductor Surface 26"	Casing Size	Interval to to	EXPENDITURES Budgeted Forward	ent:
Mell History Hole Size Conductor Surface	Casing Size	Interval to to to	EXPENDITURES Budgeted Forward Daily Cost	ent:
Well History Hole Size Conductor Surface	Casing Size	Interval to to to	EXPENDITURES Budgeted Forward Daily Cost	ent:

DATIV	DRILLI	NG REPORT
DHILI	DKILLI	NG KEPUKI

Well No. = 88-	-11A				Date: November 14, 1984
Location SE	of SE	_ SEC T	1S R	_35E	Spud Date <u>November 19, 19</u> 24
County, State	Esmeralda, Neva	da Contra	ctor <u>Will</u>	bros	Rig No
Present Depth	316' Drilled	300' to	316' Fo	otage cut last 24 h	nours . 16'
Mud / Air	Temperature	in <u>54 °</u> Out	82 ° _F	→ Mud Cooler On/Off	Mud Loss last 24 hrs.
Mud Weight9.	.0 vis. 4	O Waterloss	18	рн _10.5	Mud Cost last 24 hrs.
Hole Size	Deviation S	Surveys			
	/SJ Smith EH8513				
Stabilizers, Ream	ers <u>Reamer #20</u>	319: 95" collar: t	olade stabi	lizer #10002; cr	rossover: H&H shock: blade stabilizer #90043: er to drill pipe
Shocksubs and oth	ier		, J = N ₂ C	J11013, C103301C	er to diffi pipe
tithology10	00% crystal cut				•
Gases					
Loss Circulation	- Other				
Mudlogger Wayne	: Monger Engi	ineer/ Drilling Forema	n <u>Ray</u>	Mara	Geologist John Neymonaz
ADDITIONAL REPORT	7½ hrs. dri1	1 un; 3½ hrs. bick	< up 17½" bl	na; 3½ hrs. dri1	11 cement plug; shoe and float;
	10½ hrs. dri	<u> 11ing</u>			
			<u> </u>		
					
Well History	Hole Size	Casing Size	In	terval	EXPENDITURES
Conductor	36"			to	Budgeted
Surface	26"	20"	0	to <u>288</u>	Forward
Intermediate	•	•		to	Daily Cost
Liner	•			to	TOTAL TO DATE
Liner		*		to	
Other	•			to	
Cement Report					
			*** P 1876 ************************************		

DATEV	DD TI I I	N. AEDODI
DAILT	DKILLI	[NG REPORT

Report No.___6

MCTT MAN TO THE STATE OF THE ST				Date: <u>November 15, 1984</u>
Location SE	of SE	sec <u>11</u> † <u>1</u>	S R 35E	Spud Date November 10, 1984
				Rig No. 10
				ours59'
Mud / Air	Temperature	in 61 °E Out	87 °E. Mud Cooler On/Off	Mud Loss last 24 hrs
Mud Weight9.	0 vis	39 Waterloss	8 cc PH 11.0	Mud Cost last 24 hrs
Hole Size	2 U. Deviation	Surveys		
Stabilizers, Reame	erssame as	Report #5		
Shocksubs and othe	er 🚛			
Lithology10	00% Crystal Cut	; very hard and abra	sive	
Gases				
Loss Circulation -	- Other			
Mudlogger Wayr	ne Monger Eng	ineer/ Drilling Foreman .	Ray Mara	Geologist John Peymonaz
	161, has de	nilling: 21, hwa mat	now authorts 21, has thin	for hit. 21 has recoming CO! to hottom
ADDITIONAL REPORT	13% Nrs. u	riiing; 3½ nrs. roc	ary output, 22 mrs. trip	for bit: 2½ hrs. reaming 60' to bottom
ADDITIONAL REPORT	13% 1175. (1	riiing; 3½ nrs. roc	ary output, 23 mrs. trip	TOT DIT: /% NTS. realling ou to Duttom
ADDITIONAL REPORT	Hole Size		Interval	
Well History		Casing Size		
Well History	Hole Size	Casing Size 30"	Interval	EXPENDITURES
Well History Conductor	Hole Size	Casing Size 30" 20"	Intervalto	EXPENDITURES Budgeted
Well History Conductor Surface Intermediate	Hole Size	Casing Size 30" 20"	Interval toto	EXPENDITURES Budgeted
Well History Conductor Surface Intermediate	Hole Size	Casing Size 30" 20"	Interval to to to	EXPENDITURES Budgeted
Well History Conductor Surface Intermediate tiner	Hole Size	Casing Size 30" 20"	Interval to to to	EXPENDITURES Budgeted
Well History Conductor Surface Intermediate tiner	Hole Size	Casing Size 30" 20"	Interval to to to to	EXPENDITURES Budgeted
Well History Conductor Surface Intermediate Liner Liner Other	Hole Size	Casing Size 30" 20"	Interval to to to to	EXPENDITURES Budgeted

DAILY DRILLING KEPORT Date: ___11/16/84 Well No.≟ __ of ____SE County, State ___Esmeralda, NV Willbros _____ Contractor ____ 668' Footage cut last 24 hours 293' Present Depth 668' Drilled 375' to Mud / Air ______ Temperature in _____OF Out _____OF Mud Cooler On/Off ______ Mud Loss last 24 hrs____ Mud Cost last 24 hrs 10td: Mud Weight 9.3 Vis. 43 Waterloss 5.0 cm PH 11.0 Hole Size 17 1/2 " Deviation Surveys 420' 8it # 3, M44N S#942659 2-22 jets and 1-18 Rerun 302819, 3. reamer crossover 9 1/2" monel, blade stablizer, shocksub, crossover, blade stablizer, 3-10" drill collars and crossover to 8-8" drill collars, crossover to drill pipe. Shocksubs and other _____ Lithology _____ Loss Circulation - Other _____ Mudlogger Monger Mara Devmonaz _____ Engineer/ Drilling Foreman ___ _____Geologist ___ 4.5 hours drilling with bit #1, rerun from 375-435', 4 1/2 hrs tripped for new bit and 15 hrs drilling. Well History Hole Size Casing Size Interval EXPENDITURES 17' 36" 30" ... to Budgeted _____ Conductor 26" Forward ._____ Surface 17 1/2" Daily Cost _____ Intermediate TOTAL TO DATE _____ Liner Liner Other Cement Report

Well No. 88-11A Date: _____11/17/84 Location SE of SE SEC 11 T TS R 35E County, State ___Esmeralda, NV Contractor Willbros Rig No. 10 Present Depth 919 Drilled 668' to 919' Footage cut last 24 hours 251' Mud / Air ______ Temperature in 73 °F. Out 120 °F. Mud Copier On/Off ______ Mud Loss last 24 hrs. 150 harrels Mud Weight 9.2 Vis. 42 Waterloss 5.0 cc. PH 11.0 Mud Cost last 24 hrs \$1795. Hole Size 17 1/2 " Deviation Surveys 622' - 1/20N17W 800' - 3/40N13W, 908' - 3/40 Tota1: 12,694. Bit # 3 Sec. M44N with 2-22 jets, 1-18 jet; 435-919' 33 1/2 hrs. Stabilizers, Reamers __same as 11/16/84 Shocksubs and other _____ tithalogy 668-750' 100% lithic crstal tuff, 750-919' 100% volc. siltstone Gases _____ loss Circulation - Other LC @ 906', mixed LCM pill, drilled ahead, 50% loss of circulation, drill ahead, lost 150 barrels of mud and recovered 100% loss circ. Mudlogger Monger Mara Geologist Deymonaz Engineer/ Drilling Foreman .____ ADDITIONAL REPORT ______ 1/2 hr survey. 20 1/2 hrs drilling. 1/2 hr survey. 1 hr circulation & survey. 3 1/2 hrs tripped for new bit #5 Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30 ' ____ to __17' Conductor Budgeted _____ 26" 20" Forward _____ Surface 17 1/2" Daily Cost Intermediate Liner TOTAL TO DATE -----Liner Other Cement Report

DAILY	DRILLING	KEPOR1

Report No.__9 Date: ___11/18/84 Well No. 88-11A Spud Date ______ County, State Esmeralda, NV ______ Contractor _ Willbros 919 Present Depth 1085 Drilled 9 to 1085 Footage cut last 24 hours 166 Mud / Air ______ Temperature in _______ To _____ Out ______ F. Mud Cooler On/Off ______ Mud Loss last 24 hrs______ Mud Cost last 24 hrs 15691.00 Mud Weight 9.2 Vis. 43 Waterloss 6.0 cc. PH 11. Hole Size 17 1/2 " Deviation Surveys _____ Bit # _____out of hole_____ Stabilizers, Reamers ______ Shocksubs and other _____ Lithology _____ Loss Circulation - Other _____ Mudlogger ______ Geologist _____ Geologist _____ ADDITIONAL REPORT ______1 1/2 hrs finish trip for bit, 10 hrs drilling, 1/2 survey, 1/2 circulation, 1 hr short trip, 1/2 hr circ, 3 hrs trip and lay down 10" drill collars and bottom hole assembly, 1/2 hr rig up to run 13 3/8" casing, 3 hrs run 27 joints of 91#'s of 13 3/8" casing, set shoe @ 10,055, 1/2 hr circ, 3 hrs cementing. Finish cementing @ 6a. Good cement returns. Hole Size Well History Casing Size Interval **EXPENDITURES** 30 36" Conductor Budgeted ._____ Surface Forward _____ 17 1/2" Daily Cost Intermediate Liner TOTAL TO DATE _____ Liner Other Cement Report _____

Well	Na	88-1	1 A

		10	
Report	No	10	 -

Well No. 88-11A			,	Date:11/19/84
	of SE SEC	<u>11 </u>	S R 35E	Spud Date
ounty, State	Esmeralda, NV	Contractor	Willbros	
resent Depth	Drilled	1085 to 108	5 Footage cut last 24 hours	0'
				Mud Loss last 24 hrs
ud Weight	Vis	Waterloss	PH	Mud Cost last 24 hrs
ole Size	" Deviation Surve	ys		TOTAL: 13,385.
it #				
abilizers, Reamer	s			
ocksubs and other	•			
thology	· · · ·		· · · · · · · · · · · · · · · · · · ·	
ises				
ess Circulation -	Other			
udlogger	Engineer	/ Drilling Foreman		- Geologist
ıdlogger	Engineer	/ Drilling Foreman		- Geologist
dlogger	Engineer	/ Drilling Foreman	3/8" BOPE	Geologist
dlogger	Hole Size	/ Drilling Foreman - nrs nipple up 13 Casing Size	3/8" BOPE Interval	EXPENDITURES
dlogger	12 hrs WOC, 12 h	/ Drilling Foreman	Interval 0 to 17' 288'	EXPENDITURES Budgeted
dlogger	Hole Size	/ Drilling Foreman - nrs nipple up 13 Casing Size	Interval 0 to 17' 288' to	EXPENDITURES Budgeted Forward
DITIONAL REPORT. Property of the state of t	Hole Size 36" 26"	Casing Size 30" 20"	Interval 0 to 17' 288' 0 to 1055'	EXPENDITURES Budgeted Forward Daily Cost
DITIONAL REPORT. II History nductor rface termediate	Hole Size 36" 26"	Casing Size 30" 20"	Interval 0 to 17' 288' to	EXPENDITURES Budgeted Forward Daily Cost
ıdlogger	Hole Size 36" 26"	Casing Size 30" 20"	Interval 0 to 17' 288' 0 to 1055'	EXPENDITURES Budgeted Forward Daily Cost

88-11A

Report No. 11

Date: 11/20/84

Well No. ____ Spud Date 11/10/84 SE of SE SEC 11 T 1S R 35E Present Depth 1085 Drilled 1085 to 1085 Footage cut last 24 hours 0' Mud / Air ______ Temperature in ______OE. Out _____OE. Mud Cooler On/Off ______ Mud Loss last 24 hrs______ Mud Weight 9.2 Vis. 45 Waterloss 7. cc. PH 11.5 Mud Cost last 24 hrs 10TAL: 13,385. Hole Size ______ Deviation Surveys ______ Stabilizers, Reamers Shocksubs and other ______ Lithology -____ Loss Circulation - Other Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz

24 hrs. nipple up BOPE stack, welled and nipple up flow line, test the stack with 1,000 psi - ok. ADDITIONAL REPORT _____ Well History Hole Size Casing Size Interval **EXPENDITURES** 30" Budgeted _____ Conductor 20" Surface Forward . 17 1/2" 13 3/8" Daily Cost __\$13,670. Intermediate TOTAL TO DATE \$389,010. Liner Liner Other

Date: _____11/21/84 88-11A Well No. of SE SEC 11 T IS 11/10/84 Spud Date _ Location ___ County, State ____Esmeralda, NV _____ Contractor Willbros _____ Rig No. ______10 205 1290 Drilled 10 1085 Footage cut last 24 hours Present Depth ... Mud / Air _______ Mud Loss last 24 hrs______ Mud Cost last 24 hrs: \$1495; 14,880 TTL Mud Weight 9.0 Vis. 47 Waterloss 10 cc. PH 11 Bit # 6 Hughes Tri Cone J22, #FF6531; 1-#14 jet, 2-#13 jets 1085' Stabilizers, Reamers _ 3, reamer #201667 drilco; 1-8" Monel drl collar #EWC0316, 1 stabilizer RWP #610846, shocksub #31717, blade stabilizer #80135, 2-8" drl collars; 1 - blade stabilizer #80113, 8-8" drl collars crossover Shocksubs and other - to drl pipe. Lithglogy -1025-1290: 100% volc sandst with occasional pieces of lithic limestone Loss Circulation - Other _____ Mudlogger <u>Monge</u>r Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT . I hr nipple up & test flab gate & blind rams to 1000 #'s. 5 hrs pick up & make up bottom hole <u>assembly & RIH. 1 hr test pipe rams & h-drill to 1000 #'s, test OK, 7 1/2 hrs dr1 cement float collar & shoe950-1055'</u> 1 1/2 hrs drla formation, 1/2 hr survey @ 1109', 5 hrs drla, 1/2 hr survey @ 1258', 2 1/2 hrs drla. Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" 0 to 17' Budgeted _____ Conductor _ to _2881 26" 20" Forward ____ 30.947 Surface 17 1/2" 13 3/8" 1055 Daily Cost _____ 10,325 Intermediate 12 1/4 TOTAL TO DATE _ 419,957 Liner Liner Other Cement Report

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DATIV	ODILI THE	DEBORT
IIAII Y	DRILLING	KEPUKI
D/ 14 L. 1	DIVILLETING	IVEL OIL

Report No. 13 Mell No. ____88-11A Date: ____11/22/84 Location SE of SE SEC 11 T 1S R 35E County, State Esmeralda, NV Contractor Willbros _____ Rig No. 10 Present Depth 1504 Drilled 1290 to 1504 Footage cut last 24 hours 214 Mud Weight 9.7 Vis. 45 Waterloss 6 CC PH 11 Mud Cost last 24 hrs. \$2,140; 17,020 TTL Hole Size 12 1/4 " Deviation Surveys 1334: 1/20S29W; 1427: 10W; 1478: 10S36W Rit # same as 11/21/84 Stabilizers, Reamers Shocksubs and other _____ Lithology 1310-1400: 20-100% dolamite; 0-80% volc sandst-siltst; 1400-1504: 100% volc sandst-siltst Loss Circulation - Other Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT 2 hrs drig, 1/2 hr survey, 4 hrs drig, 1 hr survey, 3 hrs dri, 2 1/2 hrs survey, 11 hrs circulate & wait on scientific ayro multi shot Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" 0 to 17' Budgeted ______ Conductor __ to _2881 26" 20" Forward _____ Surface 17 1/2" 13 3/8" 1055 Intermediate Daily Cost _____ TOTAL TO DATE _____\$460,415 12 1/4 Liner Liner Other Cement Report _____

DATEV	DD TI I TM	OFDART
DAILI	DRILLING	KEPUKI

	5-11A			Date:
Location SE	of SE	SEC 11 T	1S R 35E	Spud Date
		NV Contrac		Rig No
Present Depth	1658 Drilled	1504 to	1658 Footage cut last 24 hour	s 154
				Mud Loss last 24 hrs
Mud Weight $\frac{9.1}{}$	Vis4	Waterloss	10 _{CC} _{PH} 10.5	Mud Cost last 24 hrs \$646; 17,666 TTL
Hole Size 12 T	/4 " Deviation S	Surveys 1566: 2 1/4	4 ⁰ N65E; 1599: N71E " Monel, 6-8" collars crosso	
Bit #	, #188523; turbo	o drl 2°kicksub, 8	" Monel, 6-8" collars crosso	ver to dri pipe
Stabilizers, Ream	ers			
Shocksubs and oth	er -1658- 70-100% v	volc sandst-siltst	; 0-30% x1 lithic tuff	
			Mara	Devmonaz
		 	hrs survey & drl, 4 hrs pump	hrs survey to orient tools, I hr survey & repair, 2 1/2 hrs survey
Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	36"	30"	0 to 17'	Budgeted
	26"	20"	0 to 288'	
Surface			0 1055	Forward
	17 1/2"	13 3/8"	0 to 1055	Daily Cost
Intermediate	17 1/2"	<u> </u>	to	Daily Cost
Intermediate Liner	<u> </u>	<u> </u>	to	
Surface Intermediate Liner Liner Other	<u> </u>	<u> </u>	to	Daily Cost\$471,750
Intermediate Liner Liner	<u> </u>	<u> </u>	to to	Daily Cost
Intermediate Liner Liner Other	<u> </u>	<u> </u>	to to	Daily Cost

		n	AILY DRILLING REPORT	Report No. 15
Well No88-	-TTA	=	ALET DIVICETING INCIDENT	Date:11/ 24/84
Location SE County, State	of SE Esmeralda, N	SEC		Spud Date
Mud / Airmud_	Temperature	in <u>68 °F</u> , Out		Mud Loss last 24 hrs
Stabilizers, Reame Shocksubs and othe ithology 1658-1	830: 80-100% vo		0-20% lithic tuff; 1830-1926	lizer, 12 dr1 clrs crossover to dr1 pipe 5: 95-100% lithic/xl tuff; 0-5% volc sandst
MudlaggerMong	jer Engi	neer/ Drilling Foreman 4 trip, 2 hrs rea	Mara	Geologist Deymonaz
Well History Conductor Surface Intermediate Liner Liner	Hole Size 36" 26" 17 1/2" 12 1/4	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055 to t	EXPENDITURES Budgeted Forward Daily Cost TOTAL TO DATE
ement Report				

Willbros

Rerun bit, 3. reamer Monel, 2 drl collars, stabilizer, 1 drl collar,

2143

o_E Out 122

35E

___ Footage cut last 24 hours ___

______ Mud Cooler On/Off ______ Mud L

217

Mud C

88-11A

Present Depth 2143 Drilled

Shocksubs and other _____

→ of SE

Stabilizers, Reamers - crossover to drl pipe.

County, State ____Esmeralda, NV ____Contractor ___

_____ Temperature in 59

1926

Hole Size 12 1/4 " Deviation Surveys 2008: 90N58E: 2039-81/20N51E: 2070-8 3/40N43E

Well No. -

Location ___

Mud / Air __mud

Mud Weight .__9.2

Report No
Date:
Spud Date . 11/10/84
Rig No. 10
\$2,012.;\$20,718 TTI
ost last 24 hrs. \$2,012.;\$20,718 111
stabilizer, 11-8" drl collar
<pre>1c ss-ss: 0-20% lithic tuff</pre>
Deymonaz
h turbo, 5 1/2 hrs pick up
-
•
KPENDITURES

Mudlogger Mon	ger Engi 3 1/2 hrs drī	neer/ Drilling Foreman G. I hr Survey, 5		Geologist <u>Deymonaz</u> rl. 3 hrs drlg with turbo. 5 1/2 hrs pick w
ell History onductor urface itermediate iner iner ther ement Report			Interval 0 to 17' 0 to 288' 0 to 1055 to to	Forward

DAILY DRILLIN	Vы	REP	OR:
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•		r	PATEV DOTELTAN	DEBORT	Report No. 17
Well No. 88-	11A	<u>u</u> =	DAILY DRILLING	KEPUKI	Date:
	of SE	SEC	1 <u>S</u> R	35E	Spud Date 11/10/84
County, State	F 7 1 M1			S	Rig No. 10
Present Depth2	2427 Drilled .			ge cut last 24 hours284	,
Mud / Airmud	Temperature i	in 109 °F. Out	142 °F Mu	ud Cooler On/Off Off	Mud Loss last 24 hrs
Mud Weight 9.2	Vis	Waterloss	8 .cc . PH .	<u>10</u>	Mud Cost last 24 hrs. \$456; TTL:21,183 89E; 2393: 13 3/40N37E
Hole Size 12 1/4	Deviation Su	rveys 2145: 10 1/	4 ⁰ N40E; 2240:	12 ⁰ N40E; 2330: 13 ⁰ N3	9E; 2393: 13 3/4 ⁴ N37E
7.1 11	. Turk Comma 10 7	748 100 #004EM			
Stabilizenon Reases	3. reamer #2	02264, short dril	1 collar #8009	9, blade stablizer #8	(0033
ANAX XXXX XXXX XXXX	- stabilizer	67 bit, 3, reame	r, short colla	ar, stabilizer Monel, ri bine	RWP, shocksub, stablizer, 2 drill collars
Lithology <u>2143-24</u>	127: 100% volc.	sandst-siltst.	1033074. 00 5.	- Pripe	
Gases					
					a, 1/2 hr survey, 3 hrs drlg, 1 hr
survey, / nrs	trip to change	bottom hole assem	bly, I hr ari	q .	
					•
			<u> </u>		
Well History	Hole Size 36"	Casing Size 30"	Interv O	· · ·	EXPENDITURES
Conductor	26"	20"	0 to	288'	Budgeted
Surface	17 1/2"	13 3/8"	0 .		Forward
Intermediate	12 1/4"		το		Daily Cost \$27,950 \$515,035
Liner			to		TOTAL TO DATE
Liner			to		
Other	•		to		
Cement Report					

DAILY DRILLING REPOR	DAILY	DRILLING	REPORT
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		,	ATLY DOTLLING OFFICET		Report No. 18
Well No88-	11A	! =	DAILY DRILLING REPORT		Date:
Location SE	of SE	SEC	1S _R 35E		Spud Date 11/10/84
	Esmeralda, N		tor Steam Reserve Corpora	ation	Rig No. Willbros #10
			2858 Footage cut last 24 ho		- nry no.
mud / Ain mud	Tennenture	135 05 04	152 of Mud Cooler On/Off	Mud Lace	
			8 <u>cc</u> PH 10	Hud Cost	last 24 hrs \$850; TTL: 22,033
Holo Siza 12 1	/4 " Deviation S	2507: 13 3/4	¹⁰ N35E; 2629: 14 ⁰ N36E; 2750	: 14 ⁰ N36E	1231 17 111 3
Bit # same a		urveys			
		11/26			· · · · · · · · · · · · · · · · · · ·
Shocksubs and othe	11	11			
Lithalage 2427-2	858: 80-100% v	olc sandst-siltst			
ADDITIONAL REPORT	5 1/2 hrs dr	lg; I hr survey; (Mara 5 hrs drlg; 1/2 hr survey;	5 hrs drlg; 1 hr su	vey; b hrs drig
Well History Conductor	Hole Size	Casing Size	Interval 0 to 17'		DITURES
Surface	26" 17 1/2"	20"	0 to 288'		har 400
Intermediate	12 1/4	13 3/8"	0 to 1055	Daily Cost	https://doi.
Liner	12 1/4	•	to	TOTAL TO DATE	,966 ,966
Liner		•	to		
Other	•	•	to		
Cement Report					
· · · · · · · · · · · · · · · · · · ·		**************************************			

		,	DAILY DRILLING REPORT	Report No. 19
Nell No88	I-11A	:	DATE: DATECTION RELIGIO	Date: 11/29/84
Location SE	of SE	SEC	1S _R 35E	Spud Date 11/10/84
	Esmeralda, N		ctor Steam Reserve Corporatio	n Rig No. Willbros #10
December Death	3152 po:11-d	2858 . 31	152 Footage cut last 24 hours	294
				Mud Loss last 24 hrs.
nud / Air9,	6 vi. 45) Hata-lasa	6.0 cc PH 9.5	Mud Cost last 24 hrs. \$1,542.;TTL:23,57
lole Size 12 17	Same as 11/27/8	urveys		
	II B)-T		
Stabilizers, Ream		······································		
Shocksubs and other	er	1.1	70. 20 100% 1:th: - tuff. 0 70%	vol cc cc: 2070, 2152: 100% vol cc-cc
ithology <u>2858</u> -	-2870: [00% vol.	sandst.; 28/0-29/	70: 30-100% lithic tull; 0-70%	vol ss-ss; 2970-3152: 100% vol ss-ss
Gases				
	- Other			
	· -		Ma	D
Mudlogger <u>MON</u>	ger Engi	neer/ Drilling Foreman	n <u>Mara</u>	Geologist <u>Deymonaz</u>
Mudlogger <u>Mon</u> ADDITIONAL REPORT	<u>3 1/2 hrs</u>	neer/ Drilling Foremandrig; 1 hr survey	n <u>mara</u> y, 9 1/2 hrs drlg, 1/2 hr surve	ey, 9 1/2 hrs drig
Mudlogger MON ADDITIONAL REPORT	3 1/2 hrs	drīg; 1 hr survey	y, 9 1/2 hrs drlq, 1/2 hr surve	ey, 9 1/2 hrs drla
Mudlogger MON ADDITIONAL REPORT	3 1/2 hrs	neer/ Drilling Foremandrig; 1 hr survey @ 2970' 3 p.m.	y, 9 1/2 hrs drlq, 1/2 hr surve	gy, 9 I/2 hrs dria
Mudlogger <u>Mon</u> ADDITIONAL REPORT	3 1/2 hrs	drīg; 1 hr survey	y, 9 1/2 hrs drlq, 1/2 hr surve	ey, 9 1/2 hrs drig
Mudlogger MON ADDITIONAL REPORT	3 1/2 hrs	drīg; 1 hr survey	y, 9 1/2 hrs drlq, 1/2 hr surve	ey, 9 1/2 hrs drla
Mudlogger MON	3 1/2 hrs	drīg; 1 hr survey	y, 9 1/2 hrs drlq, 1/2 hr surve	ey, 9 1/2 hrs drla
ADDITIONAL REPORT	3 1/2 hrs Cooler on	drīg; 1 hr survey @ 2970' 3 p.m.]	y, 9 1/2 hrs drlg, 1/2 hr surve	ey, 9 1/2 hrs dr1g
ADDITIONAL REPORT	3 1/2 hrs	drīg; 1 hr survey	y, 9 1/2 hrs drlg, 1/2 hr surve	ey, 9 1/2 hrs dr1g EXPENDITURES
DDITIONAL REPORT	3 1/2 hrs Cooler on Hole Size	drīg; 1 hr survey @ 2970' 3 p.m. 1	Interval 0 to 17'	EXPENDITURES Budgeted
DDITIONAL REPORT	3 1/2 hrs Cooler on Hole Size 36"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30" 20"	Interval O to 17' 288'	EXPENDITURES Budgeted
DDITIONAL REPORT ell History onductor urface ntermediate	3 1/2 hrs Cooler on Hole Size 36" 26" 17 1/2"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30"	Interval O to 17' O to 288' O to 1055	EXPENDITURES Budgeted Forward Daily Cost \$12,104
Mell History Conductor Surface Entermediate Liner	Cooler on Hole Size 36" 26"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30" 20"	Interval O to 17' 288'	EXPENDITURES Budgeted
DDITIONAL REPORT Well History Conductor Furface Intermediate iner	3 1/2 hrs Cooler on Hole Size 36" 26" 17 1/2"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30" 20"	Interval O to 17' O to 288' O to 1055	EXPENDITURES Budgeted Forward Daily Cost \$12,104
Well History Conductor Curface Intermediate Iner	3 1/2 hrs Cooler on Hole Size 36" 26" 17 1/2"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30" 20"	Interval O to 17' O to 288' O to 1055	EXPENDITURES Budgeted Forward Daily Cost \$12,104
Audlogger MON ADDITIONAL REPORT Well History Conductor Surface (Intermediate Liner Liner Cement Report Lement	3 1/2 hrs Cooler on Hole Size 36" 26" 17 1/2"	drīg; 1 hr survey @ 2970' 3 p.m. 1 Casing Size 30" 20"	Interval O to 17' O to 288' O to to 1055 to to to 1055	EXPENDITURES Budgeted Forward Daily Cost \$12,104

Well No88-	1175			Date:11/29/84
	of SE	SEC	1S R 35E	Spud Date
County, State	Esmeralda, N	[V Contrac	tor Steam Reserve Corporat	tion Rig No. Willbros #10
			491 Footage cut last 24 hour	rs339'
Mud / Air	Temperature	in135	156 °F. Mud Cooler On/Off _	On Mud Loss last 24 hrs
Mud Weight $\frac{9.0}{12.17}$	Vis43	Waterloss	4 ⁰ N355: 3250: 13 3/4 ⁰ N375: 3	Mud Cost last 24 hrs: \$269.; TTL:23,8 3366: 14 ⁰ N37E
Hole Size . 12 1/2	be 11/20	urveys	4 MODE, 3230. TO 375 MOZE, C	3300° 17 N37E
same a				
Stabilizers, Reame	rs			
Shocksubs and othe	r	05 0040 0401 10	00/ 11: 1	
Lithology $3110-3$	3344: 100% x tu	uff; 3340-3491: 10	0% silica volcanics	
Gases				
				n Devmonaz
MudloggerMong	er Engi	neer/ Drilling Foreman	Mara	Geologist Deymonaz hrs drīa; 1/2 hr survey; 7 hrs drīa
Mudlogger Mond	er Engi	neer/ Drilling Foreman	Mara	Geologist Deymonaz hrs drīa; 1/2 hr survey; 7 hrs drīa EXPENDITURES
Mudlogger Mond ADDITIONAL REPORT	Hole Size	neer/ Brilling Foreman Survey; 7 1/2 hrs Casing Size	Mara dr1g; 1/2 hr survey; 6 1/2 h	hrs drīa; 1/2 hr survey; 7 hrs drīa
Mudlogger Mond ADDITIONAL REPORT Well History Conductor	Hole Size 36"	Casing Size 30"	Mara dr1g; 1/2 hr survey; 6 1/2 h Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted Forward
Mudlogger Mong ADDITIONAL REPORT Well History Conductor Surface	Hole Size 36" 26" 17 1/2"	neer/ Brilling Foreman Survey; 7 1/2 hrs Casing Size	Mara dr1g; 1/2 hr survey; 6 1/2 h	EXPENDITURES Budgeted Forward Daily Cost
Mudlogger Mond ADDITIONAL REPORT Well History Conductor Surface Intermediate	Hole Size 36"	Casing Size 30"	Interval 0 to 288'	EXPENDITURES Budgeted Forward \$11.257
Mudlogger Mond ADDITIONAL REPORT Well History Conductor Surface Intermediate Liner	Hole Size 36" 26" 17 1/2"	Casing Size 30"	Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted Forward Daily Cost \$11,257
Loss Circulation - Mudlogger Mong ADDITIONAL REPORT Well History Conductor Surface Intermediate Liner Liner	Hole Size 36" 26" 17 1/2"	Casing Size 30"	Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted Forward Daily Cost \$11,257

DAILY	DRILLING	REPOR
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88-11A Date: 12/ 01 /84 Well No. -__ of __SE 35E Location -County, State Esmeralda, NV Contractor Steam Reserve Corporation Rig No. Willbros #10 4056 Drilled 3762 to 4056 Footage cut last 24 hours 294 Present Depth .__ Mud V Air ._____ Temperature in 177 °F. Out 142 °F. Mud Cooler On/Off Mud Loss last 24 hrs...... Hud Weight 9.6 Vis. 39 Waterloss 6.6 cc PH 10.5 Mud Cost last 24 hrs: \$382;TTL: \$25.588 Hole Size 12 1/4 " Deviation Surveys 3742: 140N35E; 3867: 130N34E; 3991: 13 3/40N34E Bit # 12 1/4 Smith F3L #EE7838 Stabilizers, Reamers ___same as rpt #20 Shocksubs and other _____ Lithology 3762-4056: 100% acidic volcanic, probably rhyolite flow Loss Circulation - Other _____ Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT ______172 hr drlg, 1/2 hr survey, 10 1/2 hrs drlg, 1/2 hr survey, 8 1/2 hrs drlg, 1/2 hr survey, 3 hrs drlg Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" 0 to 17' Budgeted ____1.927.800 Conductor _ to _2881 20" Surface _ to _ 1055 17 1/2" 13 3/8" Daily Cost _ 11.337___ Intermediate 607,027 12 1/4 TOTAL TO DATE ____ Liner Liner Other Cement Report _

Well No. 88-	-11A			Date: 12/ 02 /84
	of SE	SEC	1S R 35E	Spud Date
County, State			tor Steam Reserve Corporat	
			29 Footage cut last 24 hour	
Mud Meight 9.7 Hole Size 12 1/	Vis. 39 /4 u Deviation S	in 113 °E. Out		Mud Loss last 24 hrs: \$1,376;\$26,964 TT
Stabilizers, Rease Shocksubs and othe Lithology 4056-	as 12/1 rs " " -4329: 100% hark	less formation (be	egan @3500'),40-80% siltst; 2	
Loss Circulation - Mudlogger Monc	Other		· · · · · · · · · · · · · · · · · · ·	Geologist Deymonaz 5 hrs drlg
Well History Conductor Surface Intermediate Liner	Hole Size 36" 26" 17 1/2" 12 1/4	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055 to to	EXPENDITURES 1,927,800 Forward 670,027 Daily Cost 12,082 TOTAL TO DATE 619,109
Other Cement Report	•	•	to to	

Well No. 88	-11A	-		Date: 12/3 /84
		SEC		Spud Date
County, State			or Steam Reserve Corporation	
Mud / Air <u>mud</u>	Temperature i	in 117 or Out .	58 Footage cut last 24 hours 143 °E. Mud Cooler On/Off O .8 CC. PH 10 E; 4485: 14 1/2 N34E	229' 4380-4510: 100 bbls to format Mud Luss last 24 hrs: \$1,234;\$28,198 TTL
Bit # same as	41		· · · · · · · · · · · · · · · · · · ·	
Stabilizers, Reame	ers			
	4558: 100% ss-s	s; harkless format	ion, lower Cambrian; age 500m	ny
MudlaggerMon	ger Engir	neer/ Drilling Foreman 2 hr survey, 11 1/		Geologist <u>Deymonaz</u> 1/2 hrs drlg
Well History Conductor Surface Intermediate Liner Liner	Hole Size 36" 26" 17 1/2" 12 1/4	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055 to to	EXPENDITURES Budgeted Forward Daily Cost
Other Cement Report	•		to	

Date: 12/ 04 /84 -88-11A Well No. Spud Date 11/10/84 of SE 35E Location -Rig No. <u>Villbros</u> #10 County, State ____Esmeralda, NV ______ Contractor ____ Steam Reserve Corporation 14' ____ to _4572 Present Depth 4572 Drilled 4558 ____ Footage cut last 24 hours ___ ____ Waterloss ____6.6 ____ PH _____10.5 Mud Weight 9.7 Vis. 39Mud Cost last 24 hrs: \$1,014;29,212 TTL Hole Size 12 1/4 " Deviation Surveys 4547: 15 1/4 N35E Bit # _13, Security M89TF SS#161257 Stabilizers, Reamers _ new 3. reamer (#200843), new bit, short drill collar, stabilizer, 8" Monel, RWP stablilizer, shocksub, stabilizer, drill collar, stabilizer, 12 drill collars, crossover drill pipe Shocksubs and other Lithology 4558-4571: 100% ss-ss of Harkless formation Loss Circulation - Other -----Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist _______ Deymonaz ADDITIONAL REPORT _ 3 1/2 hrs drlg, 1/2 hr survey, 1 hr circulate, 1/2 hr survey, POH, temp survey 7 hrs, 2 1/2 RIH, 4 1/2 hrs ream (4480-4552) Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" __ to __17' Budgeted Conductor to 2881 20" Surface Forward ____ 17 1/2" 13 3/8" 1055 Intermediate TOTAL TO DATE _____685,693 Liner Liner Other Cement Report .

Well No. 88-11A	DAILY DRILLING REPORT	Report No. 26 Date: 12/ 05 /84
County, State Esmeralda, NV Present Depth 4663 Drilled 4572 Mud / Air mud Lepperature in 122	Contractor Steam Reserve Corporation to 4663 Footage cut last 24 hours - or Out 151 or Mud Cooler On/Off - laterloss 6.6 PH 11.0 4630: 15 1/4 N32E	91' - Nud Luss Last 24 hrs.
ADDITIONAL REPORT _ 2 hrs reaming, no go		1 1/2 hrs reaming 60' to bottom,

Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	36"	30"	0 to17'	Budgeted
Surface	26"	20"	0 to 288'	Forward
Intermediate	17 1/2"	13 3/8"	0 to 1055	Daily Cost 14,092
Liner	•	·	to	TOTAL TO DATE699,785
Liner		•	to	
Other	•		to	
Cement Report	<u> </u>			

	Da	AILY DRILLING KEPORT	Report No27
Well No88-11A			Date: 12/ 06 /84
Location SE of SI	E SEC 11 T 1	S R 35E	Spud Date 11/10/84
County, StateEsmera	lda, NV Contract	Steam Reserve Corporation	Rig No. Willbros #10
Present Depth 4805 D	rilled $\frac{4663}{}$ to $\frac{48}{}$	BO5 Footage cut last 24 hours —	142'
Mud / Air Temper	rature in 119 °E Out .	7.2 Nud Cooler On/Off	Mud Cost last 24 hrs. \$994;30,821 TTL
Hole Size 12 1/4 II Devi	4753: 15 ⁰ 1	N31E	
- 0 m -	action surveys		
Stabilizers, Reamers same			
Shocksubs and other			
Lithology 4663-4805: 100			
Gases			
Loss Circulation - Other			
Mudlogger Monger	Engineer/ Drilling Foreman	Mara	- Geologist <u>Deymonaz</u>
ADDITIONAL REPORT 21 hrs d	rlg, 1/2 hr surve, 2 1/2	2 hrs drlg	
Well History Hole Si	ze Casing Size	Interval	EXPENDITURES
Conductor 36"	30"	0 to 17'	Budgeted
Surface 26"	20"	0 to 288'	Forward 699,785
Intermediate 17 1/	/2" 13 3/R"	0 to 1055	Daily Cost
Liner 12 1	/4	to	TOTAL TO DATE
Liner		to	
Other		to	
Cement Report	<u></u>		

DAILY	DRILLING	KEPOR

SE	RR	-11A	<u> </u>	AILY DRILLING KEPORT	Report No. 28
Nud Air mud Temperature in 126	Location SE	of SE			Date: 12/ 07 /84 Spud Date 11/10/84 ation Rig No. Willbros #10
Stabilizers, Reasers	Mud / Air	Id	in <u>126 °F</u> Out ——— Waterloss —— urveys <u>4888:</u> 15 ⁰		
Muldogger Monger Engineer/ Drilling Forewan Mara Geologist Deymonaz	Stabilizers, Reamond Shocksubs and other Lithology 48	ers " 805-4948: 100%:	SS-SS		
Conductor 36" 30" 0 to 17' Budgeted	MudloggerMon	ger Engi	neer/ Drilling Foreman	Mara	Geologist <u>Deymonaz</u>
Intermediate 17 1/2" 13 3/8" 0 to 1055 Daily Cost	-		-		EXPENDITURES Budgeted
Other to	Intermediate Liner	***************************************		ሰ 1ስፍፍ	Daily Cost12,296
	Other	•		to	

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HALLY	TIK III ING	KFPUR
DUTE	DIVALLATION	IVEL OIL

reli No BO-IIA			Date: 12/ 08 /84
ocation <u>SE</u> of <u>SE</u> ounty, State <u>Esmeralda</u> ,	SEC	IS R 35E tor Steam Reserve Corporat	Spud Date
esent Depth <u>5140</u> Drilled	4948 to 5	140 Footage cut last 24 hour	n Hud Loss last 24 hrs.
le Size <u>12 1/4"</u> Deviation	Surveys 5013: 15	1/2 ⁰ N32E	#ud Cost last 24 hrs: \$894;34,196 TT
ocksubs and other			
ss Circulation - Other			Garlania De Ymonaz
ITIONAL REPORT . 16 1/2 hrs	drlg, 1/2 hr surve	y, 7 hrs dr]g	
25"	Casing Size	Interval	EXPENDITURES
ductor 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055	Forward 724,679 Oaily Cost 11,852
face 36"	30" 20"	0 to 17'	Budgeted

DATE I DIVILLATING WELLOW	DAIL	Y.	DRIL	LING	KEPOR
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*		r	DAILY DRILLING KEPORT	Report No. 30
Well No 88	B-11A		THE DRIEFING REPORT	Date: 12/ 09 /84
Location SE	of <u>SE</u>	SEC		Spud Date
•			tor Steam Reserve Corporation	•
•	_		5358 Footage cut last 24 hours	
•	•			Mud Loss last 24 hrs 80 bbls to formati
Nud Weight 9	.4 Vis 3/		7.5 cc. PH 11.0	Mud Cost last 24 hrs: \$1,325;35,521 TTL
,		urveys 5135: 15	1/4 ⁰ N32E; 5250: 15 1/4 ⁰ N31E	
Bit #				
Stabilizers, Ream	iers			
Shocksubs and oth	er <u>"</u>			
Lithology5	<u> 140-5358: 100% s</u>	SS-SS		
Gases -				
Loss Circulation	- Other . 80 bbls	to formation slo	wly_from_5200-5350'	
			••	_
			Mara hrs drlg, 1/2 hr survey, 7 hrs	drlg Deymonaz
ADDITIONAL REPORT	3.1/2 hrs drlg	casing Size		
ADDITIONAL REPORT	Hole Size	Casing Size	Interval O to 17'	dr]g
ADDITIONAL REPORT	Hole Size	casing Size	Interval O to 17'	EXPENDITURES
Well History Conductor Surface	Hole Size	Casing Size	hrs drlg, 1/2 hr survey, 7 hrs. Interval	EXPENDITURES Budgeted Forward 736,531
Well History Conductor Surface Intermediate	Hole Size	Casing Size 30" 20"	Interval 0 to 17' 288'	EXPENDITURES Budgeted Forward 736,531 Daily Cost 12,224
Mell History Conductor Surface Intermediate Liner	Hole Size	Casing Size 30" 20"	Interval O to 17' O to 288' O to 1055	EXPENDITURES Budgeted Forward 736,531 Daily Cost 12,224
Mell History Conductor Surface Intermediate Liner	Hole Size	Casing Size 30" 20"	Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted Forward 736,531 Daily Cost 12,224
Mell History Conductor Surface Intermediate tiner Liner Other	Hole Size	Casing Size 30" 20"	Interval O to 17' O to 288' O to 1055 to to	EXPENDITURES Budgeted Forward 736,531 Daily Cost 12,224
Well History Conductor Surface Intermediate Liner	Hole Size 36" 26"	Casing Size 30" 20"	Interval O to 17' O to 288' O to 1055 to to	EXPENDITURES Budgeted Forward 736,531 Daily Cost 12,224

DAILY	DRILLING	R	RT

Date: 12/ 10 /84 88-11A Well No. ___ Spud Date 11/10/84 SE of SE SEC 11 1 1S R 35E Location ___ Rig No. Willbros #10 Contractor Steam Reserve Corporation Esmeralda, NV County, State _____ Present Depth $\underline{5358}$ Drilled $\underline{5358}$ to $\underline{5358}$ Footage cut last 24 hours $\underline{0}$ OF. Mud Cooler On/Off On Mud Luss last 24 hrs Mud Cost last 24 hrs. \$1,498;37,019 TTL Mud Weight 9.4 Vis. 36 Naterloss 7.5 cc PH 10.0Hole Size $12 \frac{1}{4}$ " Deviation Surveys 5333: 15° N30E Rit # . 14, Reed HS51 #954960 Stabilizers, Reasers 3. reamer redressed rerun #202264 short drl collar rerun #80009, near bit stabilizer new #800020, Monel Shocksubs and other drl collar rerun EWC #36, RWP Drilco redressed rerun #610846, shocksub Drilco rerun #31715, blade stabilizer SCI new #80114, 208" drl collars, blade stabilizer SCI, new #80097; 12-8" drl collars crossover Lithology (None) Loss Circulation - Other _____ Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT _ 1 hr survey, 14 hrs POH, inspect all drill collars, all subs, with Drilco and install valve on banjo box, 3 1/2 hrs RIH, 1 hr circulate 3,000', 4 1/2 hrs washand ream from 5300-5338'. M. S. Kooms fell from BOP stack about 15' landing on cement pad and was transported by ambulence to Inyo-Mono Hospital in Bishop, CA Well History Hole Size Casing Size Interval EXPENDITURES 36" 30" Budgeted -----Conductor 26" 20" 2881 Surface 17 1/2" 13 3/8" 1055 Intermediate TOTAL TO DATE _ 785,674 Liner Liner Other Cement Report _____

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DWIFT	DUILL	LINU NE	.r on i

Report No. 32 Well No. 88-11A Date: 12/ 11 /84 Spud Date 11/10/84 SE SE SEC 11 1 1S 35E Location ____ County, State ____Esmeralda, NV Rig No. <u>Willbros</u> #10 Contractor Steam Reserve Corporation 134' Present Depth 5492 Drilled 5358 to 5492 Footage cut last 24 hours ___ 100 bbls of mud Mud / Air mud Temperature in 136 or Out 155 or Mud Cooler On/Off On Mud Loss last 24 hrs Mud Cost last 24 hrs: \$1,675;38,694. Mud Weight 9.4 Vis. 39 Waterloss 6.8 cc PH 10.5 Hole Size 12 1/4 " Deviation Surveys none Bit # _____same as 12/10 Stabilizers, Reamers _____ Shocksubs and other New Drilco shocksub #31408 Lithology 5358-5492: 100% ss-ss Gases CO₂ range avg. 350 ppm and C_1 0 to a trace Loss Circulation - Other 100 bbls Tost to formation slowly Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT 2 hrs wash and ream 5300-5358', 4 hrs POH and change out Drilco shocksub, 2 hrs RIH, 1 hr circulate @ 3380', 2 hrs RIH, 1 hr wash and ream 5300-5358', 12 hrs drlg. Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" Budgeted _____ Conductor _ to _2881 26" Surface Forward 17 1/2" 13 3/8" Intermediate TOTAL TO DATE _____800,063 Liner Liner Other Cement Report ____

DIVILL DIVILLING NEI ON	DAILY	DRILLING	REPORT
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Well No. ____88-11A Date: 12/ 12 /84 Spud Date 11/10/84 Location SE of SE SEC 11 T 1S 35E County, State ____Esmeralda, NV Rig No. Willbros #10 Contractor Steam Reserve Corporation Present Depth 5748 Drilled 5492 to 5748 Footage cut last 24 hours 256' (Mud) Air ______ Temperature in 145 of Out 162 of Mud Cooler On/Off _____ Mud Loss last 24 hrs____ Mud Cost last 24 hrs: 1,130;39,824 TTL Mud Weight 9.3 Vis. 42 Waterloss 7.2 cc PH 11.0Hole Size 12 1/4 " Deviation Surveys 5507: 14 3/4 N30E; 5657: 14 1/4 N26E same Bit # _____ Stabilizers, Reamers Shocksubs and other _____ Lithology 5492-5650: 60-100% sandst, 0-40% siltst; 5650-5748: 100% siltst. Gases CO₂ 350 ppm; C₁ trace to 2 ppm Loss Circulation - Other _____ Mudlogger Monger Engineer/ Drilling Foreman Mara Geologist Deymonaz ADDITIONAL REPORT 1 hr survey (misrun), 4 hrs drlg, 1 hr survey, 1 hr repair motors, 8 1/2 hrs drlg, 1/2 hr survey, 2 hrs drlg, 2 1/2 hrs prime diesel motors, 3 1/2 hrs drilling. Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" 0 to 17' Budgeted _____ Conductor __ to _2881 26" 20" Surface Forward _____ 17 1/2" 13 3/8" Daily Cost 11,578 Intermediate TOTAL TO DATE ______814,252 Liner Liner Other Cement Report ___

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ell No				Date: 12/ 13 /84
	of SE	SEC	1S R 35E	Spud Date
	Esmeralda, N			Rig No. Willbros #10
			73 Footage cut last 24 hour	
				On Nud Loss last 24 hrs
Size	1/4 n Deviation S	urveys 5755: 13 ⁰ N26	.0 <u>cc</u> PH 11.0 6E; 5880: 13 ⁰ N20E; 5942: 11 ⁰	N19E
<i>#</i>		· · · · · · · · · · · · · · · · · · ·		
bilizers, Ream	ers			· · · · · · · · · · · · · · · · · · ·
cksubs and othe	er <u> </u>	·		
hology57	48-5973: 100% d	lark gray siltst.	· · · · · · · · · · · · · · · · · · ·	
es				
s Circulation .	- Other			
llogger <u>Mon</u>	ger Engi	neer/ Drilling Foreman	Mara	Geologist Deymonaz 4 hrs drīg, 1 hr survey, 1/2 hr drīg,
logger <u>Mon</u> ITIONAL REPORT	ger Enging 2 hrs drīg,	neer/ Drilling Foreman	Mara	Geologist Deymonaz 4 hrs drīg, 1 hr survey, 1/2 hr drīg,
logger Mon	ger Enging 2 hrs drīg,	neer/ Drilling Foreman I hr survey, 10 1,	Mara /2 hrs drlg, 1/2 hr survey,	4 hrs drīg, 1 hr survey, 1/2 hr drīg,
History	ger Enging 2 hrs drīg,	neer/ Drilling Foreman	Mara /2 hrs drlg, 1/2 hr survey, Interval	4 hrs drlg, 1 hr survey, 1/2 hr drlg, EXPENDITURES
logger Mon ITIONAL REPORT 4 L History	ger Enging 2 hrs drlg, 1/2 hrs POH Hole Size 36" 26"	neer/ Drilling Foreman I hr survey, 10 1,	Mara /2 hrs drlg, 1/2 hr survey,	4 hrs drlg, 1 hr survey, 1/2 hr drlg, EXPENDITURES Budgeted
logger Mon ITIONAL REPORT 4 I History ductor face	ger Enging 2 hrs drīg, 1/2 hrs POH Hole Size 36"	Casing Size	Mara /2 hrs drlg, 1/2 hr survey, Interval 0 to 17'	4 hrs drig, 1 hr survey, 1/2 hr drig, EXPENDITURES Budgeted — Forward —
logger Mon ITIONAL REPORT 4 I History ductor face ermediate	ger Enging 2 hrs drlg, 1/2 hrs POH Hole Size 36" 26"	Casing Size 30"	Mara /2 hrs drlg, 1/2 hr survey, Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted — Forward — Daily Cost — 11,272
logger Mon	ger Enging 2 hrs drlg, 1/2 hrs POH Hole Size 36" 26"	Casing Size 30"	Mara /2 hrs drlg, 1/2 hr survey, Interval 0 to 17' 0 to 288' 0 to 1055	4 hrs drlg, 1 hr survey, 1/2 hr drlg, EXPENDITURES Budgeted
dlogger Mon	ger Enging 2 hrs drlg, 1/2 hrs POH Hole Size 36" 26"	Casing Size 30"	Mara /2 hrs drlg, 1/2 hr survey, Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted — Forward — Daily Cost — 11,272
dlogger <u>Mon</u> DITIONAL REPORT	ger Enging 2 hrs drlg, 1/2 hrs POH Hole Size 36" 26"	Casing Size 30"	Mara /2 hrs drlg, 1/2 hr survey,	EXPENDITURES Budgeted — Forward — Daily Cost — 11,272

DAILY DRILLING	G REPOR'
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		0	AILY DRILLIN	G REPORT	Report No. 35
Well No88-	-11A				Date: 12/14 /84
Location SE	ofSE	SEC	1S R _	35E	Spud Date
County, State	Esmeralda, N	V Contrac	tor Steam	Reserve Corpor	ration Rig No. Willbros #10
Present Depth	6250 Drilled	5973 to 6	250 Foot	age cut last 24 ho	
Mud / AirMU	id Temperature	in 143 o _F Out	169 o _F	Mud Cooler On/Off	On Mud Loss last 24 hrs.
Mud Weight 9.4	Vis41	Waterloss	'.4 	11.0	### Cost last 34 hrs: 1.624;42,123 TTL 5: 13 1/4 NITE, 6188: 14 N9E
Hole Size 12 1	1/4 " Deviation S	urveys 6000: 10 3/4	^O N19E, 6060:	12 ^o N15E, 6125	5: 13 1/4°N11E, 6188: 14°N9E
Bit #15,	HTC J33 #R2319	-			
Stabilizers, Reame	same as be	fore			
Shocksubs and othe	11				
Lithology <u>5973</u>	3-6250: 100% sil	tst.		· · · · · · · · · · · · · · · · · · ·	
GasesCO_	350 ppm, C ₇ tra	ce 5 ppm			
Loss Circulation -	- Other				
Mudlogger Mone		neer/ Drilling Foreman	Mara	<u> </u>	Geologist <u>Deymonaz</u>
ADDITIONAL REPORT	/2 hrs drlg, 1/2	hr survey, 2 hrs	s drlg, 1/2 h	r survey, 3 1/	hrs ream 60' to bottom, 2 hrs drlg, 1/2 hr surve /2 hrs drlg, 1 hr survey, 3 1/2 hrs drlg.
Well History	Hole Size 36"	Casing Size	Inte		EXPENDITURES
Conductor	26"	20"	n	2001	Budgeted
Surface	17 1/2"	13 3/8"	t	1055	Forward
Intermediate			t		Daily Cost 10,766
Liner	•		<u> </u>)	TOTAL TO DATE
Liner		(A to the second of the second		
Other	B	•			
Cement Report	<u> </u>				

DATEV	DOTE LINC	t. OOD
DATE I	DRILLING	REPUR

Well No. 88-	11A					Date: 12/15 /84
LocationSE	Compue 1de N	SEC T		5E serve Corporation		Spud Date
County, State				e cut last 24 hours		→ K1g NO
Mud / Airmud Mud Weight9.4 Hole Size12_1/	Temperature		159 °E Mu	d Cooler On/Off On	Mud Loss 1	last 24 hrs
8it # 15, #	#R2319 . 3. reamer #	14869, short dr1 d	collar, NB stal	bilizer #80109, RWF	° #610770	
$\begin{array}{ccc} \textbf{Lithology} & \underline{6250} \\ \textbf{Gases} & \underline{\text{CO}_2} & \vdots \\ \end{array}$	-6336: 100% si 350 ppm, C ₁ 1-1	5 ppm	1	new		
Mudlogger Mongo	er Engi 2 hrs drlg, l	neer/ Orilling Foreman hr survey, 1 hr o 1 hr circulate @	<u>Mara</u> drlg, 5 hrs PO	H, 2 hrs thaw water IH, 1/2 hr ream 60	r lines, 2 hrs	ymonaz chj out bottom hole hr drlg, 4 hrs rig repair
Well History Conductor Surface Intermediate Liner Liner Other Cement Report	Hole Size 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	0 to 0 to to to	17'	Budgeted	OE / 20E

DAILY	DRILLIN	IG REPOR'

88-1	ITA			D A : 1// 10 /19
cation SE		SEC 11 1 .	1S • 35E	Date: 12/ 16 /84 Spud Date 11/10/84
unty, State	Famous Ida N		ctor Steam Reserve Corpor	ration Rig No. Willbros #10
•			6595 Footage cut last 24 h	
				on Hud Loss last 24 hrs.
9.5	42	Makaalaaa 8	3.0	Mud Cook look 24 book 1,485;45,192 TTL
12 1/	4 U Douistion S	6311: 16 ⁰ N3	E; 6373: 16 1/4 ⁰ N1E; 6528:	16 1/2 North
16, r	erun	ourveys		
abilizers, Reamer		s before		
ocksubs and other		······································		
6639-	-6390: 80~100%	siltst, 0-20% san	dst; 6390-6450: 30-90% san	dst; 10-70% siltst; 6450-6540: 100% phyllitic s
6540-	-6570: 70-100%	dolomitic limesto	one, 0-30% phyllitic siltst	; 6570-6603: 90-100% phyllitic quartz/siltst,
ises 0-10%	s dolomitic lin GASES: CO	nest. O ₂ 350 ppm, C ₁ 3-	-15 ppm	
ee Cinculation _ (Other Willer	2 000 FF		
				Daymona
Monge	r .		_ Mara	Geologist <u>Deymonaz</u> 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist <u>Deymonaz</u> 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist <u>Deymonaz</u> 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist <u>Deymonaz</u> 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist <u>Deymonaz</u> 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist Deymonaz 2 hr survey, 6 1/2 hrs drlg
Monge	r .		_ Mara	Geologist Deymonaz 2 hr survey, 6 1/2 hrs drlg
idlogger Monge	1/2 hr survey Hole Size	neer/ Drilling Foreman , 5.5 hrs dr1g, 1 Casing Size	Mara hr survey, 10 hrs dr1g, 1/	Geologist Deymonaz 2 hr survey, 6 1/2 hrs drlg EXPENDITURES
odloggerMonge	Hole Size	Casing Size	n Mara hr survey, 10 hrs drlg, 1/ Interval O to 17'	2 hr survey, 6 1/2 hrs drlg
udlogger Monge DDITIONAL REPORT L ell History	Hole Size 36" 26"	Casing Size 30"	Interval 0 to 288'	EXPENDITURES Budgeted Forward
ell History	Hole Size	Casing Size	n Mara hr survey, 10 hrs drlg, 1/ Interval O to 17'	EXPENDITURES Budgeted Forward Daily Cost 17,588
ell History onductor urface	Hole Size 36" 26"	Casing Size 30"	Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted Forward Daily Cost 17,588
ell History onductor urface iner	Hole Size 36" 26"	Casing Size 30"	Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted Forward
Monge	Hole Size 36" 26"	Casing Size 30"	Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted Forward Daily Cost 17,588
ell History onductor urface intermediate	Hole Size 36" 26"	Casing Size 30"	Interval 0 to 17' 0 to 288'	EXPENDITURES Budgeted Forward Daily Cost 17,588

DAILY	DRILLING	REPORT
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	DAILY DRILLING REPORT	Report No. 38
Mell No88-11A		Date: 12/ 17 /84
Location SE of SE SEC 11	T_1SR35E	Spud Date
County, StateEsmeralda, NV	Contractor Steam Reserve Corporation	Rig No. <u>Willbros #10</u>
	to6800 Footage cut last 24 hours	
	170	Mud Loss last 24 hrs
Mud Majaha 9.4 Nia 41 Ma	7.8 - pu 10.5	Mud Cost last 24 hrs: \$1,784;46,976TTL
Hole Size 12 1/4 " Deviation Surveys 662	2: 16 ⁰ 30'N07 ⁰ W; 6797: 16 ⁰ 30'N10 ⁰ W	
Bit #same		
Stabilizers, ReamersSame		
Shocksubs and other		
	% limestone; 6740-6795: 100%qtzite siltst	
Gases CO ₂ avg 350 ppm; C ₁ 5-55 ppm		
Loss Circulation - Other		
Mudlogger Monger Engineer/ Drill	ing Egreman Ken Kelso	Geologist Deymonaz
ADDITIONAL REPORT 4 hrs drlg, 1 hr surv	ey, 12 hrs drīg, 2hrs drīg, 1/2 hr survey	
Well History Hole Size Casing	Size Interval	EXPENDITURES
Conductor 36" 30"	0 to 17'	Budgeted
26" 20"	0 to 288'	•
17 1/2" 12	3/R" 0 to 1055	Forward
inter wediate	to	Daily Cost912,928
Liner	to	TOTAL TO DATE
Liner	to	
Other	to	
Cement Report		

Date: 12/18 /84
35E Spud Date 11/10/84 Reserve Corporation Rig No. Willbros #10
Reserve Corporation Rig No. 41115ros #10 age cut last 24 hours 94' Mud Cooler On/Off Off-Wtr lineMud Luss last 24 hrs. 10.0 Mud Cost last 24 hrs: 478:47.454 TTL Geologist Deymonaz Ottoms up, 4 hrs trip out with bit #16
EXPENDITURES 17' Budgeted 288' Forward 1055 Daily Cost 10,629 TOTAL TO DATE 923,557

DAILY	DRILLING	REPOR

Report No. 40

Well No.	-11A			Date: 12/ 19 /84
		SEC	1S R 35E	Spud Date
County, State	Esmeralda, N	V Contrac	ctor <u>Steam Reserve Corpor</u>	
Present Depth	7112 Drilled	6894 to 71	12 Footage cut last 24 ho	ours218'
Mud / Airmud	Temperature	in 168 °F Out	191 °F. Mud Cooler On/Off	off-lack of Mud Luss last 24 hrs
			7.4 cc PH 11.0	Mud Cost last 24 hrs <u>\$1.087;48.462 TTL</u>
			OW; 7087: 13 ⁰ 15'N22W	
		2, new in @ 6894	. •	
	ers <u>reamer rerun</u>			
	er same as befo			
Gases CO2	350 ppm; C ₁ 20-	120 ppm		
Mudlogger <u>Mon</u>		neer/ Drilling Foreman	Kelso	Geologist <u>Neymonaz</u>
Mudlogger <u>Mon</u> ADDITIONAL REPORT	ger Engi 1 hr BHA, 1 h	neer/ Drilling Foreman or RIH with drl co	Kelso llars, 1 hr slip and cut di	Geologist <u>Neymonaz</u> rlg line, 1/2 hr RIH, 1/2 hr circulate, ey, 5 hrs drlg
Mudlogger <u>Mon</u> ADDITIONAL REPORT	ger Engi 1 hr BHA, 1 h	neer/ Drilling Foreman or RIH with drl co	Kelso llars, 1 hr slip and cut di	rlg line, 1/2 hr RIH, 1/2 hr circulate,
MudloggerMon ADDITIONAL REPORT I hr RIH	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36"	r RIH with dr1 co ream from 6835-69 Casing Size	Melso 11ars, 1 hr slip and cut di 894, 9 hrs drlg, 1 hr surve	rlg line, 1/2 hr RIH, 1/2 hr circulate,
Mudlogger Mon ADDITIONAL REPORT 1 hr RIH Well History Conductor	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36" 26"	reer/ Drilling Foremann RIH with drl color ream from 6835-69 Casing Size 30" 20"	Interval O to 1789 179 179 1894, 9 hrs drlg, 1 hr surve	EXPENDITURES Budgeted Forward
MudloggerMon ADDITIONAL REPORT 1 hr RIH Mell History Conductor Surface	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36"	r RIH with dr1 co ream from 6835-69 Casing Size	Mars, 1 hr slip and cut di 894, 9 hrs drlg, 1 hr surve	EXPENDITURES Budgeted Forward Daily Cost 19,485
MudloggerMon ADDITIONAL REPORT	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36" 26"	reer/ Drilling Foremann RIH with drl color ream from 6835-69 Casing Size 30" 20"	Interval O to 1789 179 179 1894, 9 hrs drlg, 1 hr surve	EXPENDITURES Budgeted Forward Daily Cost 19,485
MudloggerMon ADDITIONAL REPORT	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36" 26"	reer/ Drilling Foremann RIH with drl color ream from 6835-69 Casing Size 30" 20"	Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted Forward
Mudlogger <u>Mon</u> ADDITIONAL REPORT 1 hr RIH	ger Engi 1 hr BHA, 1 h , 4 hrs wash and Hole Size 36" 26"	reer/ Drilling Foremann RIH with drl color ream from 6835-69 Casing Size 30" 20"	Interval 0 to 17' 0 to 288' 0 to 1055	EXPENDITURES Budgeted Forward Daily Cost 19,485

DR TIV	DOTEL THE	DEDAM:
DATE	DRILLING	REPUR

Report No. 41

County, State	of SE	sec 11 t	1S - 35F	Date: 12/20 /84
-		· VLU 	R	Spud Date
Present Denth73	Esmeralda, N	IV Contra	actor <u>Steam Reserve Corpor</u>	ation Rig No. Willbros #10
reserve bepen au	361Drilled		7361 Footage cut last 24 ho	ours <u>249</u>
ud / Airmud	Temperature	in	t 182 °F. Mud Cooler On/Off	Off Mud Loss last 24 hrs
ud Weight <u>9.5</u>	vis37	Waterloss	7.2 cc. PH _10.5	Mud Cost last 24 hrs:214;48,755 TT
ole Size	Deviation S	urveys <u>7179: 12⁰1</u>	15'N23W; 7272: 11 ⁰ 45'N26W; 7	334: 10 ⁰ 45'N31W
it #	same as b	efore		
tabilizers, Reamer				
hocksubs and other				
ithology <u>7112-7</u>	7220: 100% phy		st: 7220-7364: 40% limest.	60% phyll.
ases CO ₂ 350-1	300 ppm; C ₇ 60	-444 ppm		
oss Circulation -	Other			
udlogger Mong	erEngi	neer/ Drilling Forema	Kelso Kelso	Geologist <u>Deymonaz</u>
		_	1 hr survey, 4 1/2 hrs drlq	
DDITIONAL REPORT .	l hr survey,	4 1/2 hrs drlg,		, 1 hr survey, 3 hrs drlg, 1 hr survey,
DOITIONAL REPORT . 5 hrs circ	I hr survey, culate, wait on	4 1/2 hrs drlg, water, thaw out		
DOITIONAL REPORT . 5 hrs circ	l hr survey,	4 1/2 hrs drlg, water, thaw out		, 1 hr survey, 3 hrs drlg, 1 hr survey,
DOITIONAL REPORT . 5 hrs circ	I hr survey, culate, wait on	4 1/2 hrs drlg, water, thaw out		, 1 hr survey, 3 hrs drlg, 1 hr survey,
DOITIONAL REPORT. 5 hrs circ	I hr survey, culate, wait on	4 1/2 hrs drlg, water, thaw out		, 1 hr survey, 3 hrs drlg, 1 hr survey,
DOITIONAL REPORT. 5 hrs circ	I hr survey, culate, wait on	4 1/2 hrs drlg, water, thaw out		, 1 hr survey, 3 hrs drlg, 1 hr survey,
5 hrs circ 3 hrs POH	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size		, 1 hr survey, 3 hrs drlg, 1 hr survey,
5 hrs circ 3 hrs POH	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30"	Interval O to 17'	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank,
5 hrs circ 3 hrs POH a hrs POH bell History	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30" 20"	Interval O to 17' O to 288'	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank, EXPENDITURES Budgeted Forward
5 hrs circ 3 hrs POH ell History	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30"	Interval O to 17'	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank, EXPENDITURES Budgeted forward Daily Cost 13,468
5 hrs circ 3 hrs POH ell History anductor urface htermediate	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30" 20"	Interval O to 17' O to 288'	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank, EXPENDITURES Budgeted forward Daily Cost 13,468
5 hrs circ 3 hrs POH ell History onductor urface ntermediate iner	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30" 20"	Interval 0 to 17' 0 to 288' 0 to 1055	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank, EXPENDITURES Budgeted Forward
DOITIONAL REPORT . 5 hrs circ	I hr survey, culate, wait on with bit #16 fo	4 1/2 hrs drlg, water, thaw out or BHA change. Casing Size 30" 20"	Interval 0 to 17' 0 to 288' 0 to 1055 to to	, 1 hr survey, 3 hrs drlg, 1 hr survey, from water truck to rig storage tank, EXPENDITURES Budgeted forward Daily Cost 13,468

			DAILY DRIL	LING REPORT		Report No. 42
Well No.	88-11A					Date:12/21/84
	SE of SE	. SEC T	15 R	35E		Spud Date11/10/84
					tion	Rig No. Wilbros #10
	7625 Drilled					
Mud / Air	mud Temperature	in160 ° _E . Out	185 °	E. Mud Cooler On/Off	off M	lud Loss last 24 hrs
Mud Weight	9.5 Vis. 4	0 Waterloss	7.2 cc	рн	Μ	ud Loss last 24 hrs 0. \$598, \$49,353 tot
	12 ¹ / ₄ " Deviation					
Bit #	16 - same, cut 7	'21 feet in 42½ hou	ırs			
Stabilizers, R	eamers 3. reamer #	14869, L.C.+M.C.+	20.C.+RWP	, rerun #610720+1).C.+stabiliz	er rerun #80109+3D.C.+
Shocksubs and	other <u>stabilizer</u>	+ rerun #80111 + 9	D.C. + Xo	ver and drillpipe		
Lithology	<u>7361 - 7450: 75</u>	% limest, 25% phy	llitic sil	tst; 7450 - 7625	: 90% quartz	siltst, 10% limest.
Gases	H ₂ S O ppm, CO ₂ 4	50 - 1000 ppm, C ₁	40-160 ppr	m		
Loss Circulati	on - Other 7500-7575	loss 150 bbl, 762	20 gained	150 bbl		
Mudlogger	Monger Eng	ineer/ Drilling Foreman	Kels	0	Geologi	st <u>Deymonaz</u>
						om 7305-7361, 5½ hours drilling,
	1 hour survey, 3	hours drilling, 6	hours dr	illing, l hour su	~vey.	
		·	· -	· · · · · · · · · · · · · · · · · · ·		
			····			
.				······································	,	
Well History	Hole Size	Casing Size	I	nterval		EXPENDITURES
Conductor	36"	30"	00	to 17'	Budget	ed
Surface	26"	20"	0	to 288'	Forwar	d
Intermediate	17½"	13 3/8"	00	to 1055	Daily	Cost 36,602
Liner	******************************	ham	·.—.—.	. to	TOTAL	TO DATE1,000,075
Liner				- to		
Other	•			, to		
Cement Report	<u>l load of water</u>	ha <mark>uled today by t</mark> r	uck.			

DAILY DRILLING RE	ΞP	OR 1
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Report No. 43

Date: 12/ 22 /84 88-11A Well No. Spud Date 11/10/84 35E location -Rig No. Willbros #10 Contractor Steam Reserve Corporation Esmeralda, NV County, State Present Depth 7653 Drilled 7625 to 7653 Footage cut last 24 hours mud Temperature in 170 °F. Out 201 °F. Mud Cooler On/Off off Mud Loss last 24 hrs. 7 Mud Weight 9.5 Vis. 40 Materloss 7.2 cc. PH 10.0Mud Cost last 24 hrs: \$1.603. \$50.956 tt Hole Size $12\frac{1}{4}$ " Deviation Surveys 7628: $15^{\circ}30$ 'N45W Bit # 16, 749 ft in 43 hrs; #17 HTC J33 #WW566, 0 ft in 0 hrs. Stabilizers. Reasers 3. reamer new #20843, LC+ new stabalizer #80073+MC+RWP new #610806+1 DC+stabalizer used #80105+s/sub Shocksubs and other 2DC + stablizer(used) #80111 + 11DC + Xover + drillpipe Lithology _ 7625 - 7653: 90% Quartz siltst, 10% limest Gases H₂S 0 ppm, C₂ 450-1000 ppm, C₁ 40-160 ppm Mudlogger Monger Engineer/ Drilling Foreman Kelso ADDITIONAL REPORT 1 hr drilling to 7653, 1½ hr survey, 1½ hr circulate b.u., 5 hrs poh with #16 bit, 1 hr change bha, l hr rih with #17, l hr circulate at 2813, ½ hr rih, l hr circulate at 5842', ½ hr rih, ½ hr lay down l single, w/r at 7580 stuck pipe on connection. 9½ hr working stuck pipe, mix and spot jel and diesel pill consisting of 60bbl, 30 gal DMS 150 pounds WL,100, 18 SKS sacks of jel, 10bbl oil, spot 40 bbl outside drill collars with 20 bbl inside drill collars, move ½ bbl volume every ½ hour. Well History Hole Size Casing Size Interval EXPENDITURES 36" 0 to 17' 30" Budgeted _____ Conductor Surface Forward ___ 17 1/2" 13 3/8" Daily Cost _____26.800 Intermediate TOTAL TO DATE __ 1.011.075 Liner Liner Other 2 loads of water hauled by truck today. Cement Report _

Well No. 88-	-11A		DAILY DRILLING REPORT	Report No44 Date: 12/23 /84
tocation SE County, State Present Depth Mud / Air Mud Hud Weight 9.2 Hole Size 12½ Bit # 17 same	of SE Esmeralda, N 7653 Drilled Temperature Vis. 3 Deviation S as before, 0 fo	0 to	Steam Reserve Corporat O Footage cut last 24 hours	Spud Date 11/10/84 ion Rig No. Millbros #10 s on/off Mud Luss last 24 hrs0 Mud Cost last 24 hrs0.
ADDITIONAL REPORT	same same same other none ger Engi	neer/ Drilling Foreman g stuck pipe from	Kelso 7580 - 7610, rig and run dia off drill collars at 7584.	Geologist <u>Deymonaz</u> loq freepoint at 7584 4 hrs、1岁 hrs work
Well History Conductor Surface Intermediate Liner	Hole Size 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055 to to	EXPENDITURES Budgeted Forward Daily Cost14,270 TOTAL TO DATE1,025,345

Cement Report ____no water hauled today.

7	
Well No88-11A	DAILY DRILLING REPORT Report No
Location SE of County, State ES	SE SEC 11 T 1S R 35E Spud Date 11/10/84 meralda, NV Contractor Steam Reserve Corporation Rig No. Willbros #10
Mud / Air <u>mud</u> Mud Weight <u>9.3</u>	
Stabilizers, Reamers	same
- •	same same
Mudlogger Monger	none Engineer/ Drilling Foreman Kelso Geologist Deymonaz hrs_unload 9 5/8 casing and strap same, 2 hrs_ha, pu_jars_bumper_sub, 5DC rih_stop_at 1648, ½ hr

Mudlogger Monger _____ Engineer/ Drilling Foreman ____ Kelso ADDITIONAL REPORT 4½ hrs unload 9 5/8 casing and strap same, 2 hrs ha, pu jars bumper sub, <u>work pipe hole bridged over. $1lac{1}{2}$ hrs poh with jar setup, $1lac{1}{2}$ hrs unload casing and strap same, 1 hr puckup bit and 5 drill</u> <u>collars, short trip in at 1648 w/r bridge, 1½ hrs poh, ½ hr make up drilling assembly bha, 2½ hrs pickuo jarring setup</u> plus 5 drill collars rih at 2850,复hr circulating and cool,l hr rih,l复hrs circulating and cool,复hr rih,复hrs screw into fish and jar loose at 6AM

Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	36"	30"	0 to17'	Budgeted
Surface	26"	20"	0 to 288'	Forward
Intermediate	17 1/2"	13 3/8"	0 to 1055	Daily Cost
Liner	• · · · · · · · · · · · · · · · · · · ·			TOTAL TO DATE
Liner		•	to	

no water hauled today. Unload 8 loads 9 5/8 casing total 214 joints, total footage 8,539.98 (threads off) Cement Report .___

DA	IL	Y	DR	ILI	LIN	IG	REF	OR

Well No. 88-11A		Date: 12/25 /84
Location SE of SE SEC 11	1 1S R 35E	Spud Date
County, StateEsmeralda, NV	Contractor Steam Reserve Corporation	Rig No. Villbros #10
Present Depth 7653 Drilled 0	to Footage cut last 24 hours	0
Mud / Air mud Temperature in 158	OE. Out170 OE. Mud Cooler On/Off Off	Mud Luss last 24 hrs 100 bb1
Mud Weight <u>9.2</u> Vis. <u>38</u> Wat	erloss 7.2 cc. PH 10.0	Mud Cost last 24 hrs: \$51,273 total
Hole Size 12½ " Deviation Surveys nor	ne	
8it # _ 17, J33 #WW566, O footage in O ho	ours	
Stabilizers, Reamers <u>same</u>		
Shocksubs and otherlay down s/sub		
Lithologysame		
Gasessame		
ADDITIONAL REPORT 1 hr jar out 2 singles, all fishing tools make up boa, $1\frac{1}{2}$ hrs r	Melso Thr poh, 2 hrs rigdown dialog co. & tool Tih to 3336 ft., 1 hr circulate and cool ho Thrs w/r from 7560-7653. (on bottom at	s, $2\frac{1}{2}$ hrs poh, $2\frac{1}{2}$ hrs lay down le, $1\frac{1}{2}$ hr run in hole to 7400 circulate
Well History Hole Size Casing S	ize Interval	EXPENDITURES
Conductor 36" 30"	0 to 17'	Budgeted
Surface 26" 20"		Forward
Intermediate 17 1/2" 13 3	0 to 1055	Daily Cost
Liner	to	TOTAL TO DATE 1,051,670
tiner	to	· .
Other	to	
Cement Report		

Report No.______

Well No.)~ / I / N			Date: 12/20 /84
	ofSE	. SEC T	1S R 35E	Spud Date
County, State	Esmeralda, I	VV Contrac	tor Steam Reserve Corporatio	
Present Depth	7719 Orilled	7653 to 77	Footage cut last 24 hours	66 feet
Mud / Airmud	Temperature	in155	184 of Mud Cooler On/Off	off Nud Luss last 24 hrs 200 bbl
Mud Weight 9.2	vis35	Naterloss	7.2 cc PH 10.0	Mud Cost last 24 hrs: \$2,038; \$54,151tt
Hale Size12½	Deviation S	none none		
Bit # 17 same				
Stabilizers, Ream	ers same			
Shocksubs and oth	same			
Lithology <u>90</u> -	75% phyllitic qu	artzitic siltst.,	10-25% limest.	
Gases H ₂ S O ppi	m, CO ₂ 900-1450	ppm, C ₁ 350 ppm		
Loss Circulation	- Other200	bbl while drilling		
			Kelso	Geologist <u>Deymonaz</u>
ADDITIONAL REPORT	_ 3 hrs drillin	ng. 1 hr circulatin	g, 6 hrs pipe torqued and back	sed off at 614', poh with same, pin split
				nr replace fill up line, 2½ hrs poh stand
all drill col	lars back. 3½ hr	rs rih with drill p	oipe laydown 14 joints bent pir	pe, 7hrs rih with remainder drill pipe,
				at location, 1500 feet coming on truck)
Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	36"	30"	0 to17'	Budgeted
Surface	26"	20"	0 to 288'	forward
Intermediate	17 1/2"	13 3/8"	0 to 1055	Daily Cost \$12,300
Liner			to	TOTAL TO DATE \$1,063,970
Liner			to	
Other			to	
Cement Report	2 4% (\$1.7)			
a a maria mapping the				
		<u> </u>		

Clear

Report No .-

DAILY DRILLING REPORT

88-11A Date: 12/ 27 /84 Well No . __ Spud Date 11/10/84 of SE SEC 11 1 1S R Location ___ Esmeralda, NV Contractor Steam Reserve Corporation Rig No. Millbros #10 Present Depth 7719 Drilled 0 to 7719 Footage cut last 24 hours 0 mud Temperature in 0 or Out 0 or Mud Cooler On/Off Off Mud Luss last 24 hrs Mud Cost last 24 hrs \$54,151 9.0 Vis. 38 Naterloss 7.2 CC PH 10.0Hole Size 12-1/4 " Deviation Surveys none 17 J 33 WW 566 (same) Stabilizers, Reamers _____same Shocksubs and other ______ same Lithology ______ 75 - 90% phyllatic quartz siltstone; 10-25% limestone $H_2S - 0$ ppm; $CO_2 - 900-1450$ ppm; $C_1 - 350$ ppm Loss Circulation - Other ______none Mudlogger Monger Engineer/ Drilling Foreman Kelso Geologist Deymonaz ADDITIONAL REPORT 1 hr. - Jay down bent drill pipe; 3 hrs. rih; sort out, Jay down bent drill pipe; 2 hrs. - unload bulk mud from truck, load 52 joints bent drill pipe on same; 3 hrs. - sort out and lay down bent drill pipe, 11 joints; 2 hrs. rih, sort out and lay down remainder bent drill pipe, 7 joints; total 70 joints loaded out to Spinner Straightening, Inc., Santa Paula, CA. Inspection - 6 hrs. rih with 8" drill collars, lay down 2 bad drill collars; 7 hrs. rih and inspect remainder of 8" drill collars + Kelly + subs and all stabilizers complete. Weight indicator calibrated and certified by Martin Decker Co. this day. Well History Hole Size **EXPENDITURES** Casing Size Interval Budgeted _____ 36" Conductor 26" 20" 288 Surface 17 1/2" 13 3/8" Daily Cost ____\$13,398. Intermediate TOTAL TO DATE \$1,077,368. Liner Liner Other Quality Transportation Co. \$1898, water hauling, 16 loads. Cement Report _ Drill collar inspection \$800. One accident (C. L. Skinner) Wilbros employee, left foot bruised badly; taken by ambulance to Bishop hospital, released same day.

Location SE	-11A efSE Esmeralda, N	SEC	OAILY DRILLING REPOR	⇒	Report No. 49 Date: 12/ 28 /84 Spud Date 11/10/84 Rig No. Willbros #10
Present Depth	719 Drilled Temperature Vis. 34 /4 " Deviation S		7719 Footage cut 1	er On/Off	Mud Loss last 24 hrs
Stabilizers, Reame Shocksubs and othe Lithology Gases Loss Circulation -	er same				
ADDITIONAL REPORT	14 hrs c	lean all pits. co	ndition mud, 3 hrs	pick up new drl pi	pe 24 joint measure and stand back pipe - 65 joints
Well History Conductor Surface Intermediate Liner	Hole Size 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 0 to 1055 to to 1055	For Dai	EXPENDITURES Igeted

Cement Report _

DAILY	DRILLING	REPOR1

Well No. 88-11		 -		Date: 12/ 29 /84
Location SE County, State		- SEC -11 - 1 -	1S A 35E	Spud Date 11/10/84 ation Rig No. Willbros #10
=				ours151
Mud / Airmud	Temperature	in 160 . But	183 OF Mud Cooler On/Off	off Mud Loss last 24 hrs +/- 50 bbls
Mud Weight 8.8	Vis3	4 Waterloss	12.9 cc PH 11	Mud Cost last 24 hrs: 2.418:58.775 TTL
Hole Size 12 1/4	Deviation :	Surveys <u>7789: 15⁰45</u>	5 'N50W	
6it / _ 18, Smith	F3L_#CZ1084			
Stabilizers, Reamers	3. reamer M drl pipe.	lonel collar RWP, I	drl collar, stabil., 2 drl	[collars, stabil,] drl collars, crossover
Shocksubs and other				
Lithology <u>90-100%</u>	_phyllite; 0-	10% limest.	<u> </u>	
Gases		<u></u>		
ADDITIONAL REPORT	3 hrs pickup	drl pipe, 6.5 hrs	RIH, 3 hrs circ @ 2800 & 55	Geologist Reymonaz
Well History	Hole Size 36"	Casing Size 30"	Interval	EXPENDITURES
Conductor	26"	20"	0 to 17'	Budgeted
Surface .	17 1/2"	13 3/8"	0 to 288'	Forward
				Daily Cost 19.871
Intermediate			to	TOTAL TO DATE 1.1/3 4/3
Liner .		•		TOTAL TO DATE 1,123,483
Liner .		**************************************	to	TOTAL TO DATE TYPES, TOS
Liner .	- / 8% 7		to	TOTAL TO DATE

DATLY	DRILL	ING	REPO	IR

Well No. 88-11A				Date: 12/30 /84
Location SE	of <u>SE</u> sec <u>11</u> Esmeralda, NV		eam Reserve Corpora	Spud Date 11/10/84 tion Rig No. Willbros #10
Mud / Air <u>Mud</u> Mud Weight <u>9.0</u> Hole Size <u>12 1/4</u>			□E_ Mud Cooler On/Off . → PH	
Stabilizers, Reamers — Shocksubs and other Lithology 100% phyl Gases	same same lite 800 ppm, C ₁ 18-50 ppm	n		
Mudlagger Monger		ing Foreman <u>Ke</u> 1	\$0	Geologist <u>Neymonaz</u>
Well History Conductor Surface Intermediate Liner Liner Other Cement Report	Hole Size Casing 30" 26" 20" 17 1/2" 13	0 0 3/8" 0	Interval to 17' 288' to 1055 to to	EXPENDITURES Budgeted Forward Daily Cost

DAILY D	RILLING	REPOR'
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Well No		Date: 172/ 31 /84
Location SE SE SEC	11 T 1S R 35E Contractor Steam Reserve Co	Spud Date 11/10/84 orporation Rig No. Willbros #10
Present Depth 8329 Drilled 8093	5 Out 189 OF Mud Cooler (24 hours 236 ' In/Off Mud Loss last 24 hrs 4079: 66,940 T
	<u>8315: 16 1/4⁰N55W</u>	
Shocksubs and other " Lithology 8095-8190: 100% phv]]. & s	iltst: 8190-8230: 95% phyll.	
2		
Loss Circulation - Other Engineer/ C	Orilling Foreman	Geologist <u>Neymonaz</u>
Loss Circulation - Other	Orilling Foreman	Geologist

DAILY	DRIL	LING	REPORT
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Well No88-	-11A	·		Date: 1 / 85
Location SE County, State	ef <u>SE</u> Esmeralda, f	VV Contra	1S R 35E ctor Steam Reserve Corporation	-
Nud / Air <u>mud</u> Nud Weight <u>9</u> .	Temperature Vis41	in <u>170</u> °E. Out		257 Mud Loss last 24 hrs
Bit / sam	e			
			· •	
Loss Circulation -	Other			Garlanist Deymonaz
Loss Circulation - Mudlogger <u>Mon</u> o	OtherEngi	ineer/ Drilling Forema	Day 20.5 hrs drlg, 1.5 hr survey	Geologist <u>Deymonaz</u>

Well No88-	-11A	<u> </u>		Date: , 1 /02 /85
Location SE	ofSE	SEC11	15 _R 35E	Spud Date
County, State	Esmeralda, N	V Contra	ctor <u>Steam Reserve Corpo</u>	· · · · · · · · · · · · · · · · · · ·
Present Depth	3589 Drilled	8589 to	8589 Footage cut last 24	
Mud / Airmud	Temperature	in <u> ^OE</u> Out	OF Mud Cooler On/Of	f <u>off</u> Mud Loss last 24 hrs 1200 bbls
Mud Weight	Yis:	Waterloss	EE PH	Mud Cost last 24 hrs \$1,066;77,008 TTL
Hole Size 12	1/4 m Deviation S	urveys		
8it #		 	, 177, 17, 17, 17, 17, 17, 17, 17, 17, 1	
Stabilizers, Ream	PF8			
Shocksubs and other	er			
Lithology	White calcite	 –		<u> </u>
Gases	· · · · · · · · · · · · · · · · · · ·	 		
		omplete return 089		
Mudlogger Mone	ger RELEASED Engi	neer/ Drilling Forewa	n Day	Geologist <u>Deymonaz</u>
ADDITIONAL REPORT	12 hr drilled	to 8589', lost co	ompl. return, 5.5 hrs POH	and lay down stabilization, 4 hrs RIH with
				d rig up HOWCO, 1.5 hrs HOWCO set 50 sacks
sand plug, 1/2	hr pull 7 stand	ds of drill pipe,	1 hr RIH to tag sand, no	plug, 1/2 hr HOWCO set 100 sacks sand plug @
8490', 1.5 hrs	POH, 7 stands a	and wait on stand	plug, 1/2 hr RIH & tag to	p of sand plug 08509, 3 hrs pkup Kelly & pump
slow, reastabl	ish circulation.	circulate slowly	<u></u>	
Well History	Hole Size	Casing Size	Interval	EXPENDITURES
Conductor	36"	30"	0 to 17'	Budgeted
Surface	26"	20"	0 to 288'	Forward
Intermediate	17 1/2"	13 3/8"	0 to 1055	Daily Cost 25,787
Liner		·	to	TOTAL TO DATE
Liner	**************************************	•	to	
Other		<u> </u>	to	
Cement Report	** ;			
<u> </u>				

Cement Report __

	DAILY DRILLING REPORT	Report No. 56
Well No. 88-11A		Date: , 1 / 4 /85
	1_1SR35E	Spud Date 11/10/84
	Contractor Steam Reserve Corporation	
	depth Footage cut last 24 hours	0
•	OF OutOF Mud Cooler On/Off	
NVO Weight	sterloss 11.0 cr PH 11.2	
Hole Size M Deviation Surveys		
Bit #		
Stabilizers, Reamers		
Shocksubs and other		
Lithology		
Gases	•	
Loss Circulation - Other		
		Devmonaz
tigtice, bill	ling Foreman Day Id in hole, WOC, 3 hrs POH for logs, 2 hrs	nig un Schlumborgen O has legging
ADDITIONAL REPORT TO HTS CITE & COND MU	d in note; not; 5 m 3 for for 10g3; 2 m 3	rig up schrumberder, 3 Hrs loddlid
(
Well History Hole Size Casing	Size Interval	EXPENDITURES
36" 30"		Budgeted
26" 20"		
17 1/2" 13	to	Forward 12 200
Intermediate	3/8" 0 to 1055	Daily Cost 13,200
Liner	to	TOTAL TO DATE 1,213,018
liner	to	
Other	to	
Cement Report		

ell No88-1		UA	ILY DRILLING K ORT	Report No.57
				Date: . 1 / 5/85
ocation <u>SE</u>	Esmeralda, N	V Contracto	Steam Reserve Corporation	Spud Date 11/10/84 Rig No. 4111bros #10
ad / 8.9 ale Size 12 1/	Vis. 38 Vis. Deviation So 19, rerun	Waterloss 1	PH	Mud Loss last 24 hrs; 81,378 TTE
ocksubs and other thology				
dlogger Monge	er Engin	neer/ Drilling Foreman . berger logging; 1.5	hrs RIH, 1/2 hr circ, 1 hr RI	Geologist <u>Neymonaz</u> H. 2.5 hrs break circ & work on SCR,
1.5 hrs RIH,	1/2 hr brk cir	cl & wash to bottom	1' of fill, 1.5 hrs circ	
1.5 hrs RIH,	1/2 hr brk cir Hole Size 36"	cl & wash to bottom Casing Size 30"	Interval O to 17'	EXPENDITURES Budgeted
1.5 hrs RIH,	1/2 hr brk cir	cl & wash to bottom	l' of fill, 1.5 hrs circ	EXPENDETURES

No88-				
		sec		Spud Date
ity, State	Esmeralda, N	V Contrac	tor <u>Steam Peserve Corporation</u>	on Rig No. Willbros #10
ent Depth ^{Same}	as 1/5 Drilled	to	Footage cut last 24 hours	0'
				Mud Luss last 24 hrs
Weight <u>8.9</u>	vis. 40) Naterloss	1 PM11_2	Mud Cost last 24 hrs:
Size 12	1/4 Deviation S	urveys		-A
		collar & 5-8" drl		
ilizers, Remo	PT			·
ksubs and othe	:r <u></u>			
ology				
•				
-				
Circulation -	Other			
		4		Downsz
ogger <u>Mon</u> c	ger Engi	neer/ Drilling Forewan	Day	Geologist <u>Neymonaz</u> 15 hrs logging, 1 hr rig down Schlumb
ogger <u>Mon</u> c	ger Engi	neer/ Drilling Forewan	Day	Geologist <u>Neymonaz</u> 15 hrs logging, I hr rig down Schlumb
ogger Mons	ger Engi 4 hrs circ &	neer/ Drilling Foreman cond mud, 3.5 hrs	Day POH, 1/2 hr rig up Schlumb. 1	Geologist <u>Neymonaz</u> 15 hrs logging, 1 hr rig down Schlumb
ogger Mons	ger Engi 4 hrs circ &	neer/ Drilling Foreman cond mud, 3.5 hrs	Day POH, 1/2 hr rig up Schlumb. I	15 hrs logging, 1 hr rig down Schlumb . EXPENDITURES
ogger Mons TIONAL REPORT History	4 hrs circ & Hole Size 36"	cond mud, 3.5 hrs Casing Size	Day POH, 1/2 hr rig up Schlumb. Interval O to 17'	15 hrs logging, 1 hr rig down Schlumb EXPENDITURES Budgeted
ogger Mons TIONAL REPORT History uctor	Mole Size 36" 26"	cond mud, 3.5 hrs Casing Size 30"	POH, 1/2 hr rig up Schlumb. I Interval O to 17' O to 288'	EXPENDITURES Budgeted Forward
ogger Mons TIONAL REPORT History uctor ace	4 hrs circ & Hole Size 36"	cond mud, 3.5 hrs Casing Size	Day POH, 1/2 hr rig up Schlumb. Interval O to 17'	EXPENDITURES Budgeted
TIONAL REPORT History uctor ace rmediate	Mole Size 36" 26"	cond mud, 3.5 hrs Casing Size 30"	POH, 1/2 hr rig up Schlumb. I Interval O to 17' O to 288'	EXPENDITURES Budgeted
History luctor ace rmediate	Mole Size 36" 26"	cond mud, 3.5 hrs Casing Size 30"	Day POH, 1/2 hr rig up Schlumb. Interval O to 17' O to 288' O to 1055 O to 1	EXPENDITURES Budgeted Forward
	Mole Size 36" 26"	cond mud, 3.5 hrs Casing Size 30"	Day POH, 1/2 hr rig up Schlumb. Interval O to 17' O to 288' O to 1055 O to 1	Forward

Well No				Date: , <u>1 / 07 /85</u>
Location SE	of SE	SEC		Spud Date
County, State	Esmeralda, N	V Contrac	tor Steam Reserve Corporati	on Rig No. <u>Villbros #10</u>
Present Depth <u>plu</u>	ig back 8387illed	8589 TD to	Footage cut last 24 hours	
Mud / Air	Temperature	inE Out	OF Mud Cooler On/Off	Mud Lors last 24 hrs300 bb1s over sha
Mud Weight <u>8.</u> 9) vis44	Waterloss	3 PH 11	1696;83074 TTL
tole Size 12 1/	4 " Deviation S	urveys		
it /	19 rerun			
Stabilizers, Ream	ers	 		· · · · · · · · · · · · · · · · · · ·
Shocksubs and oth	er			·
Lithology				
Gases		<u></u>	picture nipple, thick mud, bott	· · · · · · · · · · · · · · · · · · ·
	፲ 300 ኑ	obls over shaker p	picture nipple, thick mud, bott	oms ups
oss Circulation -	- Other			
Mudlogger <u>Mon</u>	ger Engin	neer/ Drilling Foreman air. WO SCR repair	man, 1 hr RIH with 10 stands,	Geologist <u>Neymonaz</u> 1/2 hr cut drlg line, 3 hrs circl,
Mudlogger <u>Mon</u>	ger Engin	neer/ Drilling Foreman air. WO SCR repair	man, 1 hr RIH with 10 stands,	Geologist <u>Deymonaz</u> 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & build volume,
Mudlogger Mon ADDITIONAL REPORT 1.5 hrs RI	ger Engi 2 hrs rig repa IH, 1 hr break ci	neer/ Drilling Foreman air, WO SCR repair irc1@ 5000', 1 hr	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs	Geologist <u>Neymonaz</u> 1/2 hr cut drlg line, 3 hrs circl,
Mudlogger Mon ADDITIONAL REPORT 1.5 hrs RI	ger Engi 2 hrs rig repa IH, 1 hr break ci	neer/ Drilling Foreman air. WO SCR repair	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs	Geologist <u>Neymonaz</u> 1/2 hr cut drlg line, 3 hrs circl,
Mudlogger Mon ADDITIONAL REPORT 1.5 hrs RI	ger Engi 2 hrs rig repa IH, 1 hr break ci	neer/ Drilling Foreman air, WO SCR repair irc1@ 5000', 1 hr	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs	Geologist <u>Neymonaz</u> 1/2 hr cut drlg line, 3 hrs circl,
Mudlogger Mon ADDITIONAL REPORT 1.5 hrs RI	ger Engi 2 hrs rig repa IH, 1 hr break ci	neer/ Drilling Foreman air, WO SCR repair irc1@ 5000', 1 hr	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs	Geologist <u>Neymonaz</u> 1/2 hr cut drlg line, 3 hrs circl,
AUDITIONAL REPORT 1.5 hrs RI 4 hrs POH	ger Engi 2 hrs rig repa IH, 1 hr break ci	neer/ Drilling Foreman air, WO SCR repair irc1@ 5000', 1 hr	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs	Geologist Neymonaz 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & Build Volume, EXPENDITURES
AUDITIONAL REPORT 1.5 hrs R1 4 hrs POH	ger Enging 2 hrs rig repaired the latest continuous series of	neer/ Drilling Foreman air, WO SCR repair ircl@ 5000', 1 hr rig up to lay down Casing Size 30"	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs drl collar Interval 0 to 17'	Geologist Neymonaz 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & Build Volume, EXPENDITURES
Audlogger Mon ADDITIONAL REPORT 1.5 hrs R1 4 hrs POH Mell History Conductor	ger Enging 2 hrs rig repaired. IH, 1 hr break cine with drl pipe, in the size 36" 26"	neer/ Drilling Foreman air, WO SCR repair ircl@ 5000', 1 hr rig up to lay down	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs drl collar	Geologist Neymonaz 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & Build Volume, EXPENDITURES
Audlogger Mon ADDITIONAL REPORT 1.5 hrs RI 4 hrs POH Mell History Conductor Surface	ger Enging 2 hrs rig repaired the latest continuous series of	neer/ Drilling Foreman air, WO SCR repair ircl@ 5000', 1 hr rig up to lay down Casing Size 30"	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs drl collar Interval 0 to 17'	Geologist Neymonaz 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & Build Volume, EXPENDITURES Budgeted
ADDITIONAL REPORT 1.5 hrs R1 4 hrs POH Mell History Conductor Surface Intermediate	ger Enging 2 hrs rig repaired. IH, 1 hr break cine with drl pipe, in the size 36" 26"	rig up to lay down Casing Size 30"	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs drl collar Interval 0 to 17' 0 to 288'	Geologist Neymonaz 1/2 hr cut drlg line, 3 hrs circl, circl & cond hole & build volume, EXPENDITURES Budgeted Forward
ADDITIONAL REPORT 1.5 hrs R1 4 hrs POH Mell History Conductor Surface Intermediate Liner	ger Enging 2 hrs rig repaired. IH, 1 hr break cine with drl pipe, in the size 36" 26"	rig up to lay down Casing Size 30"	Interval O O O O O O O O O O O O O	Geologist
Mudlogger Mon ADDITIONAL REPORT 1.5 hrs RI	ger Enging 2 hrs rig repaired. IH, 1 hr break cine with drl pipe, in the size 36" 26"	rig up to lay down Casing Size 30"	Day man, 1 hr RIH with 10 stands, RIH to bottom @ 8397, 10 hrs drl collar Interval 0 to 17' 0 to 288' 0 to 1055 to to	Geologist

 r t	H.A.	60	
 P T			

Well No. 88-11A			Date: , 1 /8 /85
Location SE of	SE SEC 11	1 1S R 35E	Spud Date11/10/84
		tractor Steam Reserve Corp	
	kDrilled 8589 TD to	Footage cut last 24	hours 01
Mud / Air Tem	perature in	OutOE Mud Cooler On/O	Iff Mud Loss last 24 hrs
Mud Weight 8.9 Vi	s. <u>35</u> Waterloss	13 cc PH 10.9	Mud Cost last 24 hrs 698; 83,772 TTL
			·
Stabilizers, Reamers			
Shocksubs and other			
Lithology		· · · · · · · · · · · · · · · · · · ·	
Gases			
Loss Circulation - Other		·	
Mudlogger Monger	Engineer/ Drilling For	esan Day	Geologist <u>Neymonaz</u>
			3" drl collar, 1.5 hrs make up & stand hack line
hangar, 1 hr rig	up casing tools, 3 hr	s run 9 5/8" 47# N80 buttres	ss casing, 1 hr break circl, 11.5 hrs running
9 5/8" casing, 1.	.5 hrs break circl & a	ttempt to wash dwn, could no	ot pass 8342, hang liner hanger @ 8342. 1 hr
		191 joints (7605.71), run 1	22 joints of 47# N80 buttress = 4834.23 & 69
joints of 47# K59	buttress = 2771.48		
Well History Hole	Size Casing Size	interval	EXPENDITURES
Conductor 36"	30"	0 to17'	Budgeted
Surface 26"		0 to 288'	Forward
Intermediate	1/2" 13 3/8"	0 to 1055	Daily Cost210,148
Liner 12	1/4 9 5/8	723 to 8342	TOTAL TO DATE
Liner	•	to	•
Other		to	_
	J'super seal float shoe	e & float collar + 6 central	izers, vapor locked lst 6 connections
· — - — — — — — — — — — — — — — — — — —			

		UAI	ILY DRILLING REPORT	Report No. 67
11 No88-11A				Date: . 1 /9 /85
cation SE	F SE SI	c 11 1S	R35E	Spud Date
ounty, State	Esmeralda, NV	Contracto	- Steam Reserve Corporation	Rig No. <u>4111bros #10</u>
esent Depth 8329	Drilled	3589 TD to	Footage cut last 24 hours	
d / Air	_ Temperature in	OE Out	OF Mud Cooler On/Off	Hud Loss last 24 hrs
d Weight 8.9	Vis38	Waterloss15	PH 10	Hud Cost last 24 hrs:700: 84.472
le Size 12 1/4	M. Deviation Sur	reys		
ocksubs and other 🗻				
thalogy				
361				
dlogger Monger	Engine	er/ Drilling Foreman	— Da y	- Geologist <u>Deymonaz</u>
dlogger <u>Monger</u> DITIONAL REPORT 1 h	Engine	er/ Drilling Foreman _ s circl for casing	Day 1, 4 hrs Halliburton cmtd 9 5/8	Geologist <u>Neymonaz</u> 3" casing, 1 hr release liner hanger & PO flush & elean BOPE, 7 hrs wait on cmt
dlogger Monger DITIONAL REPORT 1 h	Engine	er/ Drilling Foreman _ s circl for casing	Day 1, 4 hrs Halliburton cmtd 9 5/8	3" casing, I hr release liner hanger & PO
dlogger Monger DITIONAL REPORT 1 h	Engine	er/ Drilling Foreman _ s circl for casing	Day 1, 4 hrs Halliburton cmtd 9 5/8	3" casing, I hr release liner hanger & PO
dlogger Monger DOITIONAL REPORT 1 h 2 stands, circl o	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	er/ Drilling Foreman _ s circl for casing 2 hrs finish POH	Day 1, 4 hrs Halliburton cmtd 9 5/8 & lay down liner hanger, 1 hr Interval 0 to 17'	B" casing, 1 hr release liner hanger & PO flush & elean BOPE, 7 hrs wait on cmt
dlogger Monger DDITIONAL REPORT 1 h 2 stands, circl o	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	er/ Drilling Foreman _s circl for casing 2 hrs finish POH	Day 1, 4 hrs Halliburton cmtd 9 5/8 & lay down liner hanger, 1 hr Interval 0 to 17'	3" casing, 1 hr release liner hanger & POP flush & elean BOPE, 7 hrs wait on cmt EXPENDITURES
dlogger Monger DITIONAL REPORT 1 h 2 stands, circl o	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	er/ Drilling Forenan _s circl for casing 2 hrs finish POH	Day 1, 4 hrs Halliburton cmtd 9 5/8 & lay down liner hanger, 1 hr Interval 0 to 17'	3" casing, 1 hr release liner hanger & POFFIUSH & elean BOPE, 7 hrs wait on cmt EXPENDITURES Budgeted
Il History Inductor	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	cr/ Drilling Foreman _s circl for casing 2 hrs finish POH	Interval O to 288' O 1055	EXPENDITURES Budgeted Forward
Monger Monger DITIONAL REPORT 1 h 2 stands, circl o Il History nductor rface termediate	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	cr/ Drilling Foreman _s circl for casing 2 hrs finish POH	Interval O to 288' O 1055	EXPENDITURES Budgeted Forward Daily Cost 131,924
Monger Monger DITIONAL REPORT 1 h 2 stands, circl o Il History nductor rface termediate ner	Engine or circl, 8 hr out mud & cmt, Hole Size 36"	cr/ Drilling Foreman _s circl for casing 2 hrs finish POH	Interval O to 288' O 1055	EXPENDITURES Budgeted Forward Daily Cost 131,924

88-11A Date: , 1 / 10 /85 Well No. -of SE SEC 11 1 15 Location ___ County, State ____Esmeralda, NV Contractor Steam Reserve Corporation Rig No. Willbros #10 8329 _____ Drilled 8589 TD to ______ Footage cut last 24 hours _____ Present Depth _____83 Nud / Air _____ Temperature in _____OF Out _____OF Mud Cooler On/Off _____ Mud Luss last 24 hrs_____ Mud Cost last 24 hrs: 183; 83,955 TTL Aud Weight _____ Vis. ____ Waterloss ____ Cf. PH _____ Hole Size _____M Deviation Surveys _____ Stabilizers, Reamers Shocksubs and other Lithology _____ Loss Circulation - Other _____ Mudlogger Monger _____ Engineer/ Drilling Foreman _____ Day _____ Geologist <u>Neymonaz</u> ADDITIONAL REPORT 9 hrs WOC, 2 hrs RIH with rerun 12 1/4 hit & tag top of cmt @590', 1 hr drl cmt from 590-724 1 hr circl, 1/2 hr POH with 12 1/4 bit, 3.5 hrs set rotating head, test minor lap with 1000 psi ok. 3.5 hrs welded on_flow nipple, 3.5 hrs rig up flow & blooie lines Well History Hole Size Casing Size Interval **EXPENDITURES** 36" 30" 0 to 17' Budgeted _____ Conductor _ to _2881 26" 20" Surface Forward _____ 17 1/2" _ to _ 1055 Daily Cost _____13,019 13 3/A" Intermediate Liner Liner Other Cement Report ..

		ţ	DAILY DRILLING REPORT	я	eport No.
Well No88	-11A				Date:1 /11 /85
location SE	of SE	SEC	1S R 35E		Spud Date 11/10/84
County, State	Esmeralda, N	V Contrac	tor Steam Reserve Corporat		
Present Depth8	589 TD Drilled	to	Footage cut last 24 hours	1 	
Mud / Air	Temperature	in OE Out	OF Mud Cooler On/Off	Hud Loss las	t 26 hrs
Rud Weight	Yis	Waterloss	PH	Mud Cost las	t 24 hrs'
Dit /	1/2 security S4T	J #316875	·		
Shocksubs and oth	er		·		
Lithalogy		**************************************			
Gases	· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , 	·		
Loss Circulation	- Other		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		·
Hudlogger Mon	ger Engi	neer/ Drilling Foreman	Day-	Geologist Neym	onaz
ADDITIONAL REPORT	1 hr rig up r	otating head, 4 h	rs install bloode line 3 hrs	RIH with 8 1/2 bit.	2 hrs drl liner winer
plug, 4 hrs c	ont RIH, 6.5 hrs	drl cmt, float co	ollar & float shoe, 3.5 hrs d	rl cmt & sand nlug @	6 am
					Vanr
		· · · · · · · · · · · · · · · · · · ·			<u></u>
					
		 			
4.22.02		e ' e'		Funtance	
Well History	Hole Size 3 6 "	Casing Size 30"	Interval 0 to 17'	EXPENDIT	unes
Conductor	26"	20"	0 2001	_	
Surface	17 1/2"	13 3/8"	0 . 1055	Forward	10 0/11
Intermediate	•	*	to	Daily Cost	1.672.964
Liner			to	TOTAL TO DATE	. ,
Liner		•	to		
Other	* 		to		
Cement Report .	· we y				

Well No. 88	-11A	<u>.</u>	DAILY DRILLING REPORT	Report No. 64 Date: _ 1 /12 /85
LocationSE_ County, State	er SE Esmeralda, N	SEC 1	tor Steam Reserve Corporat	Spud Date
Mud / Air Mud Weight Hole Size	Temperature Vis N Deviation S	inOE Out Waterloss urveys	OF Mud Cooier On/Off	Mud Euss last 24 hrs. Mud Cost last 24 hrs.
Stabilizers, Reason Shocksubs and other Lithology	er			
Mudlogger Mont	qer Engi 1.5 hrs dr	neer/ Orilling Forewar I cmt & sand plug	to 8589, loss circl, 1/2 hrs	Geologist <u>Neymonaz</u> S-POH 6 stands, 1/2 hr sump water, D air, 3 hrs POH to 1021, 4 hrs unload well
with air, 1/2	hr POH to 559, 2035, 1/2 hr unī	1/2 hr blow well.	2.5 hrs RIH to 713, unload v	vell, install blind on rotating head,
Well History Conductor Surface Intermediate Liner Liner Other	Hole Size 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 288' 1055 to to	EXPENDITURES Budgeted Forward Daily Cost 13,016 TOTAL TO DATE 1,686,180
Cement Report	• 	**************************************		

88	-11A	Ď	AILY DRILLING REPORT	Report No. 65 Date: 1 / 13/85
Location SE County, State	•F SE Esmeralda, N		tor Steam Reserve Corporati	Spud Date 11/10/84 ion Rig No. Willbros #10
Mud / Air Mud Weight Hole Size	Temperature Vis Deviation S	inOE Out Waterloss	OF_ Mud Cooler On/OFF	
Stabilizers, Remo Shocksubs and oth Lithology Gases	er			
ADDITIONAL REPORT	2.5 hrs unload	i hole @2035, 4.5	it. 2 subs & drl nine & blow-	Devisionaz 2 hrs RIH to 3610 % unlod hole, 2 hrs POH & hole from 1510, 2.5 hrs RIH & unload hole
Well History Conductor Surface Intermediate	Hole Size 36" 26" 17 1/2"	Casing Size 30" 20" 13 3/8"	Interval 0 to 17' 0 to 2RR' 0 to 1055	EXPENDITURES Budgeted Forward Daily Cost 15,546

Cement Report .

11 No88-				Date: , 1 /14 /85
cation SE	sese	SEC	1S R 35E	Spud Date
unty, State	Esmeralda, N	IV Contrac	tor Steam Reserve Corporation	Rig No. 4111bros #10
esent Depth <u>85</u>	89 TD Drilled	to	Footage cut last 24 hours	
d / Air	Temperature	ino_ Out	OF. Mud Cooler On/Off	Mud Loss last 24 hrs.
d Weight	Vis	Waterloss	PH	Mud Cost last 24 hrs:
e Size	— P Deviation S	iurveys		
	·	,		
abilizer s, Ream e	rs			
ocksubs and othe	r	 		
thalogy				
ses	. 			
dlogger Mond Dillomal REPORT pipe to 684'	er Engi 2 hrs unloa , 3.5 hrs test v	ineer/ Drilling Foreman ad hole, I/2 hr PO well, 1 hr POH, ch	H. 4.5 hrs wireline temp survey, ange rubbers in float, RIH to 68	. 1/2 hr RIH with modified bit. sub &-
dlogger Mond Diffional REPORT pipe to 684'	er Engi 2 hrs unloa , 3.5 hrs test v	ineer/ Drilling Foreman ad hole, I/2 hr PO well, 1 hr POH, ch	H. 4.5 hrs wireline temp survey.	. 1/2 hr RIH with modified bit. sub %-
dlogger Mong Dillomal REPORT pipe to 684' RIH with 2 st	er Engi 2 hrs unlog , 3.5 hrs test w tands of drl pip Hole Size	ineer/ Orilling Foreman ad hole, 1/2 hr PO well, 1 hr POH, ch pe, 2.5 hrs unload Casing Size	Day H. 4.5 hrs wireline temp survey, ange rubbers in float, RIH to 68 hole, 4.5 hrs flow well	Geologist Deymonaz . 1/2 hr RIH with modified bit, sub & c 34', 1.5 hrs POH with 2 stands, lost fl
Mong Diffenal Report pipe to 684' RIH with 2 st	2 hrs unloa, 3.5 hrs test water tands of dr1 pip	ineer/ Drilling Foreman ad hole, I/2 hr PO well, 1 hr POH, ch pe, 2.5 hrs unload Casing Size 30"	Day H. 4.5 hrs wireline temp survey, ange rubbers in float, RIH to 68 hole, 4.5 hrs flow well Interval O to 17'	. 1/2 hr RIH with modified bit, sub & c B4', 1.5 hrs POH with 2 stands, lost fi EXPENDITURES Budgeted
dlogger Mond Diffonal REPORT pipe to 684' RIH with 2 st Il History ductor	er Engi 2 hrs unlog , 3.5 hrs test w tands of drl pip Hole Size	casing Size	Day H. 4.5 hrs wireline temp survey, ange rubbers in float, RIH to 68 hole, 4.5 hrs flow well Interval O to 17' O to 288'	. 1/2 hr RIH with modified bit, sub & c 34'. 1.5 hrs POH with 2 stands. lost f EXPENDITURES Budgeted Forward
Mong Dillional REPORT pipe to 684': RIH with 2 st Il History Inductor oface	2 hrs unloa, 3.5 hrs test watends of drl piper. Hole Size 36"	ineer/ Drilling Foreman ad hole, I/2 hr PO well, 1 hr POH, ch pe, 2.5 hrs unload Casing Size 30"	Interval O to 1055	EXPENDITURES Budgeted Forward Daily Cost
dlogger Mong DITIONAL REPORT pipe to 684' RIH with 2 st Il History Inductor Inface termediate mer	2 hrs unloa, 3.5 hrs test watends of drl piper. Hole Size 36"	casing Size	Day H. 4.5 hrs wireline temp survey, ange rubbers in float, RIH to 68 hole, 4.5 hrs flow well Interval O to 17' O to 288'	. 1/2 hr RIH with modified bit, sub & c 34'. 1.5 hrs POH with 2 stands. lost fi EXPENDITURES Budgeted Forward
dlogger Mond DITIONAL REPORT pipe to 684'	2 hrs unloa, 3.5 hrs test watends of drl piper. Hole Size 36"	casing Size	Interval O to 1055	EXPENDITURES Budgeted Forward Daily Cost

DAILY	DRILL	ING	REP	OR1
				_

ell No88-				Date: , 1 / 15/85
ocation SE		SEC 1 1	1S R 35E	Spud Date
unty, State 📖	Esmeralda, N	Contrac	tor Steam Reserve Corporation	n Rig No. <u>Millbros</u> #10
esent Depth <u>8</u>	589 TD Drilled	to	Footage cut last 24 hours .	
d / Air	Temperature	inOut	E Mud Cooler On/Off	Mud Luss last 24 hrs
d Weight	Vis	Waterloss	PH	Mud Cost last 24 hrs
le Size	Deviation S	urveys		<u> </u>
. /				
abilizers, Remo	!F\$			
ocksubs and other	er <u> </u>			
thalogy				
ies				
	O. L			
				Devmonaz
dloggerMon	gerEngi	neer/ Drilling Forewan	——— Da y —————	Geologist Neymonaz
dlogger <u>Mon</u> o	ger Engi 3 hrs RIH	neer/ Drilling Forewan to lay down drill	pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
dlogger <u>Mon</u> e	gerEngi	neer/ Drilling Forewan to lay down drill	——— Da y —————	chine, 8 hrs lav down drl pipe & drl
dlogger <u>Mon</u> e	ger Engi 3 hrs RIH	neer/ Drilling Forewan to lay down drill	pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
dlogger <u>Mon</u> e	ger Engi 3 hrs RIH	neer/ Drilling Forewan to lay down drill	pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
dlogger <u>Mon</u> e	ger Engi 3 hrs RIH	neer/ Drilling Forewan to lay down drill	pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
dlogger Mone Ditional REPORT collar, 12 h	ger Engi 3 hrs RIH rs nipple down B	neer/ Drilling Foreman to lay down drill BOPE	—— Da y pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
Monger Mongolficonal Report Collar, 12 h	ger Engi 3 hrs RIH rs nipple down B	neer/ Drilling Foreman to lay down drill BOPE Casing Size	Day pipe, 1 hr rig up, lay down ma	chine, 8 hrs lav down drl pipe & drl
dlogger Mone Diffional REPORT Collar, 12 h	ger Engi 3 hrs RIH rs nipple down E Mole Size 36"	neer/ Drilling Foreman to lay down drill BOPE Casing Size 30"	Day pipe, 1 hr rig up, lay down ma Interval 0 to 17'	EXPENDITURES Budgeted
dlogger Mone Diffional REPORT COllar, 12 h	ger Engi 3 hrs RIH rs nipple down B Hole Size 36" 26"	casing Size	Interval O to Pipe Pipe, 1 hr rig up, lay down ma Interval O to 288'	EXPENDITURES Budgeted Forward 33,665
dlogger Mone Difficultary Report Il History Inductor	ger Engi 3 hrs RIH rs nipple down E Mole Size 36"	neer/ Drilling Foreman to lay down drill BOPE Casing Size 30"	Day pipe, 1 hr rig up, lay down ma Interval 0 to 17'	EXPENDITURES Budgeted Forward 33,665
dlogger Mong DITIONAL REPORT COllar, 12 h Il History Inductor Inface termediate	ger Engi 3 hrs RIH rs nipple down B Hole Size 36" 26"	casing Size	Interval O to Pipe Pipe, 1 hr rig up, lay down ma Interval O to 288'	EXPENDITURES Budgeted Forward 33,665
dloggerMongottional REPORT collar, 12 h	ger Engi 3 hrs RIH rs nipple down B Hole Size 36" 26"	casing Size	Interval O to Pipe Pipe, 1 hr rig up, lay down ma Interval O to 288'	EXPENDITURES Budgeted Forward 33,665
dlogger <u>Mon</u>	ger Engi 3 hrs RIH rs nipple down B Hole Size 36" 26"	casing Size	Interval O to Pipe Pipe, 1 hr rig up, lay down ma Interval O to 288'	EXPENDITURES Budgeted Forward 33,665

Esmeralda county, Nevada

		D	AILY DRILLING REPORT	Report No.
Well Mo	-11A			Date: , 1 /16 /85
Location SE	ofSE	SEC	1S R 35E	Spud Date
ounty, State	Esmeralda, N	V Contract	tor <u>Steam Reserve Corporat</u>	tion Rig No. Willbros #10
resent Depth	8589 TD Drilled	to	Footage cut last 24 hou	rs
ud / Air	Temperature	inOL	OF_ Mud Cooler On/Off _	Mud Loss last 24 hrs.
ıd Weight	Vis	Waterloss	CC PH	Mud Cost last 24 hrs
ole Size	Deviation S	urveys		4
t /		· · · · · · · · · · · · · · · · · · ·		
abilizers, Ream	ers ers			
ocksubs and other	er			
ithology				
1568				
ss Circulation -	- Other		· · · · · · · · · · · · · · · · · · ·	
idlogger <u>Mon</u>	ger Engi	neer/ Drilling Foreman	Day	Geologist <u>Neymonaz</u>
ODITIONAL REPORT	24 hrs ni	pple down BOPE & r	igging down rig.	

ll History	Hole Size	Casing Size	Interval	EXPENDITURES
nductor	36"	30"	0 to 17'	Budgeted
rface	26"	20"	0 to 288'	Forward
termediate	17 1/2"	13 3/8"	0 to 1055	Daily Cost 7,704
•		•		TOTAL TO DATE 1,770,086
ner ner		•	to to	TOTAL TO DATE
	•	•	to	
her	*		to	
ement Report		And the state of t		
		· · · · · · · · · · · · · · · · · · ·		

			DAILY DRILLING EPORT	Report No.	69
Well No88-	-11A	Date:1/	Date:1/17/85		
Location SE	of SE	SEC 17 T	1S R 35E	Spud Date 💄	11/10/84
	the state of the s		tor . Steam Reserve Corp.		Willbros #10.
Present Depth .8	589 TD Drilled	to	Footage cut last 24 hours	·	
			F. Mud Cooler On/Off		
Mud Weight	Vis	Waterloss	PH	Mud Cost last 24 hrs	
Hole Size .	Deviation S	Surveys		·	and the second s
Bit #				···	
Lithology					
Gases					
Loss Circulation	- Other				
Mudlogger	Engi	neer/ Drilling Foreman	Day	GeologistDeymonaz	
ADDITIONAL REPORT	· •————————————————————————————————————				
		·			•
p-g					
		-			
Well History	Hole Size	Casing Size	Interval	EXPENDITURES	
Conductor	36"	30"	0 to .17'	Budgeted	
Surface	26"	20"	0 to 288'	Forward	
Intermediate	17 1/2"	13 3/8"	0 to 1055'	Daily Cost	
Liner	12 1/4"	9 5/8"	723 to 8342	TOTAL TO DATE	
Liner	_		to		
Other			to		

Cement Report