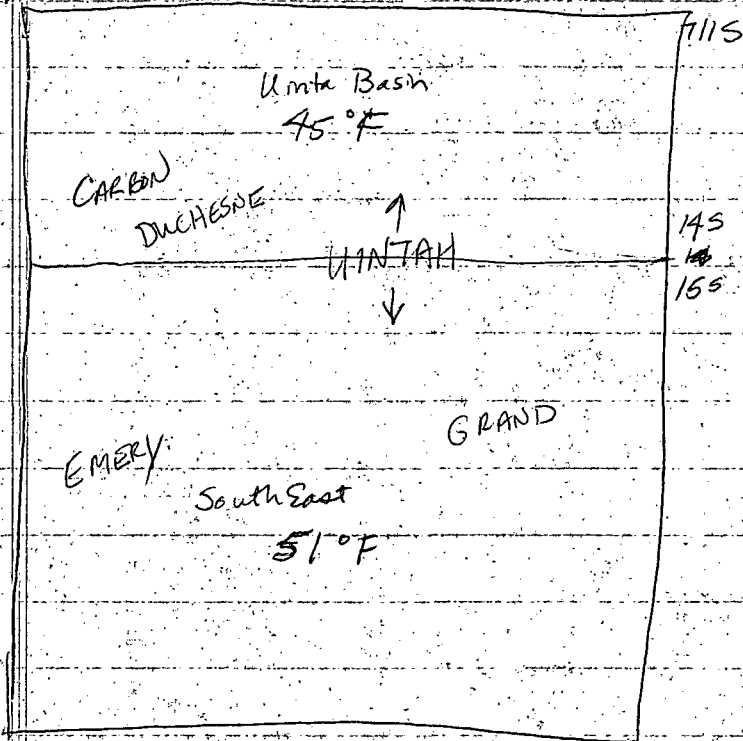


MEAN ANNUAL TEMPERATURES

194E



CARBON
Co.

CARBON COUNTY

SCHLUMBERGER WELL SURVEYING CORPORATION

DENVER, TEXAS



Induction-Electrical Log

COUNTY CARBON FIELD or LOCATION SEC. 3-12S-14E WELL STONE CABIN #3 COMPANY SUN OIL COMPANY	COMPANY <u>SUN OIL COMPANY</u>	Other Surveys ML S-GR
	WELL <u>STONE CABIN # 3</u>	Location of Well
	FIELD <u>STONE CABIN</u>	Elevation: D.F.: _____
	LOCATION <u>SEC. 3-12S-14E</u>	K.B.: 6256
	COUNTY <u>CARBON</u>	or G.L.: 6246
STATE <u>UTAH</u>	FILING No. <u>355</u>	

RUN No.	ONE				
Date	7-15-60				
First Reading	4494 ^{32.9}				
Last Reading	324				
Feet Measured	4170				
Csg. Schlum.	324				
Csg. Driller	324				
Depth Reached	4500				
Bottom Driller	4500				
Depth Datum	K.B.				
Mud Nat.	GEL-CHEM				
Dens. Visc.	10.3 47				
Mud Resist.	2.8 @ 72 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	1.6 @ 126 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.1 @ 126 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.3 @ 126 °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
MN	27'2"				
IND.	5FF40				
Opr. Rig Time	2 HRS				
Truck No.	1517 Vernal				
Recorded By	LANGILL				
Witness	PRATHER				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY CARBON FIELD or LOCATION STONE CABIN UNIT WELL STONE CABIN #2 COMPANY PETAN COMPANY	COMPANY PETAN COMPANY	Other Surveys ES, ML, SL, GRN CDM
	WELL STONE CABIN #2	Location of Well SEC. 14-12S-14E
	FIELD STONE CABIN UNIT	
	LOCATION SEC. 14-12S-14E	
	COUNTY CARBON	Elevation: D.F.: K.B.: 7756 or G.L.: 7743
	STATE UTAH	FILING No. 358

RUN No.	ONE				
Date	9-5-59				
First Reading	5886	279			
Last Reading	286				
Feet Measured	5600				
Csg. Schlum.	286				
Csg. Driller	286				
Depth Reached	5892				
Bottom Driller	5891				
Depth Datum	KB-13 ABOVE GL				
Mud Nat.	CHEM. GEL				
Dens. Visc.	9.0 58				
Mud Resist.	3.8 @ 78 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	2.1 @ 135 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.4 @ 135 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.6 @ 135 °F	@ °F	@ °F	@ °F	@ °F
pH	9.0 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	5.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs. — AM	16"				
MN	27 1/2"				
IND.	40"				
Opr. Rig Time	2 HRS				
Truck No.	1523 GJ				
Recorded By	MIXA				
Witness	FEDER				

MAS 15.0 18.7

Schlumberger

COMPENSATED NEUTRON LOG

COUNTY CARBON
 FIELD or LOCATION WILDCAT
 WELL #2B27 STONE CABIN 11
 COMPANY PTS-MONO-CHORNEY

COMPANY PTS-MONO-CHORNEY OIL COMPANY

WELL NO. 2B27 STONE CABIN 11

FIELD WILDCAT

COUNTY CARBON STATE UTAH

Location: SW, NW
 Sec. 27 Twp. 12S Rge. 15E

Other Services:
DIL
BHC-GR
363

Permanent Datum: GL; Elev.: 6080
 Log Measured From KB, 11 Ft. Above Perm. Datum
 Drilling Measured From KB

Elev.: K.B. 6091
 D.F. ----
 G.L. 6080

Date	<u>9-18-73</u>
Run No.	<u>ONE</u>
Type Log	<u>CTL-GR</u>
Depth—Driller	<u>6405</u>
Depth—Logger	<u>6396</u>
Bottom logged interval	<u>6395</u> ^{29.9}
Top logged interval	<u>50</u>
Type fluid in hole	<u>F.G.M.</u>
Salinity, PPM Cl.	<u>12000 (R)</u>
Density	<u>10.5</u>
Level	<u>FULL</u>
Max rec. temp., deg F.	<u>150</u>
Operating rig time	<u>10 HOURS</u>
Recorded by	<u>LANGLEY, STREETS</u>
Witnessed by	<u>STREET, OSTLING</u>

RUN No.	BORE-HOLE RECORD			CASING RECORD			
	Bit	From	To	Size	Wgt.	From	To
<u>ONE</u>	<u>7-7/8</u>	<u>CSG.</u>	<u>TD</u>	<u>9-5/8</u>	<u>---</u>	<u>SURF</u>	<u>510</u>

SCHLUMBERGER

**BOREHOLE COMPENSATED
SONIC LOG - GAMMA RAY**

COUNTY CARBON FIELD or LOCATION WILDCAT WELL STONE CABIN #1 COMPANY CHEVRON OIL CO.	COMPANY	CHEVRON OIL COMPANY		
	WELL	STONE CABIN NO. 1		
	FIELD	WILDCAT		
	COUNTY	CARBON	STATE	UTAH
	LOCATION	NW/NE		Other Services:
	Sec. 29	Twp. 12S	Rge. 15E	DIL FDC CDD 369

Permanent Datum: _____, Elev. _____	Elev.: K.B. 6616
Log Measured From _____, _____ Ft. Above Perm. Datum	D.F. ----
Drilling Measured From _____	G.L. 6596

Date	12-2-67	3-18-68	7-6-68
Run No.	ONE	TWO	THREE
Depth—Driller	2300	12,969	17,261
Depth—Logger	2298	12,987	17,259
Btm. Log Interval	2292	12,980 22.7	17,259 21.9
Top Log Interval	112	2300	12,972
Casing—Driller	20 @ 113	13 3/8 @ 2300	9 5/8 @ 12,972 @
Casing—Logger	112	2300	12,972
Bit Size	17 1/2	12 1/4	8 1/2
Type Fluid in Hole	FGM	FGM	FGM
Dens. Visc.	9.4 49	9.6 57.5	9.0 46
pH Fluid Loss	74 11.6ml	9.0 6.0 ml	10.5 5.4 ml
Source of Sample	CUSTOMER	CUSTOMER	CUSTOMER
R _m @ Meas. Temp.	5.53 @ 74 °F	1.40 @ 65 °F	0.75 @ 71 °F
R _{mf} @ Meas. Temp.	3.70 @ 100 °F	1.12 @ 65 °F	0.44 @ 78 °F
R _{mc} @ Meas. Temp.	-- @ -- °F	-- @ -- °F	1.4 @ 71 °F
Source: R _{mf} R _{mc}	CB --	FBC	M C
R _m @ BHT	-- @ NA °F	.44 @ 207 °F	0.17 @ 304 °F
Time Since Circ.	8 HOURS	18 HOURS	19 HOURS
Max. Rec. Temp.	NA °F	207 °F	304 °F
Equip. Location	3824 RS	4543 RS	4529 VERNAL
Recorded By	DOBRI NSKI	RUST	THOMAS
Witnessed By	DAILEY	DAILEY	HOPART

LOG
 @
 @
 @
 @
 @

CORE LABORATORIES, INC.



Petroleum Research Engineering

COMPANY Petco Company DATE ON Oct. 7, 1958 FILE # 32-65
 WELL Clay Bank Springs # 1 DATE OFF NOV. 22, 1958 ENGINEER BR
 FIELD Midland DRILG. FLUID air ELEVATION 5100
 COUNTY Garcon STATE Utah LOCATION 13-25-15E

Grapholog

365

BAND SHALE LIMESTONE DOLOMITE
 CONGLOMERATE CHALK SALT CHERT
 GYPSUM COAL

DEPTH	DRILLING RATE - MIN/FT	PORE PRESSURE	TEMPERATURE	HYDROCARBON INDEX			FORMATION DESCRIPTION
				INDEX	CUTTINGS	MUD	
500	5 30 15 20 25						Commenced logging 7:00 am Oct. 8, '58 Drilling with air and water. Samples very firm. Red silty sl calc sh
520							sh vfg sl mic sl calc clean qtz sd.
540							Frm to dk red silty calc sh & wh to gr sl calc ht silty.
560							vfg silty - sl calc qtz sd & lt gr to dk gr sl silty sl calc sh.
580							dk brn to lt tn sh.
600							sh to tn vfg calc sh.
620							
640							Few pieces of dull gold flin & blk spec of dead oil.
660							wh vfg sd.
680							lk brn calc sh.
700							Some sh bent ash.
720							sh vfg to fg w calc sd w many minute calc fossils. (seed clams). Pale yellow. Flin 5 no cut or sh.
740							lt tn to wh vfg to silty v calc qtz sd.
760							
780							Sh wh fg uncl qtz.
800							Sh vfg v calc gr and tan.
820							Sh v calc v silty bent gr and tn.
840							Sh lt gr grn to vfg calc pt silty. Sh lt gr to sh sub round uncl qtz.

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



CALIPER LOG

COUNTY
FIELD or
LOCATION
WELL
COMPANY

COMPANY ALAMO
CORPORATION
WELL # 1 CLAYBANK SPRINGS
FEDERAL
FIELD WILDCAT
LOCATION SEC 33-125-15E
COUNTY CARBON
STATE UTAH

Location of Well
FIELD
PRINT
Elevation: D.F.:
K.B.: 6361
or G.I.: 6351
FILING No. 365

RUN No.	<u>ONE</u>		
Date	<u>8-27-61</u>		
First Reading	<u>5288</u>	<u>20.7</u>	
Last Reading	<u>1000</u>		
Feet Measured	<u>4288</u>		
Csg. Schlum.	<u>-</u>		
Csg. Driller	<u>240</u>		
Depth Reached	<u>5289</u>		
Bottom Driller	<u>5312</u>		
Depth Datum	<u>K.B.</u>		
Mud Nat.	<u>CHEM-GEL</u>		
" Density	<u>9.5</u>		
" Viscosity	<u>140</u>		
" Resist.	<u>1.6 @ 75°F</u>	@ °F	
" Res. BHT	<u>@ 134°F</u>	@ °F	
" pH	<u>11 @ °F</u>	@ °F	
" Wtr. Loss	<u>5.8CC 30 min.</u>	CC 30 min.	
Max. Temp. °F	<u>134</u>		
Bit Size	<u>7-7/8"</u>		
Opr. Rig Time	<u>2 HRS</u>		
Truck No.	<u>1517 VERNAL</u>		
Recorded By	<u>WARNER</u>		
Witness	<u>BOCELL</u>		

MAST 75.6 20.1

FOLD HERE

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



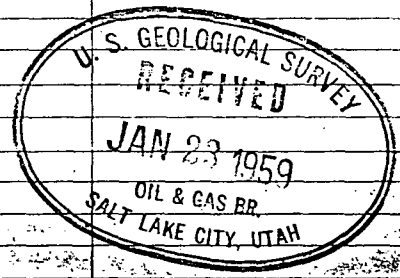
SIMULTANEOUS

Gamma Ray-Neutron

COUNTY CARBON FIELD or LOCATION WILDCAT WELL CALYBANK SPRINGS COMPANY PETAN COMPANY	COMPANY PETAN COMPANY	Other Surveys IES-ML-SL
	WELL CLAYBANK SPRINGS #1	Location of Well SEC. 33-12S-15E SLM 1616'S 1166'E NW CORNER
	FIELD WILDCAT	Elevation: D.F.: 6362 K.B.: or G.L.:
	LOCATION SEC33-12S-15E ^{NW} _{NE}	FILING No. 365
	SLM1616S 1166E NW CORNER	
	COUNTY CARBON	
	STATE UTAH	

Log Depths Measured From KB 11.0' Ft. above GL

RUN NO.	ONE
Date	11-21-58
First Reading	5520 ^{23.1}
Last Reading	240
Footage Measured	5280
Max. Depth Reached	5521
Bottom Driller	5519
Maximum Temp. °F.	115
Fluid Nature	CHEM
Fluid Level	FULL
(Casing Size	9 5/8 in.)
(Casing Weight	lb. } SURF to 240
(Casing Size	in.)
(Casing Weight	lb. } to
Bit Size	7 7/8 in. 240 to TD
Bit Size	in. to
No. Counters Used	SCINT
Type Equipment	GNAM-4
Type Panel	GNP-C
Opr. Rig Time	4 HRS.
Truck No.	2791 CRTZ.
Observer	WALDRON
Witness	MESSRS. EVANS & FEDER

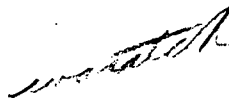


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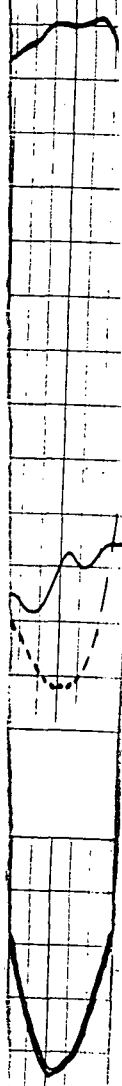
SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



Electrical Log

COUNTY CARBON FIELD or JACK CANYON LOCATION SEC. 28 12S 16E WELL JACK CANYON UNIT # 3 COMPANY EL PASO NAT. GAS CO	COMPANY	EL PASO NATURAL	Location of Well  (ES - ML) Elevation: D.F.: K.B.: 6359 or G.L.:
		GAS COMPANY	
	WELL	JACK CANYON	
		UNIT # 3	
	FIELD	JACK CANYON	
	LOCATION	SEC. 28 12S 16E ¹⁴	
	2513/WL & 300/SL		
	COUNTY	CARBON ^{SESW}	
	STATE	UTAH	FILING No. 366

RUN No.	ONE	TWO			
Date	5-10-54	5-11-54			
First Reading	3040 _{26.2}	3094			
Last Reading	309	3040			
Feet Measured	2731	54			
Csg. Schlum.	309	-			
Csg. Driller	309	-			
Depth Reached	3041	3095			
Bottom Driller	3040	3094			
Depth Datum	KB	KB			
Mud Nat.	GEL	GEL			
" Density	9.4	9.4			
" Viscosity	70	70			
" Resist.	3.0 @ 75°F	3.0 @ 75°F	@ °F	@ °F	@ °F
" Res. BHT	2.6 @ 87°F	2.6 @ 87°F	@ °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	87	87			
Bit Size	2	2 3/4"			
Spcgs.—AM	16"	16"			
AM	64"	64"			
AO	18" 8"	18" 8"			
Opr. Rig Time	1 1/2 HRS	1 HR			
Truck No.	782	782			
Recorded By	RUSEH	RUSEH			
Witness By	BECHTEL	BECHTEL			



SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY <u>CARBON</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>JACK'S CANYON #6</u> COMPANY <u>EL PASO NATURAL GAS COMPANY</u>	COMPANY <u>EL PASO NATURAL GAS COMPANY</u> WELL <u>JACK'S CANYON #6</u> FIELD <u>WILDCAT</u> LOCATION <u>SEC. 31 12S 16E</u> <u>1714NSL & 485WEL OF NE SE</u> COUNTY <u>CARBON</u> STATE <u>UTAH</u>	Location of Well ML Elevation: D.F.: _____ K.B.: <u>6150</u> or G.L.: <u>6141</u> FILING No. <u>S. J. P.</u> <u>367</u>
--	--	---

RUN No.	ONE	TWO			
Date	7-23-56	7-24-56			
First Reading	2294 ^{56.6}	2419 ^{62.7}			
Last Reading	136	2294			
Feet Measured	2058	125			
Csg. Schlum.	136	-			
Csg. Driller	136	136			
Depth Reached	2295	2420			
Bottom Driller	2293	2420			
Depth Datum	KB	KB			
Mud Nat.	CHEM, GEL	CHEM, GEL			
" Density	10	10			
" Viscosity	50	65			
" Resist.	3.0 @ 89°F	3.3 @ 82°F	@ °F	@ °F	@ °F
" Res. BHT	2.4 @ 115°F	2.3 @ 115°F	@ °F	@ °F	@ °F
" pH	7.2 @ °F	7.8 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	8.8 CC 30 min.	7.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	115	115			
Bit Size	8 3/4"	8 3/4"			
Spcgs.—AM	16"	16"			
A	64"	64"			
AO	18'8"	18'8"			
Opr. Rig Time	1 HR	1 HR			
Truck No.	1517 GJ	1517 GJ			
Recorded By	FERGUSON	FERGUSON			
Witnessed By	CLUTTER	CLUTTER			

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY CARBON FIELD or LOCATION JACK CANYON WELL JACK CANYON # 5 COMPANY EL PASO NATURAL GAS COMPANY	COMPANY	EL PASO NATURAL GAS COMPANY	Location of Well SEC 32-12S-16E ES (ML) <i>Watch</i> Elevation: D.F.: K.B.: 6931 or G.L.: 6922 FILING No. 368
	WELL	JACK CANYON # 5	
	FIELD	JACK CANYON	
	LOCATION	SEC 32-12S-16E 9	
	COUNTY	CARBON	
STATE	UTAH		

RUN No.	ONE				
Date	5/28/56				
First Reading	3275 ^{46.2}				
Last Reading	131				
Feet Measured	3144				
Csg. Schlum.	131				
Csg. Driller	130				
Depth Reached	3276				
Bottom Driller	3275				
Depth Datum	KB				
Mud Nat.	CHEMICAL				
" Density	9.6				
" Viscosity	65				
" Resist.	4.4 @ 66°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	2.6 @ 110°F	@ °F	@ °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	110				
Bit Size	7 7/8				
Spcgs.—AM	16"				
AM'	64"				
AO	18' 8"				
Opr. Rig Time	1 1/2 HRS.				
Truck No.	2791 CRTZ				
Recorded By	CHAMBLISS				
Witnessed By	CLUTTER				

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY CARBON FIELD or LOCATION PETERS POINT WELL JACKS CANYON UNIT NO. 7 COMPANY HYLAND OIL CO.	COMPANY	HYLAND OIL	Other Surveys ML
		COMPANY	
	WELL	JACKS CANYON	Location of Well
		UNIT NO. 7	
	FIELD	PETERS POINT	
	LOCATION	SEC. 33-T12S-R16E	Elevation: D.F.: K.B.: 7282 or G.L.: 7270
	SE NE		
COUNTY	CARBON	FILING No. 369	
STATE	UTAH		

RUN No.	ONE				
Date	6-1-63				
First Reading	3535 ^{2A.2}				
Last Reading	164				
Feet Measured	3371				
Csg. Schlum.	164				
Csg. Driller	165				
Depth Reached	3536				
Bottom Driller	3540				
Depth Datum	K. B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.9 59				
Mud Resist.	2.10@ 73 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.66@ 92 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.5@ 92 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.78@ 92 °F	@ °F	@ °F	@ °F	@ °F
" pH	10.0@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.0CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"				
Spcgs.—AM	16"				
MN	34' 6"				
IND.	6FF40				
Opr. Rig Time	1 HOUR				
Truck No.	2517 VERNAL				
Recorded By	LEDY				
Witness	KING				

COUNTY CARBON FIELD or LOCATION JACKS CANYON WELL JACKS CANYON NO. 9 COMPANY RESERVE OIL & GAS COMPANY	COMPANY RESERVE OIL & GAS COMPANY		
	WELL NO. 9 JACKS CANYON		
	FIELD JACKS CANYON		
	COUNTY CARBON STATE UTAH		
LOCATION		1498' FNL & 1902' FWL <i>SNW</i>	Other Services: PB-B SS-HJ 376
Sec. 33 Twp. 12S Rge. 16E			
Permanent Datum: GL ; Elev.: 6853		Elev.: K.B. 6865	
Log Measured From KB , 12Ft. Above Perm. Datum		D.F. ----	
Drilling Measured From KB		G.L. 6853	
Date	8/15/75		
Run No.	TWO		
Depth-Driller	3055		
Depth-Logger	----		
Btm. Log Interval	2950 25.3		
Top Log Interval	500		
Casing-Driller	5 1/2 @ 3055		@
Casing-Logger	--		
Casing Size	1 5 1/2 To 3055	To	To
	2	To	To
Casing Weight	1 15 1/2		
	2		
Casing Thickness	1		
	2		
Bit Size	1 To	To	To
	2 To	To	To
Type Fluid in Hole	WATER		
Dens.	Visc.	--	--
Time Since Circ.	---		
BHT	86°		
Equip.	5657 VERNAL		
Recorded By	YATCHAK		
Witnessed By	BARD		

Schlumberger

TEMPERATURE LOG

COUNTY CARBON FIELD or LOCATION JACKS CANYON WELL #9 JACKS CANYON COMPANY RESERVE OIL & GAS CO.	COMPANY RESERVE OIL & GAS CO.	
	WELL #9 JACKS CANYON	
	FIELD JACKS CANYON	
	COUNTY CARBON STATE UTAH	
LOCATION 1498' FNL & 1902' FWL		Other Services:
Sec. 33 Twp. 12S Rge. 16E		DIL
		370
Permanent Datum: G.L. ; Elev.: 6853		Elev.: K.B. 6855
Log Measured From K.B. , 12 Ft. Above Perm. Datum		D.F. --
Drilling Measured From K.B.		G.L. 6853
Date	7/30/75	
Run No.	ONE	
Depth-Driller	3112	
Depth-Logger	2452	
Btm. Log Interval	2452 23.0	
Top Log Interval	450	
Casing-Driller	8 5/8 @ 481 @	
Casing-Logger	484	
Casing Size	1 -- To --	To To
	2 -- To --	To To
Casing Weight	1 --	--
	2 --	--
Casing Thickness	1 --	--
	2 --	--
Bit Size	1 7 7/8 To 3112	To To
	2 To	To To
Type Fluid in Hole	FGM	
Dens.	8.5	32
Time Since Circ.	8 HOURS	
BHT	76	
Equip.	7683	VERNAL
Recorded By	HAUGAARD	
Witnessed By	RIGGS & THOMAS	

Schlumberger

COMPENSATED NEUTRON LOG

COUNTY CARBON FIELD or LOCATION JACKS CANYON WELL #9 JACKS CANYON COMPANY RESERVE OIL & GAS COMPANY	COMPANY RESERVE OIL & GAS COMPANY							
	WELL #9 JACKS CANYON							
	FIELD JACKS CANYON							
	COUNTY CARBON STATE UTAH							
Location: 1498' FWL & 1902' FWL					Other Services:			
Sec. 33 Twp. 12S Rge. 16E					CBL-VDL-GR PERF 370			
Permanent Datum: G.L.; Elev.: 6853					Elev.: K.B. 6865			
Log Measured From K.B., 12 Ft. Above Perm. Datum					D.F. ---			
Drilling Measured From K.B.					G.L. 6853			
Date	8/5/75							
Run No.	ONE							
Type Log	NEUTRON							
Depth—Driller	3065							
Depth—Logger	3055							
Bottom logged interval	3052 - 40.0							
Top logged interval	1500							
Type fluid in hole	FORMATION WATER							
Salinity, PPM Cl.	--							
Density	--							
Level	300'							
Max rec. temp., deg F.	112							
Operating rig time	2 HOURS							
Recorded by	EG MIDA							
Witnessed by	MR. HOWARD & MR. POWERS							
RUN No.	BORE-HOLE RECORD				CASING RECORD			
	Bit	From	To	Size	Wgt.	From	To	
ONE	7 7/8	SURF	TD	5 1/2	15.5			

This information is furnished by Schlumberger

SCHLUMBERGER**INDUCTION - ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	CARBON	WILDCAT	NO. 8 PETERS POINT	HUMBLE O. I. & L. S.	COMPANY		HUMBLE OIL & REFINING COMPANY	
	WELL				NO. 8 PETERS POINT			
	FIELD				WILDCAT			
	COUNTY		CARBON		STATE		UTAH	
LOCATION					C SE SW		Other Services:	
Sec. 34					Twp. 12S		Rge. 16E	
Permanent Datum: G.L.					Elev. 6860		Elev.: K.B. 6872	
Log Measured From K.B.					12 Ft. Above Perm. Datum		D.F.	
Drilling Measured From K.B.							G.L. 6860	
Date		10-13-64		10-14-64				
Run No.		ONE		TWO				
Depth—Driller		9370		9373				
Depth—Logger		9090		9374				
Btm. Log Interval		9089 22.1		9373				
Top Log Interval		1040		9090				
Casing—Driller		9 5/8@ 1039		9 5/8@ 1039		@ @		
Casing—Logger		1040		-				
Bit Size		7 7/8"		7 7/8"				
Type Fluid in Hole		GEL-CHEM		GEL-CHEM				
		DIESEL		DIESEL				
Dens.	Visc.	9.3	52	9.3	52			
pH	Fluid Loss	8.6	4.6ml	8.6	4.6ml	ml	ml	
Source of Sample		FLOW LINE		FLOW LINE				
R _m	@ Meas. Temp.	3.05 @ 81°F		3.1 @ 80°F	@ °F	@ °F	@ °F	
R _{mf}	@ Meas. Temp.	2.06 @ 81°F		2.1 @ 80°F	@ °F	@ °F	@ °F	
R _{mc}	@ Meas. Temp.	- @ - °F		- @ - °F	@ °F	@ °F	@ °F	
Source: R _{mf} R _{mc}		F.P. A-4		M C				
R _m	@ BHT	1.6 @ 155°F		1.6 @ 155°F	@ °F	@ °F	@ °F	
Time Since Circ.		5 HOURS		8 HOURS				
Max. Rec. Temp.		155 °F		155 °F		°F °F		
Equip.	Location	4529 VERNAL		4544 VERNAL				
Recorded By		HANDLEY		WINKLER				
Witnessed By		FOLEY		FOLEY				

SGR-C

371

Elev.: K.B. 6872

D.F.

G.L. 6860

Dresser/Atlas

Combination Logging Systems



Compensated Densilog Compensated Neutron



FILE NO. 529	COMPANY RESERVE OIL INC.
	WELL PETERS POINT #8
	FIELD PETERS POINT
	COUNTY CARBON STATE UTAH
LOCATION: SE/SW	Other Services DIFL 371
SEC 34 TWP 12S RGE 16E	

Permanent Datum G.L. Elev. 6860	Elevations: KB 6870.5
Log Measured from K.B. 10.5 Ft. Above Permanent Datum	DF 6869.5
Drilling Measured from K.B.	GL 6860

Date	6/25/78	6/26/78	6/28/78	
Run No.	THREE	FOUR	FIVE	
Service Order	87790	87791	87792	
Depth—Driller	2979	3100	3260	
Depth—Logger	2988	3099	3260	
Bottom Logged Interval	2986 40.9	3097 41.8	3258 40.8	
Top Logged Interval	1042	2800	2800	
Casing—Driller	9 5/8@ 1035	9 5/8@ 1035	9 5/8@ 1035	@
Casing—Logger	1042	1042	1042	
Bit Size	8 3/4"	8 3/4"	8 3/4"	
Type Fluid in Hole	BRINADD-SLUGHEAL		BRINADD-SLUGHEAL	
Density and Viscosity	8.9 31	8.9 31	8.9 31	
pH and Fluid Loss	10.0 6.0 cc	10.0 5.5 cc	10.0 5.5 cc	
Source of Sample	FLOWLINE		FLOWLINE	
Rm @ Meas. Temp.	168 @ 72°F	222 @ 74°F	280 @ 70°F	@
Rmf @ Meas. Temp.	140 @ 80°F	174 @ 80°F	176 @ 75°F	@
Rmc @ Meas. Temp.	338 @ 80°F	352 @ 80°F	340 @ 75°F	@
Source of Rmf and Rmc	MEAS	MEAS	MEAS	MEAS
Rm @ BHT	108 @ 112°F	@ 116°F	160 @ 118°F	@
Time Since Circ.	6 HRS	7 HRS	5 HRS	
Max. Rec. Temp. Deg. F.	112 °F	116 °F	118 °F	
Equip. No. and Location	6159 RSVT	6159 RSVT	6159 RSVT	
Recorded By	TORGERSON-PORCH		PERESSINI-TORGERSON	
Witnessed By	WIVCHAR		SCOTT	



Direct Production
Focused Log
WITH LINEAR CORRELATION LOG


FILE NO. R-386	COMPANY RESERVE OIL & GAS COMPANY	
	WELL PETERS POINT UNIT 11A	
	FIELD PETERS POINT	
	COUNTY CARBON	STATE UTAH
	LOCATION: 1260' FSL & 639' FEL ^{SESE} 16	
SEC 35	TWP 12S	RGE 16E
		Other Services CND 372

Permanent Datum	GROUND LEVEL	Elev. 6768	Elevations: KB 6778
Log Measured from	R.K.B. 10	Ft. Above Permanent Datum	DF 6777
Drilling Measured from	R.K.B.		GL 6768

Date	10/11/76	10/21/76		
Run No.	ONE	TWO		
Depth—Driller	3250	4700		
Depth—Logger	3254	4710		
Bottom Logged Interval	3252	4708		
Top Logged Interval	822	3050		
Casing—Driller	8 5/8 @ 823	823 @ 8 5/8	@	@
Casing—Logger	822	822		
Bit Size	7 7/8"	7 7/8"		
Type Fluid In Hole	CHEM GEL	CHEM GEL	@	@
Density and Viscosity	9.5 36	9.6 45		
pH and Fluid Loss	11.0 5.0 cc	9.5 5.8 cc	cc	cc
Source of Sample	CIRCULATED	FLOWLINE		
Rm @ Meas. Temp.	.68 @ 74 °F	1.4 @ 70 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.58 @ 74 °F	.98 @ 74 °F	@ °F	@ °F
Rmc @ Meas. Temp.	.80 @ 74 °F	2.4 @ 74 °F	@ °F	@ °F
Source of Rmf and Rmc	M M	M M		
Rm @ BHT	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	4 HOURS	5 HOURS		
Max. Rec. Temp. Deg. F.	<100 °F	<100 °F	°F	°F
Equip. No. and Location	6089 RSVLT	6089 RSVLT		
Recorded By	MCCALL	MILHOAN-MCCALL		
Witnessed By	MR. CARR	MR. CARR		

MAST 75.6

S C H L U M B E R G E R
ELECTRICAL LOG

 <p>Location of Well Elevation: D.F.: 6735 K.B.: 6735 or G.L.: 6728</p>	<p>COMPANY: El. Paso Natural Gas Company WELL: Unit # 2 FIELD: Peters Point (W) LOCATION: SW NE SW 36-12S-16E COUNTY: Carbon STATE: Utah FILING No.</p>	<p>COUNTY: Carbon 8249 FIELD OR SW NE SW 36-12S-16E LOCATION: SW NE SW 36-12S-16E WELL: UNIT # 2 COMPANY: El. Paso Nat. Gas</p>
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RUN NO.	One	Two			
Date	6-1/2-53	6-13-53			
First Reading	4530	4984	21.9		
Last Reading	163	4530			
Footage Measured	4387'	454'			
Csg Shoe Schlum	163	4529			
Csg Shoe Driller	159	4530			
Max. Depth Reached	4530	4984			
Bottom Driller	4530	4983			
Depth Datum	RT	RT			
Mud Nature	*	Oil Emulsion			
- Density	9.9	9.5			
- Viscosity	54	58			
- Resistivity	2.0 @ 70' F	1.4 @ 88' F	@	@	@
- Resistivity BHT	1.4 @ 102'	1.1 @ 110'	@	@	@
- pH	- @ ' F	- @ ' F	@	@	@
- Water Loss	- CC/30 Min.	- CC/30 Min.	CC/30 Min.	CC/30 Min.	CC/30 Min.
Maximum Temp. °F	102	110			
Bit Size	8 3/4"	6 1/8"			
Spacings - AM	16"	16"			
AM	64"	64"			
AO	15' 8"	15' 8"			
E.S. Rig Time	1 Hr.	1 Hr.			
Truck No.	782	782 Vnl			
Recorded By	Rusen	Julius			
Witnessed By	Wilkins	Bechtel			

373

REMARKS

Mud sample from flow line Run 1 Mud sample from mud pit Run #2
*Gel=Caucstic=Queb

Spontaneous-Potential millivolts	DEPTH	Resistivity -ohms. m ² /m.
		Normal
		100
		1000
		Long Normal
		100
		1000
		10000
		Lateral
	L.R.	100
	163	1000
		10000

CARBON CO.
(W) PETERS POINT
12S-16E

EL PASO NAT. GAS, #2 UNIT
SW NE SW 36-12S-16E
(1900 N/S 1700 E/W)
(CONTR: Own)

(UPPER WASATCH GAS DISC.
NEW FIELD)

SPUD 4-27-53; 13-3/8" CSG AT 155, 7" CSG AT 2745 W/140; ELI 6728 CR; LOG TOPS: WASATCH 2780; DST 2676-2716, OPEN 2 HRS, WEAK BLBW, REC 5' 7 1/2", 20' HEAVY OIL & GAS CUT MUD, 70' GAS AND OIL CUT MUD, FP 0#, SIP 0#, HP 1320#; DST 2808-48, OPEN 2 HRS, 45 MIN, SLIGHT BLOW, REC 5' MUD, FP 0#, SIP 0#, HP 1420#;

DST 2847-2900, OPEN 5 HRS, REC GAS TO SURFACE IN 3 MIN, GAUGED 1,000 MCF GAS PER DAY IN 10 MIN, 1500 MCF PER DAY IN 15 MIN, 1710 MCF PER DAY IN 30 MIN, 1832 MCF PER DAY IN 1 HR, 1965 MCF PER DAY IN 2 HRS; 2081 MCF PER DAY IN 3 HRS, 89 92#;

SCHLUMBERGER**INDUCTION-ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	CARBON	WILDCAT	MOUNT BARTLES	MOUNTAIN FUEL
	NO. 1			
	COMPANY MOUNTAIN FUEL			
	MOUNTAIN FUEL			
COMPANY _____				
WELL _____ MOUNT BARTLES NO. 1				
FIELD _____ WILDCAT				
COUNTY _____ CARBON STATE _____ UTAH				
LOCATION 660' FWL & 510' FNL 13 SW SW 1/4				Other Services: A-BS-GRC, FAL 374
Sec. 9 Twp. 13S Rge. 14E				

Permanent Datum: G.L., Elev. 9253
 Log Measured From K.B., 15 Ft. Above Perm. Datum
 Drilling Measured From K.B.

Elev.: K.B. 9268
 D.F. 9266
 G.L. 9253

Date	10-12-65	10-28-65	11-27-65	
Run No.	ONE *	TWO *	THREE *	
Depth—Driller	6370	8030	9650	
Depth—Logger	6372	8017	9645	
Btm. Log Interval	6371 20.6	8016 19.6	9644 19.5	
Top Log Interval	1026	6371	1025	
Casing—Driller	133/8@ 1025	13 3/8@ 1025	13 3/8@ 1025	@
Casing—Logger	1026	1026	1025	
Bit Size	1 1/2"	9"	9"	
Type Fluid in Hole	FRESH GEL	FRESH GEL	CHEM-GEL	
Dens.	9.6	64	9.6	60
Visc.			9.4	55
pH	8.5	4.4 ml	10.0	5.4 ml
Fluid Loss			8.5	5.2 ml
Source of Sample	FLOW LINE	FLOW LINE	FLOW LINE	
R _m @ Meas. Temp.	4.52 @ 65 °F	3.80 @ 71 °F	3.41 @ 70 °F	@ °F
R _{mf} @ Meas. Temp.	3.58 @ 65 °F	3.62 @ 72 °F	2.71 @ 70 °F	@ °F
R _{mc} @ Meas. Temp.	- @ - °F	- @ - °F	- @ - °F	@ °F
Source: R _{mf} R _{mc}	M -	M C	M C	
R _m @ BHT	2.68 @ 117 °F	2.0 @ 131 °F	1.6 @ 48 °F	@ °F
Time Since Circ.	3 HOURS	3 HOURS	3 HOURS	
Max. Rec. Temp.	117 °F	131 °F	148 °F	°F
Equip. Location	4544 VERNAL	4544 VERNA	4529 VERNAL	
Recorded By	MAXWELL	MAXWELL	CALLICOTTE	
Witnessed By	CATACOSINOS	CAMP	CAMP	

SCHLUMBERGER WELL SURVEILLANCE CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY CARBON FIELD or LOCATION WILDCAT WELL PRESTON-NUTTER #1 COMPANY GULF OIL CORPORATION	COMPANY	GULF OIL CORPORATION	Location of Well
	WELL	PRESTON-NUTTER #1	ML, L, GRN
	FIELD	WILDCAT	375
	LOCATION	SEC. 24 13S 14E 10	Elevation: D.F.: - K.B.: - or G.L.: -
	COUNTY	CARBON	FILING No. <i>S.J.P.</i>
	STATE	UTAH	

RUN No.	ONE				
Date	10-6-56				
First Reading	2683 31.9				
Last Reading	111				
Feet Measured	2572				
Csg. Schlum.	111				
Csg. Driller	111				
Depth Reached	2684				
Bottom Driller	2685				
Depth Datum	KB				
Mud Nat.	CHEM GEL				
" Density	9.2				
" Viscosity	80				
" Resist.	3.2 @ 69°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	2.4 @ 92°F	@ °F	@ °F	@ °F	@ °F
" pH	9 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	92				
Bit Size	7 7/8"				
Spcgs.—AM	16"				
A	64"				
AO	18' 8"				
Opr. Rig Time	1 HR				
Truck No.	1517 GJ				
Recorded By	FERGUSON				
Witnessed By	FICKINGER				

RECEIVED
 OCT 24 1956
 OIL AND GAS CONSERVATION COMMISSION
 OF THE STATE OF MONTANA
 BILLINGS

Schlumberger

COMPENSATED
FORMATION DENSITY LOG
Gamma-Gamma

COUNTY CARBON
FIELD of
LOCATION PETERS POINT
WELL PETERS POINT UNIT 9
COMPANY KIMBARK OP. CO.

COMPANY KIMBARK OPERATING COMPANY

WELL PETERS POINT UNIT 9

FIELD PETERS POINT

COUNTY CARBON STATE UTAH

Location:
1509' NL & 1551' EL SWNE
Sec. 1 Twp. 13S Rge. 16E

Other Services:
DIL
376

Permanent Datum: G.L. Elev.: 6750
Log Measured From KB 11 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 6761
D.F.
G.L. 6750

Date	8-11-74					
Run No.	ONE					
Depth-Driller	4750					
Depth-Logger	4754					
Btm. Log Interval	4753 2.9					
Top Log Interval	195					
Casing-Driller	8 5/8 @ 201			@	@	@
Casing-Logger	198					
Bit Size	7 7/8					
Type Fluid in Hole	EL					
Fluid Level	FULL					
Dens.	Visc.	8.8 42				
pH	Fluid Los	9.5 7.0ml		ml	ml	ml
Source of Sample	CIRC					
Rm @ Meas. Temp.	5.1 @ 80 °F		@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	3.0 @ 80 °F		@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	5.0 @ 80 °F		@ °F	@ °F	@ °F	@ °F
Source: Rmf	Rmc	M C				
Rm @ BHT	4.0 @ 102 °F		@ °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HOURS					
Max. Rec. Temp.	102 °F			°F	°F	°F
Equip.	Location	7-74 VRNL				
Recorded By	STRAWIN					
Witnessed By	MR. RILES					

The well name, location and borehole reference data were furnished by the customer

FOLD HERE

Schlumberger

WITH LINEAR CORRELATION LOG

COUNTY FIELD or LOCATION WELL NO. 1-10 COMPANY	CARBON	COMPANY		CHORNEY OIL ET AL.	
	WILDCAT	COMPANY		CHORNEY OIL ET AL.	
	PETERS POINT	COMPANY		CHORNEY OIL ET AL.	
		COMPANY		CHORNEY OIL ET AL.	
COMPANY		CHORNEY OIL COMPANY, PACIFIC GAS		TRANS. CO. AND MONO POWER CO.	
WELL		PETERS POINT NO. 1-10			
FIELD		WILDCAT			
COUNTY		CARBON		STATE UTAH	
LOCATION		NE SW		Other Services:	
Sec. 10		Twp. 13S		Rge. 16E	
				BHC-GR	
				FDC-GR	
				CNL-GR 377	
Permanent Datum: G.L. , Elev. 6739				Elev.: K.B. 6750	
Log Measured From K.B. , 11 Ft. Above Perm. Datum				D.F. ----	
Drilling Measured From K.B.				G.L. 6739	
Date	7-17-72	8-26-72			
Run No.	ONE	TWO			
Depth-Driller	5002	9124			
Depth-Logger	4985	9120			
Btm. Log Interval	4979 30.4	9114 23.4	Confidential		
Top Log Interval	503	4979			
Casing-Driller	13-3/8@505	13-3/8@505	@	@	
Casing-Logger	503	503			
Bit Size	7-7/8	7-7/8			
Type Fluid in Hole	FGM	FGM			
	---	---			
Dens.	8.7	5.1	8.8	48	
pH	8.0	6.8 ml	8.0	8.0 ml	ml ml
Source of Sample	TANK		MUD TANK		
R _m @ Meas. Temp.	3.47 @ 90 °F	3.49 @ 65 °F	@	°F	@ °F
R _{mf} @ Meas. Temp.	2.17 @ 89 °F	2.35 @ 65 °F	@	°F	@ °F
R _{mc} @ Meas. Temp.	1.8 @ 90 °F	5.25 @ 65 °F	@	°F	@ °F
Source: R _{mf} R _{mc}	M C	M C			
R _m @ BHT	2.47 @ 128°F	1.42 @ 162°F	@	°F	@ °F
Time Since Circ.	6 HOURS	13 HOURS			
Max. Rec. Temp.	128 °F	162 °F		°F	°F
Equip. Location	7647 VERN	7647 VERN			
Recorded By	FARR	MC MATH			
Witnessed By	OSTLING	OSTLING & COX			

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

Schlumberger

 COMPENSATED
 FORMATION DENSITY LOG
 Gamma-Gamma

 COUNTY CARBON
 FIELD or LOCATION WILDCAT
 WELL PETERS POINT
 NO. 21
 COMPANY CHORNEY OIL ET. AL.

 COMPANY CHORNEY OIL COMPANY, PACIFIC GAS
 TRANS. CO. AND MONO POWER CO.

WELL PETERS POINT NO. 1-10

FIELD WILDCAT

COUNTY CARBON STATE UTAH

Location:

NE SW

Sec. 10 Twp. 13S Rge. 16E

Other Services:

 DIL
 BHC-GR
 CNL-GR 377

 Permanent Datum: G.L. ; Elev.: 6739
 Log Measured From K.B., 11 Ft. Above Perm. Datum
 Drilling Measured From K.B.

 Elev.: K.B. 6750
 D.F. ----
 G.L. 6739


Date	7-17-72	8-26-72
Run No.	ONE	TWO
Depth-Driller	5002	9124
Depth-Logger	4983	9122
Btm. log interval	4982 31.8	9121 23.4
Top log interval	503	4982
Type fluid in hole	FGM	FGM
Salinity, PPM Cl.	---	1500
Dens. Visc.	8.7 / 51	8.8 / 48
pH Fluid loss	8.0 / 6.8	8.0 / 8.0
Level	FULL	FULL
Time since circ.	5 HOURS	12 HOURS
Max rec. temp.	132	162
Recorded by	FARR	MC MATH
Witnessed by	OSTLING	OSTLING & COX

Confidential

RUN	BORE-HOLE RECORD				CASING RECORD			
	No.	Bit	From	To	Size	Wgt.	From	To
ONE	7-7/8	503	5002	13-3/8	-	SURFACE	505	
TWO	7-7/8	503	9124	13-3/8	NA	SURFACE	505	

The well name, location and borehole reference data were furnished by the customer.

ELECTRICAL

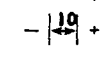
 A2207 Bureau of Geology U.S. G.E.	Location of Well	COMPANY. El Paso Nat. Gas Co.	COUNTY. Carbon A2207 FIELD OR UNIT. 11-13S-16E WELL. #6 Unit COMPANY. El Paso Nat. Gas
		WELL. #6 Unit	
		FIELD. Petara Point (W)	
		LOCATION. C NW 11-13S-16E	
		COUNTY. Carbon STATE. UTAH	

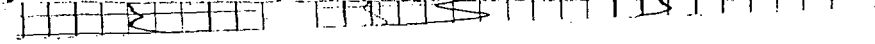
	One	Two			
DATE	7-11-55	7-30-55			
FIRST READING	3155 1/2	4685 3/4			
LAST READING	177	3155			
FORTAGE READING	2978	1530			
COR. SHOT SOUNLW	177				
COR. SHOT DRILLER	177				
MAX. DEPTH REACHED	3156	4686			
BOTTOM DRILLED	3159	4686			
DEPTH DOWN	KB	KB			
MUD NATURE	Gel	Gel			
DENSITY	9.4	10.0			
VISCOSITY	56	55			
RESISTIVITY	3.8 80	3.8 85			
RESISTIVITY UNIT	2.4 125	2.5 130			
PH. LOSS	7.5				
WATER LOSS	125 CC/30 MIN.	130 CC/30 MIN.			
MAXIMUM TEMP. °F	125	130			
BIT SIZE	7 7/8"	7 7/8"			
SPACINGS - IN	16"	16"			
A.M.	64"	64"			
NO.	18' 8"	18' 8"			
E. S. RIG TIME	1 hr.	1 hr.			
TRUCK NO.	782 GJ	782 GJ			
RECORDED BY	Rusen	Rusen			
INTERPRETED BY	Clutter	Dahn			

378

REMARKS
Mud smple. from flow line.

CARBON CO. EL PASO NAT. GAS #6 SPUD 6-13-55. 9-5/8" CSC AT 177 W/4
 (W) PETERS UNIT EL: 6825 GR. LOC TOPS: GREEN RIVER
 POINT SURFACE, WASATCH 2790. DST 2870-2900.
 13S-16E C NW 11 13S-16E 45 MIN, REC 15' MUD, FP 15#, SIP 20#, HP
 1440#. DST 2457-76, 1 HR, REC 20' MUD, 1034' SLIGHTLY GCM, FP 15#, SIP
 540#, HP 1240#. DST 4492-4536, 30 MIN, REC 20' MUD, HP 2400#. DST
 4545-4600, 30 MIN, REC 840' MUD, FP 300#, SIP 300#, HP 2450#. 4685 TD.
 Comp. 7-31-55. D & A.

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY -ohms. m ² /m	RESISTIVITY -ohms. m ² /m
		NORMAL	LONG NORMAL
	0	100	100
	0	1000	1000
	0	LATERAL	100
	0	1000	



Location of Well

COUNTY
FIELD or
LOCATION
WELL

WILSON
WILSON
FIELD
LOCATION SEC. 6 13S 17E
680 E/ML & 1980 S/NL
COUNTY CARBON
STATE UTAH

Elevation: D.F.: 6715
K.B.:
or G.L.: 6707
FILING No. 379

DATE	7/40				
Day	2128	10-28-52			
First Reading	271	8308	217		
		2128			
		6180			
		2051			
		2052			
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Schlumberger

INDUCTION ELECTRICAL LOG

COUNTY CARBON FIELD or LOCATION PETERS POINT WELL PETERS POINT UNIT #10 COMPANY KIMBARK OPERATING	COMPANY KIMBARK OPERATING COMPANY	
	WELL PETERS POINT UNIT #10	
	FIELD PETERS POINT	
	COUNTY CARBON	STATE UTAH
LOCATION 695 FNL 2620 FWL <i>NE NW</i>		Other Services: FDC-CNL-GR
Sec. 6	Twp. 13S	Rge. 17E
Permanent Datum: ---G.L. ---, Elev. 6733		Elev.: K.B. 6744
Log Measured From K.B. ---, 11 Ft. Above Perm. Datum		D.F. ---
Drilling Measured From K.B. ---		G.L. 6733
Date	9-13-74	
Run No.	ONE	
Depth—Driller	4840	
Depth—Logger	4846	
Btm. Log Interval	4840 22.6	
Top Log Interval	225	
Casing—Driller	8 5/8 @ 226	@ @ @
Casing—Logger	225	
Bit Size	7 7/8	
Type Fluid in Hole	FGM	
Dens.	8.9	33
pH	9	7 ml
Fluid Loss		ml
Source of Sample	CIRC	
R _m @ Meas. Temp.	3.73 @ 68 °F	@ °F @ °F @ °F
R _{mf} @ Meas. Temp.	2.99 @ 68 °F	@ °F @ °F @ °F
R _{mc} @ Meas. Temp.	2.0 @ 68 °F	@ °F @ °F @ °F
Source: R _{mf} R _{mc}	M C	
R _m @ BHT	2.41 @ 105 °F	@ °F @ °F @ °F
Time Since Circ.	-	
Max. Rec. Temp.	105 °F	°F °F °F °F
Equip. Location	7683 VRNI	
Recorded By	LUCACHICK	
Witnessed By	CARR	

DUCHESNE COUNTY



Induction-Electrical Log

COUNTY DUCHESNE FIELD or LOCATION SEC. 12-11S-14E WELL BADLANDS CLIFF # COMPANY PAN AMERICAN PETROLEUM CORP.	COMPANY PAN AMERICAN	Other Surveys MLL GRS
	PETROLEUM CORP.	Location of Well
	WELL BADLANDS CLIFF	
	# 1	
	FIELD WILDCAT	
LOCATION SEC. 12-11S-14E		Elevation: D.F.: K.B.: 7042 or G.L.: 7033
C SW SE		
COUNTY DUCHESNE		
STATE UTAH		FILING No. 381

RUN No.	ONE				
Date	10-12-60				
First Reading	4504 24.9				
Last Reading	330				
Feet Measured	4218				
Csg. Schlum.	336				
Csg. Driller	337				
Depth Reached	4510				
Bottom Driller	4500				
Depth Datum	K.B.				
Mud Nat.	GEL 7% OIL				
Dens. Visc.	10.2 45				
Mud Resist.	4.2 @ 74 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	2.6 @ 19 °F	@ °F	@ °F	@ °F	@ °F
Rmf M	3.7 @ 74 °F	@ °F	@ °F	@ °F	@ °F
Rmc M	4.3 @ 74 °F	@ °F	@ °F	@ °F	@ °F
pH	8 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	7.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	27' 2"				
IND.	5FF40				
Opr. Rig Time	2 HRS				
Truck No.	1527 VERNAL				
Recorded By	ZIVLEY				
Witness	ELDER				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Laterolog
WITH GAMMA RAY

COUNTY <u>DUCHESENE</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>BADLANDS CLIFF # 2</u> COMPANY <u>HUMBLE OIL & REFINING COMPANY</u>	COMPANY <u>HUMBLE OIL &</u> <u>REFINING COMPANY</u>	Other Surveys SGR/C
	WELL <u>BADLANDS CLIFF # 2</u>	Location of Well
	FIELD <u>WILDCAT</u>	382
	LOCATION <u>SEC. 22-11S-14E 7</u> <u>C SW NE</u>	Elevation: K.B.: <u>7243</u> D.F.: _____ or G.L.: <u>7231</u>
COUNTY <u>DUCHESENE</u>	STATE <u>UTAH</u>	x00

Log Depths Measured From K.B. 12 Ft. above G.L.

RUN No.	ONE		
Date	9-20-61		
First Reading	7764	23.7	
Last Reading	813		
Feet Measured	6951		
Csg. Schlum.	813		
Csg. Driller	813		
Depth Reached	7769		
Bottom Driller	7779		
Mud Nat.	SALT-STARCH-GEL		
Dens.	10.3	48	
Mud Resist.	.36 @ 80 °F	@ °F	@ °F
" Res. BHT	.20 @ 146 °F	@ °F	@ °F
" pH	8.2 @ °F	@ °F	@ °F
" Wtr. Loss	7.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	.25 @ 70 °F	@ °F	@ °F
" Rmc	.46 @ 70 °F	@ °F	@ °F
Bit Size	7 7/8"		
Laterolog	a= ;L= 30"	a= ;L=	a= ;L=
Laterolog	a= ;n=	a= ;n=	a= ;n=
Opr. Rig Time	3 HR.		
Truck No.	1517 V.		
Recorded By	DANIELS		
Witness	MURRAY		

Schlumberger

COMPENSATED NEUTRON FORMATION DENSITY

COUNTY DUCHE SNE FIELD STONE CABIN LOCATION NW SE WELL STONE CABIN UNIT II #33-32 COMPANY PACIFIC TRANSMISSION	COMPANY	PACIFIC TRANSMISSION SUPPLY		
	COMPANY			
	WELL	STONE CABIN UNIT II #33-32		
	FIELD	STONE CABIN		
	COUNTY	DUCHESNE	STATE	UTAH
LOCATION	NW SE			Other Services: BHC-GR DIL 383
API SERIAL NO	SEC.	TWP	RANGE	
	32	11S	14E	

Permanent Datum:	GL	Elev.:	6190	Elev.:	K.B. 6207
Log Measured From	KB		17 Ft. Above Perm. Datum		D.F. 6206
Drilling Measured From	KB				G.L. 6190

Date	9-18-74				
Run No.	ONE				
Depth-Driller	6435				
Depth-Logger	6375				
Btm. Log Interval	6374 22.9				
Top Log Interval	420				
Casing-Driller	10-3/4 @ 419		@	@	@
Casing-Logger	420				
Bit Size	8-3/4				
Type Fluid in Hole	FGM				
Dens.	Visc.	9.9	45		
pH	Fluid Loss	12	14 ml	ml	ml
Source of Sample	CIRC				
Rm @ Meas. Temp.	1.11	@68 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.89	@68 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.9	@68 °F	@ °F	@ °F	@ °F
Source: Rmf	Rmc	M	C		
Rm @ BHT	.57	@125 °F	@ °F	@ °F	@ °F
TIME	Circulation Stopped	1500			
	Logger on Bottom	2330			
	Max. Rec. Temp.	125 °F	°F	°F	°F
Equip.	Location	7674	VRNL		
Recorded By	TAYLOR				
Witnessed By Mr.	STEWART /	SMITH			

SCHLUMBERGER INDUCTION ELECTRICAL LOG

COUNTY DUCHE SNE FIELD or LOCATION WILDCAT WELL #1 MIAMI STATE COMPANY MIAMI OIL PROD., INC.	COMPANY MIAMI OIL PRODUCERS, INCORPORATED		
	WELL NO. 1 MIAMI STATE 513		
	FIELD WILDCAT		
	COUNTY DUCHE SNE	STATE UTAH	
LOCATION C SW SW 13		Other Services: SLC-GR	
Sec. 2	Twp. 11S	Rge. 15E	
Permanent Datum: GL, Elev. 7124		Elev.: K.B. 7136	
Log Measured From KB, 12 Ft. Above Perm. Datum		D.F.	
Drilling Measured From KB		G.I. 7124	
Date	9-18-67		
Run No.	ONE		
Depth—Driller	4860		
Depth—Logger	4860		
Btm. Log Interval	4859 26.6		
Top Log Interval	235		
Casing—Driller	8 5/8@ 236	@	@
Casing—Logger	235		
Bit Size	7 7/8"		
Type Fluid in Hole	FGM		
Dens.	Visc.	9.4 71	
pH	Fluid Loss	9.0	6.8 ml
Source of Sample	FLOW LINE		
R _m @ Meas. Temp.	3.45 @ 67 °F	@	°F
R _{mf} @ Meas. Temp.	3.0 @ 67 °F	1.7 @ 116 °F	@ °F
R _{mc} @ Meas. Temp.	---- @ -- °F	1.9 @ 116 °F	@ °F
Source: R _{mf} R _{mc}	M C		
R _m @ BHT	2.1 @ 116 °F	@	°F
Time Since Circ.	3 HOURS		
Max. Rec. Temp.	116 °F	°F	°F
Equip. Location	4529 VERNAL		
Recorded By	HANDLEY		
Witnessed By	SCOBEY		

The well name, location and borehole reference data were furnished by...

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

COUNTY DUCHESNE
 FIELD or LOCATION WILDCAT
 WELL # 1-A MIAMI FEDERAL 427
 COMPANY MIAMI OIL PROD., INC.

COMPANY MIAMI OIL PRODUCERS, INCORPORATED

WELL NO. 1-A MIAMI FEDERAL 427

FIELD WILDCAT

COUNTY DUCHESNE STATE UTAH

LOCATION 729' FNL & 571' NWL
 NW NW
 Sec. 3 Twp. 11S Rge. 16E

Other Services:
 IES
 FDC
385

Permanent Datum: GL, Elev. 6918
 Log Measured From KB, 12 Ft. Above Perm. Datum
 Drilling Measured From KB

Elev.: K.B. 6930
 D.F.
 G.L. 6918

Date	8-25-67					
Run No.	1					
Depth—Driller	5287					
Depth—Logger	5296					
Btm. Log Interval	5295 293					
Top Log Interval	239					
Casing—Driller	8 5/8@	239	@	@	@	@
Casing—Logger	239					
Bit Size	7 7/8					
Type Fluid in Hole	CHEM GEL					
Dens.	9.6	40				
Visc.						
pH	9.0	6.0 ml		ml	ml	ml
Fluid Loss						
Source of Sample	FLOW LINE					
R _m @ Meas. Temp.	2.60@	80 °F	@ °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	1.52@	80 °F	0.95 @ 130 °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	--- @	-- °F	1.30 @ 130 °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{mc}	M	C				
R _m @ BHT	1.50@	130 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	6 HOURS					
Max. Rec. Temp.	130	°F	°F	°F	°F	°F
Equip. Location	4544	VERNAL				
Recorded By	PROBST					
Witnessed By	SCOBEY					

MAST 766 187

The well name, location and borehole reference data were furnished by the customer.

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY DUCHESNE FIELD or LOCATION WILDCAT WELL BENCH-FEDERAL # 1 COMPANY HUMBLE OIL & REFINING COMPANY	COMPANY	HUMBLE OIL & REFINING COMPANY	Other Surveys S/GR/CAL Location of Well 1980 FN/L 660 FE/L Elevation: D.F.: K.B.: 6570 CP. 22 or G.L.: 6557 FILING No. 386
	WELL	BENCH-FEDERAL # 1	
	FIELD	WILDCAT	
	LOCATION	SEC. 29-115-101	
	COUNTY	DUCHESNE	
	STATE	UTAH	

RUN No.	ONE				
Date	11-29-61				
First Reading	7955 ²⁰⁷				
Last Reading	709				
Feet Measured	7246				
Csg. Schlum.	709				
Csg. Driller	708				
Depth Reached	7756				
Bottom Driller	7750				
Depth Datum	M.B.				
Mud Nat.	LOW SOLID				
Dens. Visc.	9.9 72				
Mud Resist.	3.4 @ 58 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.5 @ 133 °F	@ °F	@ °F	@ °F	@ °F
" Rmf (M)	3.4 @ 57 °F	@ °F	@ °F	@ °F	@ °F
" Rmc (M)	3.5 @ 54 °F	@ °F	@ °F	@ °F	@ °F
" pH	8.7 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.3 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
MN	34' 6"				
IND.	6FF 40				
Opr. Rig Time	2 1/2 HRS.				
Truck No.	1593 VERTICAL				
Recorded By	WARNER				
Witness	RUBARTS				

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



Induction-Electrical Log

COUNTY FIELD or LOCATION WELL COMPANY	COMPANY	MONSANTO CHEM. CO.	Other Surveys	SL
		LION OIL DIVISION	Location of Well	FIELD PRINT
	WELL	MAVERICK #1	Elevation: D.F.:	K.B.: 5618
			or G.L.:	5608
	FIELD	WILDCAT	FILING No.	382
	LOCATION	SEC. 27-11S-17E		
	NW NE			
COUNTY	DUCHE SNE			
STATE	UTAH			

RUN No.	ONE				
Date	11-18-60				
First Reading	5998.23				
Last Reading	227				
Feet Measured	5771				
Csg. Schlum.	227				
Csg. Driller	227				
Depth Reached	6004				
Bottom Driller	6001				
Depth Datum	K. B				
Mud Nat.	CHEM.				
Dens. Visc.	10 80				
Mud Resist.	3.4 @ 57 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	2.6 @ 125 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.9 @ 67 °F	@ °F	@ °F	@ °F	@ °F
Rmc	3.1 @ 67 °F	@ °F	@ °F	@ °F	@ °F
" pH	8 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	27'2"				
IND.	5FF40				
Opr. Rig Time	1 1/2 HR				
Truck No.	1517				
Recorded By	DANIELS				
Witness	HERROD				

Co.

EMERY COUNTY

B-13-1-E-3
#5023

Schlumberger

DUAL INDUCTION LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY EMERY FIELD or LOCATION BOOK CLIFFS WELL NELSON UNIT NO. 1 COMPANY CHEVRON OIL CO.

COMPANY CHEVRON OIL COMPANY

WELL NELSON UNIT NO. 1

FIELD BOOK CLIFFS WILDCAT

COUNTY EMERY STATE UTAH

Location. SE/NW 1587' FNL & 1924' FWL API Serial No. _____

Sec. 3 Twp. 16S Rge. 15E

Other Services:
BHC-GR
CNL/FDC-GR
389

Permanent Datum: GROUND LEVEL, Elev.: 6635

Log Measured From KB, Ft. Above Perm. Datum _____

Drilling Measured From KB

Elev.: K.B. 6647
D.F. 6546
G.L. 6635

Date	11/18/74	11/26/74	12/9/74	
Run No.	ONE	TWO	THREE	
Depth-Driller	3790	4350	8752	
Depth-Logger	3783	4340	8753	
Btm. Log Interval	3777 ^{23.6}	4334 ^{23.1}	8747 ^{23.1}	
Top Log Interval	316	3650	4341	
Casing-Driller	13-3/4 @ 317	13-3/4 @ 317	9 5/8 @ 4343	@
Casing-Logger	316	N.R.	4341	
Bit Size	12-1/4	12 1/4	8 3/4	
Type Fluid in Hole	FRESH GEL	SEMI-DISP.	DEXTRID-CELL	EX-GEL
Fluid Level	FULL	IN CSG.	FULL	
Dens.	9.2	43	9.0	52
Visc.	10.0	64 ml	10.5	7.2 ml
pH	11.0		11.0	5.6 ml
Fluid Loss				
Source of Sample	CIRCULATED	FLOWLINE	PIT	
R _m @ Meas. Temp.	2.10 @ 74 °F	2.54 @ 64 °F	2.50 @ 52 °F	@
R _{mf} @ Meas. Temp.	2.02 @ 76 °F	1.81 @ 74 °F	1.46 @ 55 °F	@
R _{mc} @ Meas. Temp.	2.28 @ 74 °F	1.98 @ 74 °F	2.00 @ 52 °F	@
Source: R _{mf} R _{mc}	M M	MUD	PRESS MEAS.	CALC.
R _m @ BHT	1.55 @ 100 °F	1.5 @ 106 °F	802 @ 162 °F	@
Time Since Circ.	2 HOURS	CIRC.	15-1/2 HRS.	
Max. Rec. Temp.	100 °F	106 °F	152 °F	
Equip. Location	3719 FARM	5602 4111	7699 PARK	
Recorded By	HUGHES	ETTER	N. MOSS	
Witnessed By	KELLY-SCHLL	NG-KELLY-MCLEAN	ROFF	

SCHLUMBERGER

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

DRILL HOLE COMPENSATED

GAMMA RAY

COUNTY EMERY
 FIELD or LOCATION WILDCAT
 WELL MARSH FLAT
 UNIT NO. 1
 COMPANY PLACID OIL CO.

COMPANY PLACID OIL COMPANY

WELL MARSH FLAT UNIT NO. 1

FIELD WILDCAT

COUNTY EMERY STATE UTAH

LOCATION

1980 FNL 1980 FEL

Sec. 29 Twp. 17S Rge. 14E

Other Services:

I-ES
 FIT

389

Permanent Datum: G. L., Elev. 4751

Log Measured From K. B., 14 Ft. Above Perm. Datum

Drilling Measured From K. B.

Elev.: K.B. 4765

D.F. 4764

G.L. 4751

Date	1-4-65			
Run No.	ONE			
Depth—Driller	8506.8			
Depth—Logger	8520			
Btm. Log Interval	8510 21.4			
Top Log Interval	410			
Casing—Driller	412 @ 133/8	@	@	@
Casing—Logger	410			
Bit Size	9" TO 4964 & 83/4 TO T D.			
Type Fluid in Hole	CHEM GEL			
Dens.	9.6	43		
pH	10.5	6.8ml	ml	ml
Source of Sample	MUD PIT			
R _m @ Meas. Temp.	1.12 @ 75 °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	.66 @ 75 °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	1.12 @ 75 °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{mc}	M C			
R _m @ BHT	@ 151 °F	@ °F	@ °F	@ °F
Time Since Circ.	3 1/2 HOUR			
Max. Rec. Temp.	151 °F	°F	°F	°F
Equip. Location	4544 VERNAL			
Recorded By	MAYWELL			
Witnessed By	WHITE			

SCHLUMBERGER WELL SURVEYING CORP.
 Route 2 Box 199-S
 Vernal, Utah

TIGHT

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL	EMERY WILDCAT RANGE CREEK # 1-27	COMPANY PACIFIC NATURAL GAS EXPLORATION CO.	COMPANY <u>PACIFIC NATURAL</u> <u>GAS EXPLORATION CO.</u>	Other Surveys S-GR/C GRN
			WELL <u>RANGE CREEK # 1-27</u>	Location of Well
			FIELD <u>WILDCAT</u>	Elevation: D.F.: _____ K.B.: 4820 or G.L.: 4811
			LOCATION <u>SEC. 27-17S-16E</u> <u>1830' FNL 2115' FWL</u> <i>SEND</i>	FILING No. <u>390</u>
COUNTY <u>EMERY</u>	STATE <u>UTAH</u>			

RUN No.	ONE	TWO	THREE		
Date	7-12-62	9-10-62	11-6-62		
First Reading	1545 <i>54.3</i>	5485 <i>22.9</i>	8479 <i>20.4</i>		
Last Reading	40	1547	5486		
Feet Measured	1505	3938	2993		
Csg. Schlum.	----	1547	5486		
Csg. Driller	24	1549	5482		
Depth Reached	1546	5486	8480		
Bottom Driller	1543	5487	8478		
Depth Datum	KB	KB	KB		
Mud Nat.	CHEM-GEL	CHEM-GEL	CHEM-GEL		
Dens. Visc.	9.4 60	9.3 72	9.2 40		
Mud Resist.	1.9 @ 97°F	2.6 @ 75°F	0.9 @ 69°F	@ °F	@ °F
" Res. BHT	1.9 @ 97°F	1.7 @ 118°F	0.43 @ 146°F	@ °F	@ °F
Rmf	1.3 @ 97°F	2.46 @ 73°F	0.66 @ 67°F	@ °F	@ °F
Rmc	1.7 @ 97°F	1.7 @ 118°F	1.31 @ 100°F	@ °F	@ °F
" pH	11 @ °F	10.0 @ °F	10.5 @ °F	@ °F	@ °F
" Wtr. Loss	10.2 CC 30 min.	7.6 CC 30 min.	9.7 CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	12 1/4"	12 1/4"	8 3/4"		
Spcgs.—AM	16"	16"	16"		
MN	34'6"	34'6"	34'6"		
IND.	6FF40	6FF40	6FF40		
Opr. Rig Time	1 HOUR	2 HOURS	1 HOUR		
Truck No.	3529 GJ	3529 GJ	2517 V		
Recorded By	MONTGOMERY	MONTGOMERY	LEDY		
Witness	MILLER	MILLER	TAYLOR		

FOLD HERE

SCHLUMBERGER**INDUCTION - ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>EMERY, UTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>WOODSIDE UNIT # 2</u> COMPANY <u>HUMBLE OIL & REFINING COMPANY</u>	COMPANY <u>HUMBLE OIL & REFINING COMPANY</u>	Other Surveys <u>S-GR-C, CDM</u>
	WELL <u>WOODSIDE UNIT # 2</u>	Location of Well <u>SEC 30-18S-14E</u> <u>820' FSL-595' FWL</u>
	FIELD <u>WILDCAT</u>	Elevation: K.B.: <u>5131</u> D.F.: <u>5130</u> or G.L.: <u>5114</u>
	LOCATION <u>SEC 30-18S-14E</u> <u>SW - SW</u>	
	COUNTY <u>EMERY</u>	
	STATE <u>UTAH</u>	FILING No. <u>391</u>

RUN No.	ONE				
Date	12-21-62				
First Reading	7082 18.3				
Last Reading	711				
Feet Measured	6371				
Csg. Schlum.	711				
Csg. Driller	711				
Depth Reached	7083				
Bottom Driller	7083				
Depth Datum	K. B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.1 55				
Mud Resist.	0.62 @ 68 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	0.35 @ 122 °F	@ °F	@ °F	@ °F	@ °F
Rmf	0.39 @ 66 °F	@ °F	@ °F	@ °F	@ °F
Rmc	0.96 @ 66 °F	@ °F	@ °F	@ °F	@ °F
" pH	12.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	8.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9 7/8" TO 4247; 7 7/8" TO T.D.				
Spcgs.—AM	16"				
MN	34 1/2'				
IND.	6FF40				
Opr. Rig Time	5 HOURS				
Truck No.	3529 G.J.				
Recorded By	WARNER				
Witness	BILINGS & HYLAND				

SCHLUMBERGER

DRILLING FLUIDS

SUMMIT DRILLING (WITH GAUGER)

COUNTY EMERY FIELD or LOCATION WILDCAT WELL WITTER FEDERAL NO. 1 COMPANY SHAMROCK OIL & GAS	COMPANY THE SHAMROCK OIL AND GAS CORPORATION		
	WELL WITTER FEDERAL NO. 1		
FIELD WILDCAT		COUNTY EMERY STATE UTAH	
LOCATION 1239' FNL & 1570' FEL Sec. 19 Twp. 18S Rge. 15E		Other Services: 21L8 392	
Permanent Datum: G.L., Elev. 4584 Log Measured From K.B., 19 Ft. Above Perm. Datum Drilling Measured From K.B.		Elev.: K.B. 4603 D.F. 4602 G.L. 4584	
Date	8-3-66		
Run No.	ONE		
Depth—Driller	9896		
Depth—Logger	9891		
Btm. Log Interval	9884 22.9		
Top Log Interval	2000		
Casing—Driller	9 5/8 @ 311	@	@
Casing—Logger	311		
Bit Size	8 3/4"		
Type Fluid in Hole	FRESH GEL		
Dens.	Visc.	9.2 65	
pH	Fluid Loss	10.2	6.8 ml
Source of Sample	PIT		
R _m @ Meas. Temp.	.112 @ 82 °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	.085 @ 82 °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	-- @ -- °F	@ °F	@ °F
Source: R _{mf} R _{mc}	P --		
R _m @ BHT	.055 @ 175 °F	@ °F	@ °F
Time Since Circ.	8 HOURS		
Max. Rec. Temp.	175 °F		
Equip. Location	4544 VERNAL		
Recorded By	MAXWELL		
Witnessed By	ISBELL & WITTER		

Schlumberger

SONIC LOG

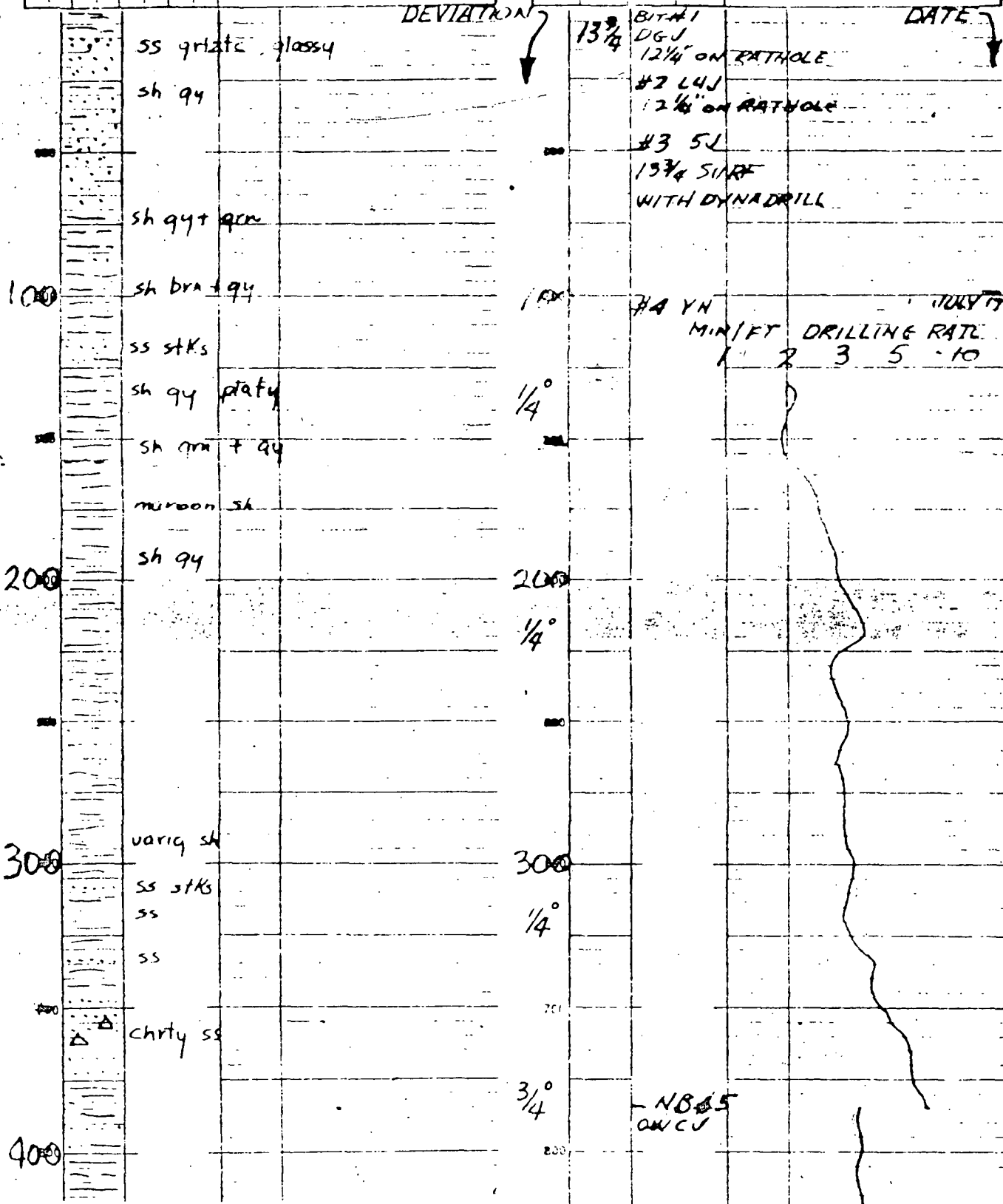
COUNTY EMERY FIELD or LOCATION WILDCAT U.S. NO. 1 NORRIS WELL FEDERAL COMPANY GULF OIL CO. - U.S.	COMPANY <u>GULF OIL COMPANY - U.S.</u>			
	WELL <u>U.S. NO. 1 NORRIS FEDERAL</u>			
	FIELD <u>WILDCAT</u>			
	COUNTY <u>EMERY</u>	STATE <u>UTAH</u>		
LOCATION: API Serial No. <u>02945</u> <u>750' FNL, 2500' FWL</u>		Other Services: <u>IES/DIL COM.</u> <u>CALIPER</u>		
Sec. <u>8</u>	Twp. <u>18S</u>	Rge. <u>16E</u> <i>NEW</i>		
Permanent Datum: <u>GL</u> ; Elev.: <u>6262</u> Log Measured From <u>KB</u> , <u>23</u> Ft. Above Perm. Datum Drilling Measured From <u>KB</u>		Elev.: K.B. <u>6285</u> D.F. <u>6284</u> G.I. <u>6262</u>		
Date	<u>1-28-74</u>	<u>2-23-74</u>	<u>4-19-74</u>	<u>6-11-74</u>
Run No.	<u>ONE</u>	<u>TWO</u>	<u>THREE</u>	<u>FOUR</u>
Depth-Driller	<u>2430</u>	<u>6490</u>	<u>11471</u>	<u>12865</u>
Depth-Logger	<u>2437</u>	<u>6492</u>	<u>11452</u>	<u>12856</u>
Btm. Log Interval	<u>2434</u>	<u>6490</u> <i>18.5</i>	<u>11450</u> <i>21.3</i>	<u>12854</u> <i>22.8</i>
Top Log Interval	<u>300</u>	<u>2426</u>	<u>6450</u>	<u>11450</u>
Casing-Driller	<u>20" @ 44</u>	<u>13-3/8@2432</u>	<u>9-5/8@6465</u>	<u>9-5/8@6465</u>
Casing-Logger	<u>----</u>	<u>2426</u>	<u>6480</u>	<u>----</u>
Bit Size	<u>17-1/2</u>	<u>12-1/4</u>	<u>8-1/2</u>	<u>8-1/2</u>
Type Fluid in Hole	<u>F.G.M.</u>	<u>F.G.M.</u>	<u>F.G.M.</u>	<u>F.G.M.</u>
Dens.	<u>9.6</u>	<u>9.3</u>	<u>9.1</u>	<u>9.2</u>
Visc.	<u>51</u>	<u>42</u>	<u>36</u>	<u>35</u>
pH	<u>---</u>	<u>---</u>	<u>---</u>	<u>10.5</u>
Fluid Loss	<u>---</u> ml	<u>---</u> ml	<u>---</u> ml	<u>5.3</u> ml
Source of Sample	<u>CIRC.</u>	<u>FLOWLINE</u>	<u>PIT</u>	<u>CIRC.</u>
R _m @ Meas. Temp.	<u>3.01 @ 80 °F</u>	<u>3.25 @ 70 °F</u>	<u>.22 @ 72 °F</u>	<u>.21 @ 81 °F</u>
R _{mf} @ Meas. Temp.	<u>2.72 @ 80 °F</u>	<u>2.27 @ 70 °F</u>	<u>.18 @ 72 °F</u>	<u>.30 @ 81 °F</u>
R _{mc} @ Meas. Temp.	<u>---- @ -- °F</u>	<u>2.62 @ 70 °F</u>	<u>---- @ -- °F</u>	<u>.21 @ 81 °F</u>
Source: R _{mf} R _{mc}	<u>M --</u>	<u>M C</u>	<u>M --</u>	<u>M C</u>
R _m @ BHT	<u>---- @ -- °F</u>	<u>1.83 @ 117 °F</u>	<u>.07 @ 185 °F</u>	<u>.08 @ 212</u>
TIME Circulation Stopped	<u>4 HRS.</u>	<u>9 HRS.</u>	<u>7 HRS.</u>	<u>15 HRS.</u>
Max. Rec. Temp.	<u>----</u> °F	<u>117</u> °F	<u>185</u> °F	<u>212</u> °F
Equip. Location	<u>5602 G.J.</u>	<u>5619 FARM.</u>	<u>5602 G.J.</u>	<u>7683 VERN.</u>
Recorded By	<u>BARGHOUT!</u>	<u>DENOO</u>	<u>BARGHOUT!</u>	<u>TAYLOR</u>
Witnessed By	<u>JOHNSON</u>	<u>JOHNSON</u>	<u>JOHNSON</u>	<u>BELT</u>

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

SKYLINE OIL CO.
FED 2-1
 S. E. T. 15 S. R. 14 E
 EMERY
 COMMENCED **13 JULY 1970**
 COMPLETED **31 AUG 1970**
 ELEVATION **5033 E.** CABLE **5046 KB** PRODUCTION
 ROTARY
 REMARKS

SKYLINE OIL CO. FED 2-1
 CSW SEC 8 T15S R14E
397
 EMERY CO. UT. BE. 100 GA No
 S. T. R.
CONTR LOFFLAND BRGS
 COMMENCED _____ 19____
 COMPLETED _____ 19____
 ELEVATION _____ CABLE _____ PRODUCTION
 ROTARY
 Log by **G.S. CAMPBELL**
 REMARKS



SCHLUMBERGER

WELL INDUCTION LATEROLOG

COUNTY <u>EMERY</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>FED. NO. 8-1 WOODSIDE DOME</u> COMPANY <u>SKYLINE OIL CO.</u>	COMPANY <u>SKYLINE OIL COMPANY</u> WELL <u>FEDERAL NO. 8-1 WOODSIDE DOME</u> FIELD <u>WILDCAT</u> COUNTY <u>EMERY</u> STATE <u>UTAH</u> LOCATION <u>1365' FSL & 1296' FWL</u> <i>SE NW 1/4</i> Sec. <u>8</u> Twp. <u>19 S</u> Rge. <u>14 E</u> Other Services: <u>FDC-GR, SMP</u> <u>394</u>				
Permanent Datum: <u>GL</u> , Elev. <u>5033</u> Log Measured From <u>KB 13</u> Ft. Above Perm. Datum Drilling Measured From <u>KB</u>					
Elev.: <u>K.B. 5046</u> <u>MB</u> D.F. <u>5033</u> G.L. <u>5033</u>					
Date	8-30-70				
Run No.	ONE				
Depth—Driller	6525				
Depth—Logger	6528				
Btm. Log Interval	6522 22.1				
Top Log Interval	517				
Casing—Driller	10 3/4 @ 517	@	@	@	@
Casing—Logger	517				
Bit Size	8 3/4				
Type Fluid in Hole	F.M.				
Dens.	Visc.	9.4	44		
pH	Fluid Loss	11.5	10.3 ml	ml	ml
Source of Sample	FLOWLINE				
R _m @ Meas. Temp.	2.54 @ 84 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	.293 @ 84 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	-- @ -- °F	@	°F	@	°F
Source: R _{mf} R _{mc}	M --				
R _m @ BHT	1.64 @ 130 °F	@	°F	@	°F
Time Since Circ.	4 HOURS				
Max. Rec. Temp.	130 °F		°F		°F
Equip. Location	4544	VERNAL			
Recorded By	BEVAN				
Witnessed By	MESSRS. CAMPBELL & SPJUT				



INDUCTION • ELECTRIC LOG

COMPANY CALIFORNIA TIME PETROLEUM

WELL BARRIER BANK #1

FIELD WILD CAT

COUNTY EMERY STATE UTAH

Location SW 1/4 - SE 1/4
671 N - 458 E of SW 1/4 CR.

Sec. 11 Twp 19S Rge 14E

Other Services:
AUL-GAM
395

Permanent Datum GROUND LEVEL Elev. 5005

Log Measured From K.B. 10 Ft. Above Perm. Datum

Drilling Measured From KELLY BUSHING

Elev.: K.B. 5015
 D.F. _____
 G.I. 5005

Date	7-19-68				
Run No.	ONE				
Depth-Driller	8030				
Depth-Welex	8023				
Btm. Log Inter.	8018 2AB				
Top Log Inter.	SURF				
Casing-Driller	10 3/4" @ 340	@	@	@	@
Casing-Welex	342				
Bit Size	7 7/8"				
Type Fluid in Hole	MUD				
Dens. Visc.	9.4 42				
pH Fluid Loss	- ml		ml		ml
Source of Sample	CIAC				
R ₁₀₀₀ @ Meas. Temp.	1.0 @ 86 °F	@	°F	@	°F
R ₅₀₀ @ Meas. Temp.	.72 @ 92 °F	@	°F	@	°F
R ₁₀₀ @ Meas. Temp.	.90 @ 70 °F	@	°F	@	°F
Source R ₁₀₀₀ R ₁₀₀	PRESS				
R ₁₀₀₀ @ BHT	.55 @ 160 °F	@	°F	@	°F
Time Since Circ.					
Max. Rec. Temp.	160 °F @ B.H.	°F @		°F @	°F @
Equip. Location	4002 FAOM				
Recorded By	L. CHOATE				
Witnessed By	MR. BRANNAN				



ACOUSTIC VELOCITY LOG

COMPANY - CALIFORNIA TIME PETROLEUM WELL - BARRIER BANK #1 FIELD - W.C. County - EMERY State - UTAH	COMPANY - CALIFORNIA TIME PETROLEUM			
	WELL - BARRIER BANK #1			
	FIELD - WILDCAT			
	COUNTY - EMERY STATE - UTAH			
Location			Other Services:	
SW/4 SE/4 671 N 458 E OF S/4 CR			NONE	
Sec. 11 Twp 19 S Rge 14 E			395	
Permanent Datum - GROUND LEVEL Elev. 5005'			Elev.: K.B. 5015'	
Log Measured From - KELLY BUSHING Ft. Above Perm. Datum			D.F. _____	
Drilling Measured From - KELLY BUSHING			G.I. 5005'	
Date	7-27-68			
Run No.	TWD			
Depth-Driller	8795			
Depth-Welex	8788			
Btm. Log Inter.	8781 ^{2A.3}			
Top Log Inter.	7800			
Casing-Driller	10 ³ / ₄ @ 340'	@	@	@
Casing-Welex	NOT LOGGED			
Bit Size	7 ⁷ / ₈ "			
Type Fluid in Hole	MUD			
Dens. Visc.	9.5 45			
pH Fluid Loss	ml	ml	ml	ml
Source of Sample	PIT			
R ₁₀₀₀ @ Meas. Temp.	.20 @ 80 °F	@ °F	@ °F	@ °F
R ₂₀₀₀ @ Meas. Temp.	.12 @ 88 °F	@ °F	@ °F	@ °F
R ₃₀₀₀ @ Meas. Temp.	.14 @ 90 °F	@ °F	@ °F	@ °F
Source R ₁₀₀₀ R ₂₀₀₀	PRESS!			
R ₁₀₀₀ @ BHT	.10 @ 168 °F	@ °F	@ °F	@ °F
Time Since Circ.	4 hr.			
Max. Rec. Temp.	168 °F @ B.H.	°F @	°F @	°F @
Equip. Location	4000 FARM.			
Recorded By	J. PATERSON			
Witnessed By	MR. BRANYAN			

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



LATEROLOG

COUNTY EMERY FIELD or LOCATION WILDCAT WELL SPHINX #1-A COMPANY THE CARTER OIL COMPANY	COMPANY	THE CARTER OIL	Location of Well 35-19S-14E C SW NW (LL) GRN, CIS Elevation: D.F.: K.B.: 4654 or G.L.: 4643 FILING No. 396
	COMPANY		
	WELL	SPHINX 1-A	
	FIELD	WILDCAT	
	LOCATION	SEC 35-19S-14E	
		C SW NW	
COUNTY	EMERY		
STATE	UTAH		

RUN No.	TWO		
Date	12/24/57		
First Reading	8736	16.8	
Last Reading	4500		
Feet Measured	4236		
Csg. Schlum.			
Csg. Driller	2012		
Depth Reached	8740		
Bottom Driller	8737		
Depth Datum	KB		
Mud Nat.	GEL BASE		
" Density	11.0		
" Viscosity	53		
" Resist.	.05 @ 81°F	@ °F	
" Res. BHT	.03 @ 141°F	@ °F	
" pH	@ °F	@ °F	
" Wtr. Loss	0 CC 30 min.	CC 30 min.	
Max. Temp. °F	141		
Bit Size	9"		
	AM 16"		
Opr. Rig Time	3 HRS.		
Truck No.	2783 CRTZ		
Recorded By	RICHARDSON		
Witness	NELSON		



Electrical Log

COUNTY EMERY FIELD or LOCATION WILDCAT WELL SPHINX #1-A COMPANY THE CARTER OIL COMPANY	COMPANY	THE CARTER OIL COMPANY	Other Surveys	NONE
	WELL	SPHINX #1-A	Location of Well	
	FIELD	WILDCAT	Elevation: D.F.:	
	LOCATION	SEC. 35 19S 14E	K.B.:	4654
		C SW NW	or G.L.:	4643
	COUNTY	EMERY	FILING No.	5JR 396
	STATE	UTAH		

RUN No.	ONE				
Date	11-17-57				
First Reading	6902 ^{22.7}				
Last Reading	2015				
Feet Measured	4887				
Csg. Schlum.	2015				
Csg. Driller	2012				
Depth Reached	6903				
Bottom Driller	6894				
Depth Datum	KB				
Mud Nat.	CHEM. GEL				
Dens. Visc.	9.9 49				
Mud Resist.	0.6 @ 67 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	0.29 @ 137 °F	@ °F	@ °F	@ °F	@ °F
Rmf	-- @ -- °F	@ °F	@ °F	@ °F	@ °F
Rmc	-- @ -- °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"				
Spcgs.—AM	16"				
A	64"				
AO	18' 8"				
Opr. Rig Time	2 HRS				
Truck No.	1517 GJ				
Recorded By	ZIVLEY				
Witness	NELSON				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY EMERY FIELD or LOCATION WILDCAT WELL SPHINX #1 COMPANY CARTER OIL COMPANY	COMPANY	CARTER OIL	Other Surveys: ML
	COMPANY		
	WELL	SPHINX #1	Location of Well
	FIELD	WILDCAT	
	LOCATION	SEC. 35 19S 14E	
		C SW NW	Elevation: D.F.: -- K.B.: 4656 or G.L.: --
COUNTY	EMERY		
STATE	UTAH	FILING No. 5 JA 396	

RUN No.	ONE				
Date	7-24-57				
First Reading	3740 26.8				
Last Reading	178				
Feet Measured	3572				
Csg. Schlum.	178				
Csg. Driller	174				
Depth Reached	3741				
Bottom Driller	3740				
Depth Datum	KB				
Mud Nat.	CHEM. GEL				
Dens. Visc.	9.5 42				
Mud Resist.	2.0 @ 92 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	1.64 @ 110 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.38 @ 110 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.98 @ 110 °F	@ °F	@ °F	@ °F	@ °F
pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	8.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9 7/8" - 3640 - 9" - TD				
Spcgs. — AM	16"				
A	64"				
AO	18' 8"				
Opr. Rig Time	2 HRS				
Truck No.	1523 GJ				
Recorded By	MIXA				
Witness	NELSON				

Schlumberger

GAMMA RAY-NEUTRON
BOREHOLE COMPOSITE SONIC

COUNTY FIELD or LOCATION WELL COMPANY	EMERY	WILDCAT	CLINTON OIL COMPANY
	FEDERAL NO. 1	FEDERAL NO. 1	FEDERAL NO. 1
	USA THOMAS-WALSH	USA THOMAS-WALSH	USA THOMAS-WALSH
	CLINTON OIL CO.	CLINTON OIL CO.	CLINTON OIL CO.
COMPANY		CLINTON OIL COMPANY	
WELL		FEDERAL NO. 1 U. S. A. THOMAS-WALSH	
FIELD		WILDCAT	
COUNTY		EMERY STATE UTAH	
LOCATION		SE-SE	
Sec. 14		Twp. 19S Rge. 15E	
		Other Services: DIL	
		397	

Permanent Datum: GL	Elev. 6060	Elev.: K.B. 6075 D.F. 6074 G.L. 6060
Log Measured From KB	15 Ft. Above Perm. Datum	
Drilling Measured From KB		

Date	1-4-75	3-13-75		
Run No.	ONE	TWO		
Depth - Driller	4821	10798		
Depth - Logger	4601	10814		
Btm. Log Interval	4600 24.2	10812 18.2		
Top Log Interval	100			
Casing - Driller	@	@	@	@
Casing - Logger				
Bit Size	9-5/8	7-7/8		
Type Fluid in Hole	AIR MIST	FGM		
Dens.				
Visc.				
pH				
Fluid Loss				
Source of Sample				
R _m @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{mc}				
R _m @ BHT	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	3 HOURS	3 HOURS		
Max. Rec. Temp.	112 °F	159 °F		
Equip. Location	5602 GJ	5602 GJ		
Recorded By	LAUDE	WALKLEY-GEIGER		
Witnessed By	NANCE	NANCE		

SCHLUMBERGER

DUAL INDUCTION LATEROLOG

COUNTY EMERY FIELD or LOCATION WILDCAT WELL FEDERAL NO. 1 COMPANY TOLEDO MINING CO.	COMPANY TOLEDO MINING COMPANY		
	WELL FEDERAL NO. 1		
	FIELD WILDCAT		
	COUNTY EMERY	STATE UTAH	
LOCATION NW 1/4	Other Services: SNP-GR DIL 398		
Sec. 33	Twp. 20 S	Rge. 14 E	
Permanent Datum: GL	Elev. ----	Elev.: K.B. ---	
Log Measured From KB	10 Ft. Above Perm. Datum	D.F. ---	
Drilling Measured From KB		<i>J.W.</i> G.L. ---	
Date	1-18-69	2-5-69	
Run No.	ONE	TWO	
Depth-Driller	7000	7450	
Depth-Logger	6996	7450	
Btm. Log Interval	6992 ^{26.6}	7446 ^{18.1}	
Top Log Interval	202	7000	
Casing-Driller	10 3/4 @ 202	10 3/4 @ 202	@ @
Casing-Logger	202	202	
Bit Size	7-7/8	7-7/8	
Type Fluid in Hole	SALT MUD	SALT MUD	
Dens.	10.6	7.1	
Visc.	7	9 ml	
pH	7	9 ml	
Fluid Loss	7	9 ml	
Source of Sample	FLOWLINE	FLOWLINE	
R _m @ Meas. Temp.	0.088 @ 68 °F	0.06 @ 65 °F	@ °F
R _{mf} @ Meas. Temp.	0.056 @ 68 °F	0.05 @ 65 °F	0.027 @ 125 °F
R _{mc} @ Meas. Temp.	--- @ --- °F	--- @ --- °F	0.4 @ 125 °F
Source: R _{mf} R _{mc}	M ---	M C	
R _m @ BHT	0.043 @ 130 °F	0.032 @ 125 °F	@ °F
Time Since Circ.	10 HOURS	4 HOURS	
Max. Rec. Temp.	130 °F	125 °F	°F
Equip. Location	3860 FARM.	4529 VERNAL	
Recorded By	G. SCHULTZ	PROBST	
Witnessed By	L. WELLS	QUIGLEY	

Schlumberger

COMPENSATED NEUTRON FORMATION DENSITY

COUNTY <u>EMERY</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>NO. 1 STATE-GRN</u> COMPANY <u>KEWANEE OIL CO.</u>	COMPANY <u>KEWANEE OIL COMPANY</u> WELL <u>NO. 1 STATE-GRN</u> FIELD <u>WILDCAT</u> COUNTY <u>EMERY</u> STATE <u>UTAH</u>																																																																																																																								
Location: Sec. <u>17</u> Twp. <u>20S</u> Rge. <u>16E</u>	Other Services: DIL GRN <u>399</u>																																																																																																																								
Permanent Datum: <u>G.L.</u> ; Elev.: <u>4197</u> Log Measured From <u>C.M.</u> <u>0</u> Ft. Above Perm. Datum Drilling Measured From <u>CEMENT MARKER</u>	Elev.: K.B. <u>4207</u> D.F. <u>--</u> G.L. <u>4197</u>																																																																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Date</td><td><u>8-16-74</u></td><td></td><td></td><td></td></tr> <tr><td>Run No.</td><td><u>ONE</u></td><td></td><td></td><td></td></tr> <tr><td>Depth-Driller</td><td><u>3553</u></td><td></td><td></td><td></td></tr> <tr><td>Depth-Logger</td><td><u>2703</u></td><td></td><td></td><td></td></tr> <tr><td>Btm. Log Interval</td><td><u>2640</u> <u>Ab³</u></td><td></td><td></td><td></td></tr> <tr><td>Top Log Interval</td><td><u>1350</u></td><td></td><td></td><td></td></tr> <tr><td>Casing-Driller</td><td><u>8-5/8@ 328</u></td><td>@</td><td>@</td><td>@</td></tr> <tr><td>Casing-Logger</td><td><u>328</u></td><td></td><td></td><td></td></tr> <tr><td>Bit Size</td><td><u>7-7/8</u></td><td></td><td></td><td></td></tr> <tr><td>Type Fluid in Hole</td><td><u>FGM</u></td><td></td><td></td><td></td></tr> <tr><td>Fluid Level</td><td><u>FULL</u></td><td></td><td></td><td></td></tr> <tr><td>Dens.</td><td><u>9.8</u></td><td><u>67</u></td><td></td><td></td></tr> <tr><td>pH</td><td><u>12.0</u></td><td><u>6.0ml</u></td><td>ml</td><td>ml</td></tr> <tr><td>Source of Sample</td><td colspan="4"><u>FLOWLINE</u></td></tr> <tr><td>R_{mm} @ Meas. Temp.</td><td><u>.94 @ 80 °F</u></td><td>@ °F</td><td>@ °F</td><td>@ °F</td></tr> <tr><td>R_{mf} @ Meas. Temp.</td><td><u>.53 @ 80 °F</u></td><td>@ °F</td><td>@ °F</td><td>@ °F</td></tr> <tr><td>R_{mc} @ Meas. Temp.</td><td><u>- @ - °F</u></td><td>@ °F</td><td>@ °F</td><td>@ °F</td></tr> <tr><td>Source: R_{mf} R_{mc}</td><td><u>M -</u></td><td></td><td></td><td></td></tr> <tr><td>R_m @ BHT</td><td><u>.63 @ 118 °F</u></td><td>@ °F</td><td>@ °F</td><td>@ °F</td></tr> <tr><td>Time Since Circ.</td><td><u>5 HOURS</u></td><td></td><td></td><td></td></tr> <tr><td>Max. Rec. Temp.</td><td><u>118 °F</u></td><td>°F</td><td>°F</td><td>°F</td></tr> <tr><td>Equip. Location</td><td><u>5660 F.M.</u></td><td></td><td></td><td></td></tr> <tr><td>Recorded By</td><td colspan="4"><u>GEIGER</u></td></tr> <tr><td>Witnessed By</td><td colspan="4"><u>HERRIN, QUIGLEY</u></td></tr> </table>		Date	<u>8-16-74</u>				Run No.	<u>ONE</u>				Depth-Driller	<u>3553</u>				Depth-Logger	<u>2703</u>				Btm. Log Interval	<u>2640</u> <u>Ab³</u>				Top Log Interval	<u>1350</u>				Casing-Driller	<u>8-5/8@ 328</u>	@	@	@	Casing-Logger	<u>328</u>				Bit Size	<u>7-7/8</u>				Type Fluid in Hole	<u>FGM</u>				Fluid Level	<u>FULL</u>				Dens.	<u>9.8</u>	<u>67</u>			pH	<u>12.0</u>	<u>6.0ml</u>	ml	ml	Source of Sample	<u>FLOWLINE</u>				R _{mm} @ Meas. Temp.	<u>.94 @ 80 °F</u>	@ °F	@ °F	@ °F	R _{mf} @ Meas. Temp.	<u>.53 @ 80 °F</u>	@ °F	@ °F	@ °F	R _{mc} @ Meas. Temp.	<u>- @ - °F</u>	@ °F	@ °F	@ °F	Source: R _{mf} R _{mc}	<u>M -</u>				R _m @ BHT	<u>.63 @ 118 °F</u>	@ °F	@ °F	@ °F	Time Since Circ.	<u>5 HOURS</u>				Max. Rec. Temp.	<u>118 °F</u>	°F	°F	°F	Equip. Location	<u>5660 F.M.</u>				Recorded By	<u>GEIGER</u>				Witnessed By	<u>HERRIN, QUIGLEY</u>			
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MAY 75-6

29.3

This location and borehole reference data were furnished by the customer.

Schlumberger

COMPENSATED NEUTRON
FORMATION DENSITY

COUNTY FIELD or LOCATION WELL COMPANY	EMERY	WILDCAT		DENISON-SKYLINE		FEDERAL 5-1		DENISON MINES LTD.	
	COMPANY DENISON MINES LIMITED								
	WELL DENISON-SKYLINE FEDERAL 5-1								
	FIELD WILDCAT								
COUNTY EMERY STATE UTAH									
Location:		API Serial No. 02953 SE/NE				Other Services:			
Sec. 5 Twp. 21S Rge. 14E						DIL BHC-GR FDC-GR 400			
Permanent Datum: GL		Elev.: 4568				Elev.: K.B. 4577			
Log Measured From KB		9 Ft. Above Perm. Datum				D.F. ----			
Drilling Measured From KB						G.L. 4568			
Date	3-2-74								
Run No.	ONE								
Depth-Driller	600								
Depth-Logger	5993								
Btm. Log Interval	5992 21.0								
Top Log Interval	1490								
Casing-Driller	7-5/8@ 1706			@	@	@	@	@	@
Casing-Logger	1704								
Bit Size	6-1/4								
Type Fluid in Hole	WATER								
Fluid Level	ABOVE 1704								
Dens.	Visc.	----	---						
pH	Fluid Los	----	-- ml		ml		ml		ml
Source of Sample									
R _{mm} @ Meas. Temp.	@	°F	@	°F	@	°F	@	°F	@
R _{mf} @ Meas. Temp.	@	°F	@	°F	@	°F	@	°F	@
R _{mc} @ Meas. Temp.	@	°F	@	°F	@	°F	@	°F	@
Source: R _{mf}	R _{mc}								
R _m @ BHT	@	°F	@	°F	@	°F	@	°F	@
Time Since Circ.	9 HRS.								
Max. Rec. Temp.	120 °F								
Equip.	5602 G J.								
Recorded By	BARGHOULT								
Witnessed By	CAMPBELL								

SCHLUMBERGER

GAMMA RAY - NEUTRON

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	EMERY, UTAH WILDCAT GRAND FAULT 14-24 THE SUPERIOR OIL COMPANY	COMPANY	THE SUPERIOR OIL COMPANY	
		WELL	GRAND FAULT UNIT 14-24	
		FIELD	WILDCAT	
		COUNTY	EMERY	STATE
Location:		SW	SW	Other Services: IES, SGR ML, CDM LL 401
Sec. 24		Twp. 21S	Rge. 15E	

Permanent Datum: <u>GL</u> ; Elev.: <u>4212</u>	Elev.: K.B. <u>4224</u>
Log Measured From <u>KB</u> , <u>12</u> Ft. Above Perm. Datum	D.F. _____
Drilling Measured From <u>KB</u>	<u>AC</u> G.L. <u>4212</u>

Date	2-22-61	4-11-61	5-17-61
Run No.	ONE	TWO	THREE
Type Log	GRN	GRN	GRN
Depth—Driller	6579	9593	10,606
Depth—Logger	6579	9595	10,606
Bottom logged interval	6578 20.5	9594 18.8	10,605 17.7
Top logged interval	90	6400	9,593
Type fluid in hole	NATIVE MUD	SALT SATUR.	SALT MUD
Salinity, PPM: Cl.	30,300	79,000	15.4 X 105
Density	9.9	10.9	10.1
Level	FULL	FULL	FULL
Max rec. temp., deg F.	125	150	154
Operating rig time	5 HOURS	3 HOURS	2 1/2 HOURS
Recorded by	MONTGOMERY	MONTGOMERY	NEVITT
Witnessed by	RAMSBURG	RAMSBURG	RAMSBURG

RUN No.	BORE-HOLE RECORD				CASING RECORD			
	Bit	From	To	Size	Wgt.	From	To	
1	17 1/2	SURF.	1010	13 3/8		SURF.	1010	
1	9	1010	6579					
2	9	CSG.	9595	13 3/8		SURF	1010	
3	9	CSG.	10606	"		0	1008	

SCHLUMBERGER**INDUCTION-ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL # 1 GREEN RIVER UNIT COMPANY SKYLINE OIL CO.	COMPANY	SKYLINE OIL COMPANY		
	WELL	# 1 GREEN RIVER UNIT		
	FIELD	WILDCAT		
	COUNTY	EMERY	STATE	UTAH
	LOCATION	NE - NW		Other Services: SGR-C, GRN AMP. 402
	Sec. 33	Twp. 21S	Rge. 16E	

Permanent Datum: G.L., Elev. 4267
 Log Measured From K.B., 15 Ft. Above Perm. Datum
 Drilling Measured From K.B.

Elev.: K.B. 4282
 D.F. -
 G.L. 4267

Date	2-16-65					
Run No.	ONE					
Depth—Driller	5600					
Depth—Logger	5601					
Btm. Log Interval	5600	19.9				
Top Log Interval	750					
Casing—Driller	13 3/8@	748	@	@	@	@
Casing—Logger	750					
Bit Size	8 3/4"					
Type Fluid in Hole	TRI - MULSO					
Dens.	Visc.	9.1	37			
pH	Fluid Loss	6.8	26.2ml	ml	ml	ml
Source of Sample	FLOW LINE					
R _m @ Meas. Temp.	1.94 @	75 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	1.16 @	75 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	- @ -	°F	@	°F	@	°F
Source: R _{mf} R _{mc}	F.P. A-4					
R _m @ BHT	1.35 @	112 °F	@	°F	@	°F
Time Since Circ.	3 HOURS					
Max. Rec. Temp.	112	°F		°F		°F
Equip. Location	4529 VERNAL					
Recorded By	HANDLEY					
Witnessed By	SPJUT					

SCHLUMBERGER

GAMMA RAY NEUTRON

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>EMERY, UTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL # <u>1 GREEN RIVER UNIT</u> COMPANY <u>SKYLINE OIL CO.</u>	COMPANY <u>SKYLINE OIL COMPANY</u>						
	WELL # <u>1 GREEN RIVER UNIT</u>						
	FIELD <u>WILDCAT</u>						
	COUNTY <u>EMERY</u> STATE <u>UTAH</u>						
Location: <u>NE - NW</u>		Other Services: <u>1-ES, SGR-C AMP.</u>					
Sec. <u>33</u> Twp. <u>21S</u> Rge. <u>16E</u>		<u>402</u>					
Permanent Datum: <u>G.L.</u> ; Elev.: <u>4267</u>		Elev.: K.B. <u>4282</u>					
Log Measured From <u>K.B.</u> , <u>15</u> Ft. Above Perm. Datum		D.F. <u>-</u>					
Drilling Measured From <u>K.B.</u>		G.L. <u>4267</u>					
Date	<u>3-11-65</u>						
Run No.	<u>ONE</u>						
Type Log	<u>GRN</u>						
Depth—Driller	<u>9621</u>						
Depth—Logger	<u>9635</u>						
Bottom logged interval	<u>9434 17.1</u>						
Top logged interval	<u>5400</u>						
Type fluid in hole	<u>SALT SATURATED</u>						
Salinity, PPM Cl.	<u>RM = .063 @ 77°</u>						
Density	<u>11.5</u>						
Level	<u>FULL</u>						
Max rec. temp., deg F.	<u>141</u>						
Operating rig time	<u>4 HOURS</u>						
Recorded by	<u>MONTGOMERY</u>						
Witnessed by	<u>BARDSLEY & SPJUT</u>						
RUN		CASING RECORD					
No.	Bit	From	To	Size	Wgt.	From	To
<u>1</u>	<u>8 3/4</u>	<u>CSG</u>	<u>T.D.</u>	<u>13 3/8</u>	<u>-</u>	<u>SURF</u>	<u>748</u>

SCHLUMBERGER

SONIC LOG GAMMA RAY

WITH CALIPER

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL FOREST-GOVERNMENT COMPANY EQUITY & FOREST	COMPANY EQUITY OIL COMPANY & FOREST OIL CORPORATION ET AL	
	WELL FOREST-GOVERNMENT # 1	
	FIELD WILDCAT	
	COUNTY EMERY	STATE UTAH
LOCATION NE NE 460' FNL - 530' FEL	Other Services:	100 903
Sec. 11 Twp. 23S Rge. 14E	I-ES, LL-3	
Permanent Datum: G.L., Elev. 4371		Elev.: K.B. 4383
Log Measured From K.B., 12 Ft. Above Perm. Datum		D.F. 4381
Drilling Measured From K.B.		G.L. 4371
Date	6-21-63	
Run No.	TWO	
Depth—Driller	7250	
Depth—Logger	7259	
Btm. Log Interval	7254 16.3	
Top Log Interval	5500	
Casing—Driller	10 3/4 @ 294	@ @ @
Casing—Logger	294	
Bit Size	8 3/4	
Type Fluid in Hole	SALT SATURATED	
Dens. Visc.	10.7 40	
pH Fluid Loss	6.8 26 ml	mi ml ml
Source of Sample	FLOW LINE	
R _m @ Meas. Temp.	.051 @ 97 °F	@ °F @ °F @ °F
R _{mi} @ Meas. Temp.	.036 @ 95 °F	@ °F @ °F @ °F
R _{mc} @ Meas. Temp.	.09 @ 116 °F	@ °F @ °F @ °F
Source: R _{mi} R _{mc}	FP IC	
R _m @ BHT	.042 @ 116 °F	@ °F @ °F @ °F
Time Since Circ.	6 HOURS	
Max. Rec. Temp.	116 °F	°F °F °F
Equip. Location	2598 G.J.	
Recorded By	MONTGOMERY	
Witnessed By	MARKHAM	

FOLD HERE

SCHLUMBERGER

SUNBELT LOG - MINNA - RAY

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston - Texas

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL FORREST - GOVERNMENT COMPANY EQUITY OIL CO.	COMPANY EQUITY OIL COMPANY	
	WELL FORREST-GOVERNMENT 1	
	FIELD WILDCAT	
	COUNTY EMERY	STATE UTAH
LOCATION NE - NE 460' FNL - 530' FEL		Other Services:
Sec. 11	Twp. 22S	Rge. 14E
Permanent Datum: G.L., Elev. 4317		Elev.: K.B. 4330
Log Measured From K.B., 12 Ft. Above Perm. Datum		D.F. 4331
Drilling Measured From K.B.		G.L. 4331
Date	6-3-63	
Run No.	ONE	
Depth—Driller	6100	
Depth—Logger	6105	
Btm. Log Interval	6100 16.1	
Top Log Interval	3000	
Casing—Driller	10 3/4 @ 294	@ @
Casing—Logger	-	
Bit Size	8 3/4"	
Type Fluid in Hole	GEL. -	
CHEMICAL		
Dens.	Visc.	9.3 57
pH	Fluid Loss	12.0 8.0 ml ml ml
Source of Sample FLOW LINE		
R _m @ Meas. Temp.	0.68 @ 75 °F	@ °F @ °F @ °F
R _{mf} @ Meas. Temp.	0.53 @ 75 °F	@ °F @ °F @ °F
R _{mc} @ Meas. Temp.	- @ - °F	@ °F @ °F @ °F
Source: R _{mf} R _{mc}	FP C	
R _m @ BHT	0.5 @ 105 °F	@ °F @ °F @ °F
Time Since Circ.	-	
Max. Rec. Temp.	105 °F	°F °F
Equip. Location	2598 G.J.	
Recorded By	MONTGOMERY	
Witnessed By	CULVER	

FOLD HERE

REMARKS

SCHLUMBERGER

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD OF LOCATION WELL COMPANY	COMPANY <u>Amay Petroleum Corp</u>		
	WELL <u>Green River Desert Unit # 4-7</u>		<u>PEA</u>
	FIELD <u>WC</u>		
	COUNTY <u>Emery</u> STATE <u>Utah</u>		
LOCATION <u>C SW/4 NE/4</u>		Other Services:	
Sec. <u>9</u> Twp. <u>22 S</u> Rge. <u>15 E</u>		<u>LL 404</u>	
Permanent Datum: _____, Elev. _____		Elev.: K.B. <u>4441.5</u>	
Log Measured From <u>KB</u> , _____ Ft. Above Perm. Datum		D.F. _____	
Drilling Measured From <u>KB</u>		G.L. <u>4427</u>	
Date	<u>1-6-67</u>		
Run No.	<u>050</u>		
Depth—Driller	<u>8991</u>		
Depth—Logger	<u>8992</u>		
Btm. Log Interval	<u>8400.162</u>		
Top Log Interval	<u>10</u>		
Casing—Driller	<u>1074 @ 600</u>	@	@
Casing—Logger	<u>600</u>		
Bit Size	<u>7 7/8</u>		
Type Fluid in Hole	<u>Salt Saturated Oil Emulsion</u>		
Dens.	Visc.	<u>10.4</u>	<u>42</u>
pH	Fluid Loss	<u>6.5</u>	<u>5.6 ml</u>
Source of Sample	<u>Circulated</u>		
R _m @ Meas. Temp.	<u>.08 @ 60 °F</u>	@ °F	@ °F
R _{mt} @ Meas. Temp.	<u>.05 @ 65 °F</u>	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>— @ °F</u>	@ °F	@ °F
Source: R _{mt} R _{mc}	<u>MP</u>		
R _m @ BHT	<u>.036 @ 140 °F</u>	@ °F	@ °F
Time Since Circ.	<u>13 hrs</u>		
Max. Rec. Temp.	<u>140 °F</u>	°F	°F
Equip.	Location	<u>2592 GJ</u>	
Recorded By	<u>Hamilton</u>		
Witnessed By	<u>Dadson</u>		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



SIMULTANEOUS

Gamma Ray-Neutron

COUNTY <u>EMERY</u> , UTAH FIELD or LOCATION <u>WILDCAT</u> WELL <u>FEDERAL #1</u> COMPANY <u>TEXAS EASTERN TRANSMISSION CORPORATION</u>	COMPANY <u>TEXAS EASTERN TRANSMISSION CORPORATION</u>	Other Surveys <u>LL LLM</u>
	WELL <u>FEDERAL #1</u>	Location of Well <u>1980' FR S/L</u> <u>1980' FR W/L</u> <u>SEC. 26-22S-1</u>
	FIELD <u>WILDCAT</u>	Elevation: D.F.: <u>435</u> K.B.: <u>--</u> or G.L.: <u>434</u>
	LOCATION <u>SEC. 26-22S-15E</u>	FILING No. <u>405</u>
	COUNTY <u>EMERY</u>	
	STATE <u>UTAH</u>	

Log Depths Measured From		KB	Ft. above
RUN NO.	ONE		
Date	11-1-57		
First Reading	8485	19.1	
Last Reading	32		
Footage Measured	8453		
Max. Depth Reached	8486		
Bottom Driller	8491		
Maximum Temp. °F.	40		
Fluid Nature	SALT		
Fluid Level	32		
Casing Size	3 5/8 in.	SURF.	262 in.
Casing Weight	lb.	to	lb.
Casing Size	in.	to	in.
Casing Weight	lb.	to	lb.
Bit Size	7 7/8 in.	CSG.	to T.D.
Bit Size	in.	to	in.
No. Counters Used	TWO		
Type Equipment	GNAM-3		
Type Panel	C		
Opr. Rig Time	6 HRS		
Truck No.	1746 FARM		
Observer	HAMILTON		
Witness	CARTER		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY EMERY FIELD or LOCATION WILDCAT WELL FEDERAL #1 COMPANY TEXAS EASTERN CORP. TRANSMISSION CORP.	COMPANY TEXAS EASTERN	Other Surveys
	TRANSMISSION CORP.	ML
	WELL FEDERAL #1	Location of Well
	FIELD WILDCAT	
	LOCATION SEC. 26 22S 15E ^{NE SW}	
	1980' N/SL & 1980' E/WL	Elevation: D.F.: K.B.: 4356 or G.L.: 4344
	COUNTY EMERY	
	STATE UTAH	FILING No. 905

RUN No.	ONE				
Date	9-16-57				
First Reading	5911 ^{19.4}				
Last Reading	230				
Feet Measured	5681				
Csg. Schlum.	230				
Csg. Driller	262				
Depth Reached	5912				
Bottom Driller	5913				
Depth Datum	KB				
Mud Nat.	CHEM. GEL				
Dens. Visc.	9.4 @ 45				
Mud Resist.	2.4 @ 83 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.74 @ 114 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.12 @ 114 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.98 @ 114 °F	@ °F	@ °F	@ °F	@ °F
" pH	6.8 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.5 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
A	64"				
AO	18' 8"				
Opr. Rig Time	2 HRS				
Truck No.	1523 GJ				
Recorded By	MIXA				
Witness	CARTER				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON TEXAS



Laterolog

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL NINE MILE - GOV'T #29-4 COMPANY AMERICAN METAL CLIMAX & SINCLAIR OIL & GAS	COMPANY AMERICAN METAL	Other Surveys
	CLIMAX & SINCLAIR OIL & GAS	GRN - SL
	WELL NINE MILE - GOV'T #29-4	Location of Well SEC. 29-22S-15E NW NW
	FIELD WILDCAT	
	LOCATION SEC. 29-22S-15E NW NW	
COUNTY EMERY	Elevation: K.B.: 4419	
STATE UTAH	D.F.: or G.L.: 4405	

Log Depths Measured From K.B. 14 Ft. above G.L.

RUN No.	ONE			
Date	12-2-61			
First Reading	6198			
Last Reading	6164			
Feet Measured	6034			
Csg. Schlum.	164			
Csg. Driller	165			
Depth Reached	6201			
Bottom Driller	6201			
Mud Nat.	GEL-CHEM			
Dens. Visc.	9.2 32			
Mud Resist.	0.394 @ 67 °F			
Res. BHT	0.23 @ 120 °F			
pH				
Wir. Loss	8.6 CC 30 min			
Rmf	0.267 @ 69 °F			
Rmc	1.48 @ 69 °F			
Bit Size	9"			
Laterolog	3			
Laterolog	7			
Opr. Rig Time	2 HOURS			
Truck No.	3529 GJ			
Recorded By	MONTGOMERY			
Witness	HUBBARD			

Reproduced By
Rocky Mountain Well Log Service
Dallas 2, Texas

REFERENCE K4497B



20 COMPLETION RECORD

SPUD DATE _____

COMP DATE _____

DST RECORD _____

CASING RECORD _____

LOGGING RECORD _____

SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON TEXAS

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL NINE MILE - GOV'T #29-4 COMPANY AMERICAN METAL CLIMAX & SINCLAIR OIL & GAS	COMPANY AMERICAN METAL	Other Surveys
	CLIMAX & SINCLAIR OIL & GAS	LL - GRN
	WELL NINE MILE - GOV'T #29-4	Location of Well SEC. 29-22S-15E NW NW
	FIELD WILDCAT	
	LOCATION SEC. 29-22S-15E NW NW	
COUNTY EMERY	Elevation: K.B.: 4419	
STATE UTAH	D.F.: or G.L.: 4405	

Log Depths Measured From K.B. 14 Ft. above G.L.

RUN No.	ONE			
Date	12-2-61			
First Reading	6198			
Last Reading	6100			
Feet Measured	2896			
Csg. Schlum.	164			
Csg. Driller	165			
Depth Reached	6202			
Bottom Driller	6201			
Mud Nat.	GEL-CHEM			
Dens. Visc.	9.2 32			
Mud Resist.	0.394 @ 67 °F			
Res. BHT	0.23 @ 120 °F			
pH				
Wir. Loss	8.6 CC 30 min			
Rmf	0.267 @ 69 °F			
Bit Size	9"			
Spacing:				
T.R.R.	3300	To TD	To	To
T.R.R.		To	To	To
Opr. Rig Time	2 HOURS			
Truck No.	3529 GJ			
Recorded By	MONTGOMERY			
Witness	HUBBARD			

Reproduced By
Rocky Mountain Well Log Service
Dallas 2, Texas

REFERENCE K4497C



COMPLETION RECORD

SPUD DATE _____

COMP DATE _____

DST RECORD _____

CASING RECORD _____

406

Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON
FORMATION DENSITY

COUNTY EMERY FIELD WILDCAT LOCATION SE SE 862FSL 1044FEL WELL #1 JESSE'S TWIST COMPANY CABOT CORP	COMPANY <u>CABOT CORP</u>			
	WELL <u>#1 JESSE'S TWIST</u>			
	FIELD <u>WILDCAT</u>			
	COUNTY <u>EMERY</u>		STATE <u>UTAH</u>	
LOCATION SE SE 862FSL 1044FEL			Other Services: DIL. BHC-GR	
API SERIAL NO.	SEC.	TWP.	RANGE	407
	9	23S	14E	
Permanent Datum: <u>GL</u> ; Elev.: <u>4224.5</u>			Elev.: K.B. <u>4234.5</u>	
Log Measured From <u>KB</u> <u>10</u> Ft. Above Perm. Datum			D.F. <u>--</u>	
Drilling Measured From <u>KB</u>			G.L. <u>4224.5</u>	
Date	6-10-78		7-3-78	
Run No.	ONE		TWO	
Depth-Driller	3144		5446	
Depth-Logger	3152		5454	
Btm. Log Interval	3151 20.2		5456 23.1	
Top Log Interval	2000		3074	
Casing-Driller	9 5/8@ 705		9 5/8@ 705 @ @	
Casing-Logger	--		706	
Bit Size	8 3/4		7 7/8	
Type Fluid in Hole	FGM		FGM	
Dens.	9.2 50		9.1 41	
pH	10.5 15 ml		10.5 -- ml	
Source of Sample	MUDTANK		FLOWLINE	
Rm @ Meas. Temp.	2.75@ 80 °F		.620@ 85 °F @ °F	
Rmf @ Meas. Temp.	2.00@ 80 °F		.63 @ 85 °F @ °F	
Rmc @ Meas. Temp.	-- @ -- °F		-- @ -- °F @ °F	
Source: Rmf Rmc	M --		EMT --	
Rm @ BHT	1.86@ 86 °F		.431@ 122 °F @ °F	
TIME	Circulation Stopped 1700 6-10		0600	
	Logger on Bottom 0430 6-11		1200	
Max. Rec. Temp.	86 °F		122 °F °F	
Equip. Location	7759 G.J.		7759 G.J.	
Recorded By	GRTAYLOR		J. WALLACE	
Witnessed By Mr.	IRWIN		FERGUSON	

SWS-1872-J

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



SIMULTANEOUS

Gamma Ray-Neutron

COUNTY EMERY, UTAH	FIELD or LOCATION WILDCAT	WELL HATT #1	COMPANY LION OIL COMPANY	Other Surveys
			DIV. OF MONSANTO CHEM. CO.	MLL
COMPANY LION OIL COMPANY	DIV. OF MONSANTO CHEM. CO.	WELL HATT #1	LOCATION SEC. 19-23S-14E	Location of Well
		FIELD WILDCAT	760' NSL 660' WEL	
LOCATION SEC. 19-23S-14E			760' NSL 660' WEL	Elevation: D.F.: _____
COUNTY EMERY			STATE UTAH	K.B.: _____ or G.I.: 4378
FILING No. 408				

Log Depths Measured From KB Ft. above

RUN NO.	ONE	
Date	7/14/58	
First Reading	6061	20.1
Last Reading	587	
Footage Measured	5474	
Max. Depth Reached	6062	
Bottom Driller	6060	
Maximum Temp. °F.	118	
Fluid Nature	SALT BASE	
Fluid Level	FULL	
{ Casing Size	10 3/4 in.	in. }
{ Casing Weight	lb. }	lb. }
{ Casing Size	in. }	in. }
{ Casing Weight	lb. }	lb. }
Bit Size	99" in. CSG to 4749	in. to
Bit Size	7 7/8 in. 4749 to TD	in. to
No. Counters Used	SCINT	
Type Equipment	GNAM-5	
Type Panel	C	
Opr. Rig Time	3 HRS.	
Truck No.	2739 CRIZ.	
Observer	VAN METER	
Witness	MSSRS. BRUCE & GASKILL	

WELEX



INDUCTION-ELECTRIC LOG

COMPANY SHELL OIL COMPANY
 WELL CHAFFIN UNIT NO. 1
 FIELD EMERY COUNTY, UTAH
 County EMERY
 State UTAH
 File

COMPANY SHELL OIL COMPANY
 WELL CHAFFIN UNIT NO. 1
 FIELD EMERY COUNTY, UTAH
 COUNTY EMERY STATE UTAH

Location 5 - 59 SWSE
 785' FSL & 1980' FEL
 OF NW CORNER
 Sec. 21 Twp 23S Rge 15E

Other Logs
 RADIOACTIVE
 GUARD
 FORXO
 409

Permanent Datum KELLY BUSHING Elev. 4687.1'
 Log Measured From KELLY BUSHING
 Drilling Measured From KELLY BUSHING

Elevation
 KB 4687.1'
 DF 4685.9'
 GL 4676.9'

Run No.	ONE			
Date	7-20-59			
Total Depth Driller	5645'			
Total Depth Welex	5641'			
Csg. Shoe Driller	775'			
Csg. Shoe Welex	777'			
Survey Begins	5636' 21.0			
Survey Ends	777'			
Csg. Size	10-3/4"			
Bit Size	9"			

Mud Data - Type	WATER BASE GEL, STARCH, CAUSTIC SODA ASH			
Weight	9.5			
Viscosity	46			
Ph.	13 @ °F	@ °F	@ °F	@ °F
Wtr. Loss cc/ 30 min.	8 @ °F	@ °F	@ °F	@ °F
Res. @ Surface Temp.	.85 @ 88°F	@ °F	@ °F	@ °F
Res. @ Max. Hole Temp.	.69 @ 116°F	@ °F	@ °F	@ °F
Rmf.	.5 @ 116°F	@ °F	@ °F	@ °F
Rmc.	1.2 @ 116°F	@ °F	@ °F	@ °F
Source Mud Sample	CIRCULATED			
Recorded By	B. WRIGHT			
Witnessed By	MR. D. DAWSONGROVE			
Logging Tool No.	10058			

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL JAKY'S RIDGE #12-3 COMPANY MOBIL OIL COMPANY	COMPANY	MOBIL OIL COMPANY	Other Surveys	SGR-C
	WELL	JAKY'S RIDGE #12-3	Location of Well	SEC. 3-23S-16E 1820' FSL 830' FEL
	FIELD	WILDCAT	Elevation: D.F.:	
	LOCATION	SEC. 3-23S-16E 1820' FSL - 830' FEL	K.B.:	4038
	COUNTY	EMERY <i>NE SE</i>	or G.L.:	4025
STATE	UTAH	FILING No.	410	

RUN No.	ONE-IES	ONE-LL			
Date	7-16-61	8-15-61			
First Reading	5504 <i>21.5</i>	9449 <i>18.1</i>			
Last Reading	1018	5300			
Feet Measured	4486	4149			
Csg. Schlum.	1018	--			
Csg. Driller	1017	1017			
Depth Reached	5505	9454			
Bottom Driller	5500	9450			
Depth Datum	K.B.	K.B.			
Mud Nat.	*	**			
Dens. Visc.	--	10.0 4.1			
Mud Resist.	0.5 @ 88 °F	0.06 @ 93 °F	@ °F	@ °F	@ °F
" Res. BHT	0.38 @ 16 °F	0.04 @ 145 °F	@ °F	@ °F	@ °F
Rmf	-- @ -- °F	0.05 @ 93 °F	@ °F	@ °F	@ °F
Rmc	-- @ -- °F	0.17 @ 93 °F	@ °F	@ °F	@ °F
" pH	-- @ °F	-- @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	-- CC 30 min.	4.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"	9"			
Spcgs.—AM	16"	LL-3			
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 HRS	4 HRS			
Truck No.	1523 GJ	1523 GJ			
Recorded By	MONTGOMERY				
Witness	MCKINNON	CLINE			

FOLD HERE



Laterolog
WITH GAMMA RAY

COUNTY <u>EMERY, UTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>JAKY'S RIDGE #34-15</u> COMPANY <u>MOBIL OIL COMPANY</u>	COMPANY <u>MOBIL OIL</u>	Other Surveys
	COMPANY	<u>SGR-C</u>
	WELL <u>JAKY'S RIDGE</u>	Location of Well
	<u>#34-15</u>	<u>SEC. 15-23S-SW SE</u>
	FIELD <u>WILDCAT</u>	
	LOCATION <u>SEC. 15-23S-16E</u>	
	<u>SW SE</u>	411
	COUNTY <u>EMERY</u>	Elevation: K.B.: <u>40</u>
	STATE <u>UTAH</u>	D.F.: <u>40</u>
		or G.L.: _____

Log Depths Measured From K.B. Ft. above _____

RUN No.	<u>ONE</u>		
Date	<u>10-6-61</u>		
First Reading	<u>8440</u>	<u>16.6</u>	
Last Reading	<u>365</u>		
Feet Measured	<u>8075</u>		
Csg. Schlum.	<u>365</u>		
Csg. Driller	<u>360</u>		
Depth Reached	<u>8444</u>		
Bottom Driller	<u>8440</u>		
Mud Nat.	<u>CHEM-GEL (SALT SATURATED)</u>		
Dens.	<u>10.3</u>	<u>36</u>	
Visc.			
Mud Resist.	<u>0.07</u>	<u>@ 77</u>	F @ F @
Res. BHT	<u>0.04</u>	<u>@ 138</u>	F @ F @
pH	<u>--</u>	<u>@</u>	F @ F @
Wtr. Loss	<u>7.2</u>	<u>CC 30 min</u>	<u>CC 30 min</u> <u>CC 30</u>
Rmf	<u>0.045</u>	<u>@ 77</u>	F @ F @
Rmc	<u>0.22</u>	<u>@ 77</u>	F @ F @
Bit Size	<u>9"</u>		
Laterolog 3	<u>USED</u>	<u>a=</u>	<u>;L=</u> <u>a=</u> <u>;L=</u>
Laterolog 7	<u>a=</u>	<u>;n=</u>	<u>a=</u> <u>;n=</u>
Opr. Rig Time	<u>3 1/2 HOURS</u>		
Truck No.	<u>1523 GJ</u>		
Recorded By	<u>MONTGOMERY</u>		
Witness	<u>CLINE</u>		

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



MICRO LOGGING®

COUNTY FIELD or LOCATION WELL COMPANY	COMPANY <u>The Carter</u> <u>Oil Co.</u>	Other Surveys <u>13</u>
	WELL <u>Dugout Creek #1</u>	Location of Well
	FIELD <u>WC</u>	Elevation: D.F.: <u>413</u> K.B.: or G.L.: <u>4320</u>
	LOCATION <u>21-245-1AW</u> <u>2040' FSL & 585' FEL</u>	
	COUNTY <u>Emery</u> <i>NESE</i>	
	STATE <u>Utah</u>	

Log Depths Measured From		<u>15B</u>	Ft. above	
RUN No.	<u>One</u>			
Date	<u>1 Jan 1959</u>			
First Reading	<u>7645</u>	<u>265</u>		
Last Reading	<u>3200</u>		<u>2000</u>	<u>(Caliper only)</u>
Feet Measured	<u>4445</u>		<u>1200</u>	
Depth Reached	<u>7646</u>			
Bottom Driller	<u>764B</u>			
Mud Nat.	<u>Gyp-Base</u>			
Dens.	<u>9.9</u>	<u>55</u>		
Mud Resist.	<u>2.8</u>	<u>@ 70</u>	<u>°F</u>	<u>@ °F</u>
" Res. BHT	<u>0.86</u>	<u>@ 162</u>	<u>°F</u>	<u>@ °F</u>
" pH	<u>6.0</u>	<u>@</u>	<u>°F</u>	<u>@ °F</u>
" Wtr. Loss	<u>12.8</u>	<u>CC 30 min</u>	<u>CC 30 min</u>	<u>CC 30 min</u>
" Rmf	<u>0.55</u>	<u>@ 162</u>	<u>°F</u>	<u>@ °F</u>
" Rmc	<u>1.0</u>	<u>@ 162</u>	<u>°F</u>	<u>@ °F</u>
Mud Log: Rm	<u>1.2</u>			
Depth	<u>6950</u>			
Bit Size	<u>9"</u>			
Sonde Type	<u>PMO-A</u>			
Pad Type	<u>H</u>			
Opr. Rig Time	<u>4 hrs</u>			
Truck No.	<u>1523</u>			
Recorded By	<u>Ed Miza</u>			
Witness	<u>Ant.</u>	<u>Hendrickson</u>		

SCHLUMBERGER

MICROLOG
WILLIAMS-GARDNER

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY	EMERY	UTAH
FIELD or LOCATION	WILDCAT	
WELL	RUBY # 1	
COMPANY	ROY PLEDGER	
COMPANY	ROY PLEDGER	
COMPANY	ROY PLEDGER	
LOCATION	C - SW - NE	Other Services:
Sec. 15	1980' FNL - 1980' FEL Twp. 24S Rge. 16E	GRN, SL 414

Permanent Datum:	G.L.	Elev. 4272	Elev.: K.B. 4282
Log Measured From	K.B.	10 Ft. Above Perm. Datum	D.F. -
Drilling Measured From	K.B.		G.L. 4272

Date	1-25-65		
Run No.	ONE		
Depth—Driller	4611		
Depth—Logger	4617		
Btm. Log Interval	4616 12A		
Top Log Interval	3100		
Casing—Driller	9 5/8@ 170	@	@
Casing—Logger	-		
Bit Size	7 7/8"		
Type Fluid in Hole	GEL - CHEMICAL		
Dens.	9.6	42	
Visc.			
pH	8.5	16.2 ml	ml
Fluid Loss			
Source of Sample	FLOW LINE		
R _m @ Meas. Temp.	1.17 @ 74 °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	0.97 @ 64 °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	1.70 @ 74 °F	@ °F	@ °F
Source: R _{mf} R _{mc}	PRESS	PRESS	
R _m @ BHT	0.91 @ 95 °F	@ °F	@ °F
Time Since Circ.	5 HOURS		
Max. Rec. Temp.	95 °F	°F	°F
Equip.	2598	G. J.	
Location			
Recorded By	MONTGOMERY		
Witnessed By	PLEDGER & NORMAN		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



INDUCTION ELECTRICAL LATEROLOG

COUNTY FIELD or LOCATION WELL COMPANY	EMERY, UTAH	WILDCAT	SHELL OIL COMPANY	COMPANY	SHELL OIL COMPANY	Location of Well 1980' FR S/L 2793' FR E/L OF NW CORNER SEC. 19-24S-16E OTHER SURVEYS ML - GRN - VEL. Elevation: D.F.: 4772.6 K.B.: 4773.8 or G.L.: 4763.5 FILING No. <u>415</u>
	1	GRUVERS MESA # 1		WELL	GRUVERS MESA # 1	
				FIELD	WILDCAT	
				LOCATION	SEC. 19-24S-16E	
				COUNTY	EMERY	
				STATE	UTAH	

RUN No.	ONE IES	ONE LL
Date	10-15-58	11-25-58
First Reading	5320 14.5	8648 16.7
Last Reading	588	5320
Feet Measured	4732	3328
Csg. Schlum.	588	--
Csg. Driller	594	594
Depth Reached	5326	8651
Bottom Driller	5331	8677
Depth Datum	KB	KB
Mud Nat.	CHEM GEL	SALT BASE
" Density	9.7	10.5
" Viscosity	48	41
" Resist.	0.74 @ 84°F	0.72 @ 56°F
" Res. BHT	0.6 @ 105°F	0.33 @ 130°F
" pH	8.5 @ °F	10.5 @ °F
" Wtr. Loss	10 CC 30 min.	5 CC 30 min.
Max. Temp. °F	105	130
Bit Size	9"	9"
SPCG: AM	16"	16"
MN	27 1/2"	
IND	40"	
Opr. Rig Time	3 HRS.	2 HRS.
Truck No.	1517 G. JCT.	2516 FARM.
Recorded By	BACHMAN	WOOD
Witness	DAWSONGROVE KAZARIAN	

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



Induction-Electrical Log

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL TEMPLE SPRINGS UNIT #2 COMPANY TEXACO, INC.	COMPANY TEXACO, INC.	Other Surveys SRS S-GR, ML, CD
	WELL TEMPLE SPRINGS	Location of Well SEC. 22-25S-1 200' EAST C SE SW
	UNIT #2	
	FIELD WILDCAT	
	LOCATION SEC. 22-25S-14E 200' EAST OF C SE SW	Elevation: D.F.: K.B.: 477 or G.L.: 476
	COUNTY EMERY	FILING No. 416
STATE UTAH		

RUN No.	ONE				
Date	2-11-61				
First Reading	6991 14.5				
Last Reading	520				
Feet Measured	6471				
Csg. Schlum.	520				
Csg. Driller	518				
Depth Reached	6997				
Bottom Driller	7010				
Depth Datum	K.B. - 12' ABOVE G.L.				
Mud Nat.	GEL, CHEM				
Dens. Visc.	9.7 5.3				
Mud Resist.	1.4 @ 69°F	@ °F	@ °F	@ °F	@ °F
Res. BHT	0.8 @ 122°F	@ °F	@ °F	@ °F	@ °F
Rmf M	1.1 @ 72°F	@ °F	@ °F	@ °F	@ °F
Rmic M	2.1 @ 68°F	@ °F	@ °F	@ °F	@ °F
" pH	8.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs. — AM	16"				
MN	27' 2"				
IND.	5FF40				
Opr. Rig Time	3 HRS				
Truck No.	1523 GJ				
Recorded By	MONTGOMERY				
Witness	FISCHER				

SCHLUMBERGER

SONIC LOG - GAMMA RAY

(WITH CALIPER)

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY: EMERY, UTAH
 FIELD or LOCATION: WILDCAT
 WELL: NORTH SPRING WASH UNIT # 31-15
 COMPANY: SUPERIOR OIL CO.

COMPANY SUPERIOR OIL COMPANY

WELL NORTH SPRING WASH UNIT # 31-15

FIELD WILDCAT

COUNTY EMERY STATE UTAH

LOCATION C NW - NE
 660' FNL - 1980' FEL

Other Services:

417

Sec. 15 Twp. 25S Rge. 15E

LL, GRN, CDM

Permanent Datum: G.L., Elev. -

Log Measured From K.B., 12 Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev.: K.B. -

D.F. -

G.L. -

Date	8-9-63			
Run No.	ONE			
Depth—Driller	6470			
Depth—Logger	6470			
Btm. Log Interval	6469 16.1			
Top Log Interval	1517			
Casing—Driller	8 5/8@ 1520	@	@	@
Casing—Logger	1517			
Bit Size	7-7/8"			
Type Fluid in Hole	SALT			
	SATURATED			
Dens.	Visc.	10.2	63	
pH	Fluid Loss	6.0	1.4 ml	ml
Source of Sample	PITS			
R _m @ Meas. Temp.	.062 @ 82 °F	@	°F	@ °F
R _{mf} @ Meas. Temp.	.043 @ 82 °F	@	°F	@ °F
R _{mc} @ Meas. Temp.	.12 @ 108 °F	@	°F	@ °F
Source: R _{mf} R _{mc}	FP IC			
R _m @ BHT	.048 @ 108 °F	@	°F	@ °F
Time Since Circ.	-			
Max. Rec. Temp.	108 °F	°F	°F	°F
Equip. Location	2598 G.J.			
Recorded By	MONTGOMERY			
Witnessed By	GORDY			



Electrical Log

COUNTY EMERY FIELD or LOCATION WILDCAT WELL MOONSHINE UNIT #1 COMPANY STANDARD OIL CO. OF CALIFORNIA	COMPANY	STANDARD OIL CO.	Location of Well ML, L Elevation: D.F.: 5128 1/2 K.B.: or G.L.: 5120 FILING No. 5 418
	OF CALIFORNIA		
	WELL	MOONSHINE UNIT #1	
	FIELD	WILDCAT	
	LOCATION	SEC. 32 25S 15E	
		C NE SW	
	COUNTY	EMERY	
STATE	UTAH		

RUN No.	ONE	TWO	THREE		
Date	7-6-56	9-6-56	10-1-56		
First Reading	1393 44.6	4880 17.7	5787 21.7		
Last Reading	30	1393	4880		
Feet Measured	1363	3487	907		
Csg. Schlum.	--	859	--		
Csg. Driller	20	860	860		
Depth Reached	1394	4881	5788		
Bottom Driller	1400	4887	5791		
Depth Datum	DF	DF	DF		
Mud Nat.	CHEM. GEL	CHEM. GEL	CHEM. GEL		
" Density	70#/FT ³	71.5#/FT ³	70#/FT ³		
" Viscosity	47	48	52		
" Resist.	2.8@ 80°F	1.6@ 91°F	2.0@ 58°F	@ °F	@ °F
" Res. BHT	2.6@ 85°F	1.4@ 101°F	1.0@ 120°F	@ °F	@ °F
" pH	10.5@ °F	10@ °F	7.5@ °F	@ °F	@ °F
" Wtr. Loss	9.2 CC 30 min.	8 CC 30 min.	6.4 CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	85	101	120		
Bit Size	*	9 7/8"	**		
Spcgs.—AM	16"	16"	16"		
A	64"	64"	64"		
AO	18'8"	18'8"	18'8"		
Opr. Rig Time	1 HR	2 HRS	1 HR		
Truck No.	1517 GJ	1517 GJ	1517 GJ		
Recorded By	FERGUSON	FERGUSON	FERGUSON		
Witnessed By	DAVIDSON	DAVIDSON	DAVIDSON		

FOLD HERE

REMARKS
 RUNS 1, 2 & 3 MUD SAMPLE FROM FLOW LINE.
 * 13 3/4" - 160-9 3/8" - TD
 ** 9 3/4" - 5470-9" - 5781-7 3/4" - TD

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



INDUCTION-ELECTRICAL LOG WITH LATEROLOG

COUNTY EMERY FIELD or LOCATION WILDCAT WELL GRUVERS MESA #2 COMPANY SHELL OIL COMPANY	COMPANY	SHELL OIL COMPANY	Location of Well OTHER SURVEYS MLL, GRN, SL Elevation: D.F.: 4749 K.B.: 4751 or G.L.: 4738
	WELL	GRUVERS MESA #2	
	FIELD	WILDCAT	
	LOCATION	SEC. 10-25S-16E 1843.8' /W-696.7' /N	
	COUNTY	EMERY	FILING No. 419
	STATE	UTAH	

RUN No.	ONE - IES		ONE - LL		
Date	2-10-59		3-6-59		
First Reading	4538 _{26.3}		7382 _{26.5}		
Last Reading	573		4538		
Feet Measured	3965		2844		
Csg. Schlum.	573		---		
Csg. Driller	573		---		
Depth Reached	4544		7386		
Bottom Driller	4552		7390		
Depth Datum	KB - 13' ABOVE GL		KB		
Mud Nat.	GEL DRISCOSE		SATURATED SALT		
Dens. Visc.	9.3 37		10 60		
Mud Resist.	0.74 @ 59 °F	@ °F	0.09 @ 52 °F	@ °F	@ °F
Res. BHT	0.40 @ 114 °F	@ °F	0.07 @ 134 °F	@ °F	@ °F
Rmf	0.44 @ 114 °F	@ °F	0.04 @ 134 °F	@ °F	@ °F
Rmc	0.93 @ 114 °F	@ °F	0.04 @ 134 °F	@ °F	@ °F
pH	12 @ °F	@ °F	-- @ °F	@ °F	@ °F
Wtr. Loss	8.0 CC 30 min.	CC 30 min.	-- CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"		9"		
Spcgs. — AM	16"		LL 7	a=16" ; n=70"	
MN	27' 2"				
IND.	40"				
Opr. Rig Time	2 HRS		3 HRS		
Truck No.	2762 GJ		1517 GJ		
Recorded By	COVEY		COVEY		
Witness	WOODWARD		AUBERT		

FOLD HERE

Electrical Log

COUNTY EMERY
 FIELD or LOCATION WILDCAT
 WELL LOOKOUT POINT #1
 COMPANY STANDARD OIL CO.
 OF CALIFORNIA

COMPANY STANDARD OIL CO.

OF CALIFORNIA

WELL LOOKOUT POINT #1

FIELD WILDCAT

LOCATION SEC. 29 25S 16E

SE SW

COUNTY EMERY

STATE UTAH

Other Surveys

ML, GRN

Location of Well

Elevation: D.F.:
 K.B.: 4866
 or G.L.: 4853

FILING No. 5-J.P.
 420

RUN No.	ONE								
Date	9-21-57								
First Reading	5030 16.9								
Last Reading	352								
Feet Measured	4678								
Csg. Schlum.	352								
Csg. Driller	352								
Depth Reached	5031								
Bottom Driller	5032								
Depth Datum	KB								
Mud Nat.	GYP BASE								
Dens. Visc.	10.2 51								
Mud Resist.	0.6 @ 74 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	0.43 @ 103 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmf	.185 @ 103 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmc	0.49 @ 103 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
pH	7.4 @ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	6.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"								
Spcgs.—AM	16"								
A	64"								
AO	18'8"								
Opr. Rig Time	4 HRS								
Truck No.	1517 GJ								
Recorded By	ZIVLEY								
Address	PARKINSON								

Noted
 11-6 H

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REMARKS MUD SAMPLE FROM FLOW LINE.

RMF = 0.3 @ 630
 RMC = 0.8 @ 630

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



MICROLATEROLOG

COUNTY EMERY FIELD or LOCATION WILDCAT WELL LOOKOUT POINT #1 COMPANY STANDARD OIL CO. OF CALIFORNIA	COMPANY	STANDARD OIL CO.	Other Surveys ES, ML, LS & GRN
		OF CALIFORNIA	
	WELL	LOOKOUT POINT #1	Location of Well 420
	FIELD	WILDCAT	
	LOCATION	SEC. 29 25S 16E	
		SW SW	
COUNTY	EMERY	Elevation: D.F.: K.B.: 4866	
STATE	UTAH	537 or G.L.: 4853	

Log Depths Measured From KB 13 Ft. above GL

RUN No.	ONE		
Date	10-24-57		<i>Noted</i> <i>11-6 #</i>
First Reading	6698 ^{22.0}		
Last Reading	4800		
Feet Measured	1898		
Depth Reached	6701		
Bottom Driller	6701		
Mud Nat.	BRINE, GEL		
Dens.	1.12	64	
Visc.			
Mud Resist.	.12 @ 63 °F	@ °F	@ °F
" Res. BHT	.06 @ 132 °F	@ °F	@ °F
" pH	6.4 @ °F	@ °F	@ °F
" Wtr. Loss	-- CC 30 min	CC 30 min	CC 30 min
" Rmf	.026 @ 132 °F	@ °F	@ °F
" Rmc	.10 @ 132 °F	@ °F	@ °F
Bit Size	9"		
SPCG	9/16" X 9/16"		
Sonde Type	TYPE A		
Pad Type	H		
Opr. Rig Time	7 HRS		
Truck No.	1523 GJ		
Recorded By	RUSEN		
Witness	PARKINGTON		

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SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Sonic Log

COUNTY <u>EMERY</u> , UTAH FIELD or LOCATION <u>WILDCAT</u> WELL <u>SHANNON #1</u> COMPANY <u>ODESSA NATURAL GAS</u>	COMPANY <u>ODESSA NATURAL GAS</u>	Other Surveys <u>IES, ML, SRS</u>
	WELL <u>SHANNON #1</u>	Location of Well <u>SEC. 7-26S-14E</u> <u>C NW NW</u>
	FIELD <u>WILDCAT</u>	421
	LOCATION <u>SEC. 7-26S-14E</u> <u>C NW NW</u>	Elevation: K.B.: <u>5122</u> D.F.: <u>5121</u> or G.L.: <u>5112</u>
	COUNTY <u>EMERY</u>	
STATE <u>UTAH</u>		

Log Depths Measured From		<u>RKB</u>	<u>10</u>	Ft. above	<u>GL</u>
RUN No.	<u>ONE</u>				
Date	<u>11-5-59</u>				
First Reading	<u>5736</u>	<u>27.6</u>			
Last Reading	<u>436</u>				
Feet Measured	<u>5300</u>				
Csg. Schlum.	<u>436</u>				
Csg. Driller	<u>436</u>				
Depth Reached	<u>5748</u>				
Bottom Driller	<u>5750</u>				
Mud Nat:	<u>CHEM GEL</u>				
Dens.	<u>9.45</u>	<u>40</u>			
Visc.					
Mud Resist.	<u>1.1</u>	@ <u>50</u>	°F	@	°F
" Res. BHT	<u>0.4</u>	@ <u>138</u>	°F	@	°F
" pH	<u>12.0</u>	@	°F	@	°F
" Wtr. Loss	<u>6.4</u>	CC 30 min		CC 30 min	CC 30 min
" Rmf	<u>0.2</u>	@ <u>138</u>	°F	@	°F
Bit Size	<u>7 7/8"</u>				
Span: <u>3'</u>					
	CSG	To	TD	To	To
		To		To	To
Opr. Rig Time	<u>3 HOURS</u>				
Truck No.	<u>2783 CRIZ</u>				
Recorded By	<u>NEVITT</u>				
Witness	<u>MR. JOHNSON</u>				

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



MICROLOGGING®

COUNTY EMERY FIELD or LOCATION WILDCAT WELL NEQUOIA ARCH UNIT #3 COMPANY THE CARTER OIL COMPANY	COMPANY	THE CARTER OIL COMPANY	Other Surveys	IES, MLL, GR
	WELL	NEQUOIA ARCH	Location of Well	SEC. 26-26S-14E SE SE
	FIELD	WILDCAT		
	LOCATION	SEC. 26-26S-14E SE SE		
	COUNTY	EMERY		422
	STATE	UTAH		Elevation: D.F.: 564 K.B.: or G.L.: 563

Log Depths Measured From KB Ft. above

RUN No.	ONE	TWO
Date	7/4/58	8/6/58
First Reading	3000 40.1	6699 20.7
Last Reading	1391	2000
Feet Measured	1609	1749
Depth Reached	3001	6700
Bottom Driller	3972	6700
Mud Nat.	CHEMICAL	CHEMICAL
Dens. Visc.	9.5 44	9.6 68
Mud Resist.	2.0 @ 79 F	0.94 @ 78 F
" Res. BHT	1.4 @ 117 F	0.58 @ 127 F
" pH	11.0 @ F	10.5 @ F
" Wtr. Loss	9.0 CC 30 min	5.6 CC 30 min
" Rmf	1.3 @ 117 F	.38 @ 127 F
" Rmc	1.5 @ 117 F	.72 @ 127 F
Mud Log: Rm	1.65	.68
Depth	2300	6200
Bit Size	9"	9"
Sonde Type	PMS-A	PMS-A
Pad Type	H	H
Opr. Rig Time	1 HR.	2 HRS.
Truck No.	2739 CRTZ.	2791 CRTZ.
Recorded By	PHILLIPS	PHILLIPS
Witness	MR. FAUTIN	MR. CRONENWETT

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SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY EMERY, UTAH FIELD or LOCATION WILDCAT WELL NEQUOIA ARCH UNIT #7 COMPANY HUMBLE OIL AND REFINING COMPANY	COMPANY	HUMBLE OIL AND REFINING COMPANY	Other Surveys IES Location of Well SEC. 30-26S-14E SW SW 423 Elevation: K.B.: 5374 D.F.: 5373 or G.L.: 5364
	WELL	NEQUOIA ARCH UNIT #7	
	FIELD	WILDCAT	
	LOCATION	SEC. 30-26S-14E SW SW	
	COUNTY	EMERY	
	STATE	UTAH	

Log Depths Measured From K.B. 10 Ft. above G.L.

RUN No.	ONE		
Date	12-25-61		
First Reading	5998 21.9		
Last Reading	100		
Feet Measured	5898		
Csg. Schlum.	521		
Csg. Driller	521		
Depth Reached	6004		
Bottom Driller	6007		
Mud Nat.	CHEM-GEL		
Dens.	8.9	56	
Visc.			
Mud Resist.	1.84 @ 59 °F	@ °F	@ °F
" Res. BHT	0.96 @ 123 °F	@ °F	@ °F
" pH	12.0 @ °F	@ °F	@ °F
" Wtr. Loss	4.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	1.24 @ 61 °F	@ °F	@ °F
Bit Size	7 7/8"		
Spacing:			
T ₃ ' R ₁ 3' R ₂	CSG To TD	To	To
T R ₁ R ₂	To	To	To
Opr. Rig Time	6 1/2 HOURS		
Truck No.	3529 GJ		
Recorded By	LEDY		
Witness	BILLINGS		

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INDUCTION ELECTRICAL LOG

COUNTY EMERY FIELD or LOCATION WILDCAT USA-FEDERAL NO. 1 COMPANY HUNT PET. CORP.	COMPANY	HUNT PETROLEUM CORPORATION
	WELL	U.S.A. - FEDERAL NO. 1
	FIELD	WILDCAT
	COUNTY	EMERY STATE UTAH
	LOCATION	13
	Sec. 31 Twp. 26S Rge. 16E	Other Services: EDC-GR 424

Permanent Datum: G.L., Elev. 5143	Elev.: K.B. 5157
Log Measured From K.B., 14 Ft. Above Perm. Datum	D.F. ----
Drilling Measured From K.B.	G.L. 5143

Date	3-25-72			
Run No.	ONE			
Depth—Driller	5000			
Depth—Logger	4991			
Btm. Log Interval	4990 18.6			
Top Log Interval	2930			
Casing—Driller	9-5/8@2926	@	@	@
Casing—Logger	2930			
Bit Size	8-3/4			
Type Fluid in Hole	AIR - WATER			
Dens.	---	---		
Visc.	---	---		
pH	---	---	ml	ml
Fluid Loss	---	---	ml	ml
Source of Sample	-----			
R _m @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
Source: R _{mf} R _{mc}	---			
R _m @ BHT	--- @ --- °F	@ °F	@ °F	@ °F
Time Since Circ.	3 HOURS			
Max. Rec. Temp.	102 °F	°F	°F	°F
Equip. Location	5640 VERN.			
Recorded By	ED MIXA			
Witnessed By	RAY RUTLEDGE			

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



Sonic Log

COUNTY EMERY, UTAH
FIELD or LOCATION WILDCAT
WELL BOW KNOT UNIT #14-5
COMPANY SUPERIOR OIL COMPANY

COMPANY SUPERIOR OIL
COMPANY
WELL BOW KNOT UNIT #14-5
FIELD WILDCAT
LOCATION SEC. 5-26S-17E SW SW
COUNTY EMERY
STATE UTAH

Other Surveys
LL, GRN, CDM
Location of Well
SEC. 5-26S-17E SW SW
425
Elevation: K.B.: --
D.F.: --
or G.L.: --

Log Depths Measured From K.B. 9.5 Ft. above G.L.

RUN No.	ONE		
Date	1-15-62		
First Reading	6461 ^{16.4}		
Last Reading	837		
Feet Measured	5624		
Csg. Schlum.	837		
Csg. Driller	837		
Depth Reached	6465		
Bottom Driller	6469		
Mud Nat.	SALT-EMULSION		
Dens.	10.5		
Visc.			
Mud Resist.	0.064 @ 75 °F	@ °F	@ °F
" Res. BHT	0.045 @ 109 °F	@ °F	@ °F
" pH	6.0 @ °F	@ °F	@ °F
" Wtr. Loss	2.1 CC 30 min	CC 30 min	CC 30 min
" Rmf	0.043 @ 75 °F	@ °F	@ °F
Bit Size	7 7/8"		
Span:			
	3' 837 To 6461	To	To
	To	To	To
Opr. Rig Time	4 HOURS		
Truck No.	3529 GJ		
Recorded By	MONTGOMERY		
Witness	RAMSBURG		

WINTAH COUNTY



Induction-Electrical Log

COUNTY <u>UTAH</u> FIELD or LOCATION <u>SEC. 23-11S-19E</u> WELL <u>HILL CREEK #1</u> COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	Other Surveys <u>ML</u>
	WELL <u>HILL CREEK #1</u>	Location of Well
	FIELD <u>WILDCAT</u>	Elevation: D.F.: <u>-</u> K.B.: <u>-</u> or G.L.: <u>5795</u>
	LOCATION <u>SEC. 23-11S-19E</u> <u>NW NW 4</u>	FILING No. <u>926</u>
COUNTY <u>UTAH</u>	STATE <u>UTAH</u>	

RUN No.	ONE				
Date	6-21-60				
First Reading	5363 76.5				
Last Reading	253				
Feet Measured	5110				
Csg. Schlum.	253				
Csg. Driller	253				
Depth Reached	5369				
Bottom Driller	5369				
Depth Datum	K. B.				
Mud Nat.	GEL-CHEM				
Dens. Visc.	10.2 60				
Mud Resist.	1.5 @ 85 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.0 @ 123 °F	@ °F	@ °F	@ °F	@ °F
Rmf	0.84 @ 123 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.25 @ 123 °F	@ °F	@ °F	@ °F	@ °F
" pH	3.5 @ 1 °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs. — AM	16"				
MN	27'2"				
IND.	40" 5FF40				
Opr. Rig Time	1 1/2 HRS				
Truck No.	1517 VERNAL				
Recorded By	MATTHEWS				
Witness	THOMAS				

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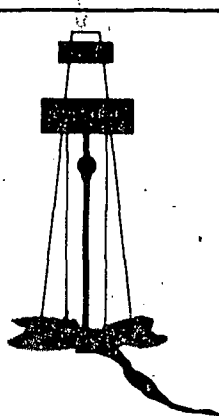
INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>ALGER PASS NO. 1</u> COMPANY <u>THE SHAMROCK OIL AND GAS CORPORATION</u>	COMPANY <u>THE SHAMROCK OIL AND GAS CORPORATION</u>	Other Surveys <u>SGR/C</u>
	WELL <u>ALGER PASS NO. 1</u>	Location of Well <u>//</u>
	FIELD <u>WILDCAT</u>	Elevation: D.F.: <u>K.B.: 5680</u> or G.L.: <u>5669</u>
	LOCATION <u>SEC. 29-T11S-R19E</u> <u>NW 5/8 2154' FEL, 2056' FSL</u>	FILING No. <u>427</u>
	COUNTY <u>UINTAH</u>	
STATE <u>UTAH</u>		

RUN No.	ONE				
Date	1-1-63				
First Reading	8638 23 ^b				
Last Reading	221				
Feet Measured	8417				
Csg. Schlum.	221				
Csg. Driller	220				
Depth Reached	8639				
Bottom Driller	8645				
Depth Datum	K.B.				
Mud Nat.	EMULSION				
Dens. Visc.	9.8 40				
Mud Resist.	2.3 @ 52°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	0.7 @ 158°F	@ °F	@ °F	@ °F	@ °F
Rmf	0.6 @ 158°F	@ °F	@ °F	@ °F	@ °F
Rmc	0.9 @ 158°F	@ °F	@ °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	8.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'-6"				
IND.	6FF40				
Opr. Rig Time	2 1/2 HRS				
Truck No.	2517 VERNAL				
Recorded By	LFDY				
Witness	THOMAS				

DRILL RETURNS LOGGING



COMPANY PACIFIC GAS TRANSMISSION COMPANY
 WELL NATURAL #1-7 API #43-047-30148
 FIELD WILDCAT
 LOCATION 1222' FNL & 1427 FEL
 SEC. 7, T11S, R21E SLB&M
 PROVINCE UTAH COUNTY, UTAH
 ELEVATION 5539' GL
 CORRECTED TO 5534 KB 5552

DATE FROM FEB. 6, 1973 TO APRIL 8, 1973
 LOGGING UNIT #5
 DEPTH FROM 352 TO 9828

CONTRACTOR SIGNAL DRILLING CO. INC. RIG # 11
 TOOL PUSHER CARL BAKER

MUD COMPANY TRI VALLEY MUD CO. TYPE MUD 0-3500 WATER
 3500-TD DAP

ENGINEER B. LEWIS

PUMPS #1 IDECO MM1000
 #2 NATIONAL C350

LOGGING ENGINEER T. WILSON, L. FIELDER

COMPANY ENGINEER ORAN RAMBO

COMPANY GEOLOGIST CHARLES FRY, MIKE SMITH, STEVE JAMES

ABBREVIATIONS

NB NEW BIT	TG TRIP GAS	F MUD FILTRATE <input type="checkbox"/> CC/30 MIN
RRB RERUN BIT	CG CONNECTION GAS	FC FILTER CAKE
CB CORE BIT	C CARBIDE	SD SAND CONTENT
CR CIRCULATE RETURNS	DST DRILL STEM TEST	S SALINITY <input type="checkbox"/> G/G _____
NR NO RETURNS	DST INTERVAL	<input checked="" type="checkbox"/> PPM _____
PR POOR RETURNS	■ CORE INTERVAL	R RESISTIVITY OF MUD
LAT LOGGED AFTER TRIP	W MUD WEIGHT	RF RESISTIVITY MUD FILTRATE
	V MUD VISCOSITY	

LITHOLOGY SYMBOLS

ONGL - MERATE	SAND-STONE	SILT-STONE	SHALE	COAL
E-STONE	DOLO-MITE	SALT	ANHY-DRITE	GYPSUM
NEOUS				

CASING RECORD

12 3/8 AT 339
9 5/8 AT 6559
 _____ AT _____

HOLE SIZE

17 1/2 0 TO 352
12 1/2 352 TO 6572
8 1/2 6572 TO 9828

DRILL RETURNS LOGGING - CHROMATOGRAPHIC GAS ANALYSIS

PPM MUD GAS	D E P	Lith- ology	PPM CUTTINGS GAS	PPM CUTTINGS GAS
C ₁ + C ₂ X .1			C ₃ ---	

428

Schlumberger

**DUAL INDUCTION-LATEROLOG
WITH LINEAR CORRELATION LOG**

COUNTY UINTAH COMPANY PACIFIC GAS TRANSMISSION COMPANY
 LOCATION WILDCAT WELL NATURAL NO. 1-7
 FIELD WILDCAT
 COUNTY UINTAH STATE UTAH

Location: *NW NE* 1571 FEL & 1168 FNL
 Sec. 7 Twp. 11S Rge. 21E *2*

Other Services:
 BHC/GR
 FDC/GR
 CNL/GR **928**

Permanent Datum: G.L.; Elev.: 5534
 Log Measured From K.B., 18 Ft. Above Perm. Datum
 Drilling Measured From K.B.

Elev.: K.B. 5552
 D.F. ----
 G.L. 5534

Date	3-4-73	4-7-73		
Run No.	ONE	TWO		
Depth-Driller	6550	9828		
Depth-Logger	6556	9818		
Btm. Log Interval	6550 <i>26.2</i>	9812 <i>23.4</i>		
Top Log Interval	354	6556		
Casing-Driller	13-3/8@357	9-5/8@6559	@	@
Casing-Logger	354	6556		
Bit Size	12-1/4	8-1/2		
Type Fluid in Hole	F.G.M.	CHEM GEL	8550 PPM SALT	
Fluid Level	FULL	FULL		
Dens.	9.7	38	9.5	39
Visc.				
pH	7.5	5.6 ml	7.5	5.2 ml
Fluid Loss				
Source of Sample	MUDPIT	SUPPLIED		
R _m @ Meas. Temp.	0.25 @ 69 °F	0.37 @ 75 °F	@	°F
R _{mf} @ Meas. Temp.	0.34 @ 69 °F	0.38 @ 75 °F	@	°F
R _{mc} @ Meas. Temp.	0.26 @ 69 °F	0.50 @ 75 °F	@	°F
Source: R _{mf} R _{mc}	M C	M C		
R _m @ BHT	0.12 @ 139 °F	0.16 @ 172 °F	@	°F
Time Since Circ.	5 HOURS	8 HOURS		
Max. Rec. Temp.	139 °F	172 °F		°F
Equip.	5642 VERNAL	7674 VERNAL		
Location				
Recorded By	LANGLEY	DANTI		
Witnessed By	FRY	FRY		

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

Schlumberger

COMPENSATED
FORMATION DENSITY LOG
Gamma-Gamma

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH WILDCAT HOPE FED. UNIT 2-8 MAPCO, INC.	COMPANY <u>MAPCO, INC.</u>			
		WELL <u>HOPE FEDERAL UNIT 2-8</u>			
		FIELD <u>WILDCAT</u>			
		COUNTY <u>UINTAH</u>		STATE <u>UTAH</u>	
		Location: <u>NE SW</u>		API Serial No. _____	
		Sec. <u>8</u> Twp. <u>11S</u> Rge. <u>21E</u>		Other Services: DLL, BHC CNL, GR CORIBAND 429	
		Permanent Datum: <u>G.L.</u> ; Elev.: <u>5459</u>		Elev.: K.B. <u>5476</u>	
		Log Measured From <u>K.B.</u> , <u>17</u> Ft. Above Perm. Datum		D.F. _____	
		Drilling Measured From <u>K.B.</u>		G.L. <u>5459</u>	
Date	<u>12/8/74</u>				
Run No.	<u>ONE</u>				
Depth-Driller	<u>9600</u>				
Depth-Logger	<u>9610</u>				
Btm. Log Interval	<u>9608</u> <u>7A³</u>				
Top Log Interval	<u>2028</u>				
Casing-Driller	<u>9 5/8 @ 2022</u>		@	@	@
Casing-Logger	<u>2028</u>				
Bit Size	<u>7 7/8</u>				
Type Fluid in Hole	<u>SALT WATER</u>				
Fluid Level	<u>FULL</u>				
Dens.	Visc.	<u>9.7</u>	<u>.34</u>		
pH	Fluid Los	<u>11</u>	<u>10.4 ml</u>	ml	ml
Source of Sample	<u>CIRC.</u>				
R _m @ Meas. Temp.	<u>.108 @ 64 °F</u>	@	°F	@	°F
R _{mf} @ Meas. Temp.	<u>.09 @ 65 °F</u>	@	°F	@	°F
R _{mc} @ Meas. Temp.	<u>.18 @ 64 °F</u>	@	°F	@	°F
Source: R _{mf} R _{mc}	<u>M C</u>				
R _m @ BHT	<u>.037 @ 173 °F</u>	@	°F	@	°F
Time Since Circ.	<u>ON BOTTOM 1000 12/9</u>				
Max. Rec. Temp.	<u>173 °F</u>		°F	°F	°F
Equip. Location	<u>7674 VERN</u>				
Recorded By	<u>STRAWN</u>				
Witnessed By	<u>MR. HOGAN</u>				



BOREHOLE COMPENSATED SONIC LOG

COUNTY UINTAH FIELD or WILDCAT LOCATION HOPE FEDERAL WELL UNIT 2-8 COMPANY MAPCO, INC.	COMPANY	MAPCO, INC.		
	WELL	HOPE FEDERAL UNIT 2-8		
	FIELD	WILDCAT		
	COUNTY	UINTAH	STATE	UTAH
LOCATION:		API Serial No.	21470	
NE	SW	Sec. 8	Twp. 11S	Rge. 21E
				Other Services: DLL, FDC CNL, CORIBAND 429
Permanent Datum:		G.L.	Elev.: 5459	
Log Measured From		K.B.	17 Ft. Above Perm. Datum	
Drilling Measured From		K.B.		
		Elev.:	K.B.	5476
		D.F.		
		G.L.	5459	

Date	12/8/74				
Run No.	ONE				
Depth-Driller	9600				
Depth-Logger	9610				
Btm. Log Interval	9601 24"				
Top Log Interval	1018				
Casing-Driller	9 5/8@	2022	@	@	@
Casing-Logger	2028				
Bit Size	7 7/8				
Type Fluid in Hole	SALT WATER				
Dens.	Visc.	9.7	34		
pH	Fluid Loss	11	10.4ml	ml	ml
Source of Sample		CIRC.			
R _m @ Meas. Temp.	.108 @ 64 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	.09 @ 65 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	.18 @ 64 °F	@	°F	@	°F
Source: R _{mf} R _{mc}	M C				
R _m @ BHT	.037 @ 172 °F	@	°F	@	°F
TIME	Circulation Stopped	1700 12/8			
Max. Rec. Temp.	172 °F		°F		°F
Equip.	Location	7674	VERN		
Recorded By	STRAWN				
Witnessed By	MR. HOGAN				

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL #14-1 FEDERAL COMPANY MIRACLE & WOOSTER	COMPANY	MIRACLE & WOOSTER <i>Humble</i>	Other Surveys SL
	WELL	#14-1 FEDERAL <i>Broken Arrow #1</i>	Location of Well SEC. 14-11S-21E 1442'FNL, 1509'FEL
	FIELD	WILDCAT	Elevation: D.F.: K.B.: 5726 or G.L.: 5717
	LOCATION	SEC. 14-11S-21E 1442'FNL, 1509'FEL	FILING No. <i>430</i>
	COUNTY	UINTAH	
	STATE	UTAH	

RUN No.	ONE	TWO			
Date	11-15-60	1/27/61			
First Reading	5898 ²⁴⁷	8402 ²⁴³			
Last Reading	200	6057			
Feet Measured	5698	2345			
Csg. Schlum.	-	6057			
Csg. Driller	160	6070			
Depth Reached	5904	8408			
Bottom Driller	5905	8410			
Depth Datum	K.B.	K.B.			
Mud Nat.	OIL FMUL	CHEM. GEL			
Dens. Visc.	9.5 41	9.3 81			
Mud Resist.	2.3 @ 68 °F	2.4 @ 60 °F	@ °F	@ °F	@ °F
" Res. BHT	1.3 @ 125 °F	1.2 @ 157 °F	@ °F	@ °F	@ °F
Rmf	1.52 @ 76 °F	2.1 @ 61 °F	@ °F	@ °F	@ °F
Rmc	2.7 @ 74 °F	- @ - °F	@ °F	@ °F	@ °F
" pH	8.0 @ - °F	- @ - °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.8 CC 30 min.	4.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"	6 1/8"			
Spcgs.—AM	16"	16"			
MN	27'2"	27'2"			
IND.	5FF40	5FF40			
Opr. Rig Time	3 HRS.	1 1/4 HRS.			
Truck No.	1517	1517			
Recorded By	DAVIS	HANDLEY			
Witness	MIRACLE	MIRACLE			



Electrical Log

COUNTY	UINTAH	COMPANY	GREAT LAKES	Other Surveys	
	FIELD or LOCATION	WILDCAT	NATURAL GAS CORP.	IES, ML	
LOCATION	COTTONWOOD WASH	WELL	COTTONWOOD WASH	Location of Well	
WELL	UNIT #1		UNIT #1		
COMPANY	GREAT LAKES NATURAL GAS CORPORATION	FIELD	WILDCAT		
		LOCATION	SEC. 21 11S 21E		
			NE-SW 2130EWL 1580NSL	Elevation: D.F.: _____	
		COUNTY	UINTAH	K.B.: 5766	
		STATE	UTAH	or G.L.: 5755	
				FILING No. <u>SJR</u>	
				<u>431</u>	

RUN No.	ONE				
Date	5-24-58				
First Reading	5016 ²²⁵				
Last Reading	217				
Feet Measured	4799				
Csg. Schlum.	217				
Csg. Driller	217				
Depth Reached	5017				
Bottom Driller	5046				
Depth Datum	KB-11' ABOVE GL				
Mud Nat.	GEL				
Dens. Visc.	8.5 40				
Mud Resist.	3.8 @ 57 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	2.05 @ 107 °F	@ °F	@ °F	@ °F	@ °F
Rmf	0.82 @ 107 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.21 @ 107 °F	@ °F	@ °F	@ °F	@ °F
pH	12.5 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	16 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"				
Spcgs.—AM	16"				
A	64"				
AO	18' 8"				
Opr. Rig Time	2 HRS				
Truck No.	1517 GJ				
Recorded By	ZIVLEY				
Witness	SCHEICK				

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WILDCAT ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

COUNTY UTAH FIELD or LOCATION WILDCAT WELL BITTER CREEK NO. 1-13 COMPANY SHAMROCK OIL & GAS CORPORATION	COMPANY	SHAMROCK OIL & GAS CORPORATION	Other Surveys	SGR-C
	WELL	BITTER CREEK	Location of Well	<u>CONFIDENTIAL</u>
		NO. 1-13		
	FIELD	WILDCAT		
	LOCATION	SEC. 13-T11S-R22E		
		1888/W 1093/N <i>SE NW</i>		
COUNTY	UINTAH	Elevation: D.F.:		
STATE	UTAH	K.B.:		
		or G.L.:	5358	
		FILING No.	432	

RUN No.	ONE				
Date	3-7-63				
First Reading	5348 <i>213</i>				
Last Reading	204				
Feet Measured	5144				
Csg. Schlum.	204				
Csg. Driller	204				
Depth Reached	5349				
Bottom Driller	5346				
Depth Datum	K.B.				
Mud Nat.	GEL-CHEM OIL				
Dens. Visc.	11.3 58				
Mud Resist.	2.25 @ 80 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.45 @ 125 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.8 @ 80 °F	@ °F	@ °F	@ °F	@ °F
Rmc	- @ °F	@ °F	@ °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4				
Spcgs.—AM	16"				
MN	34' 6"				
IND.	6FF40				
Opr. Rig Time	1 1/2 HOURS				
Truck No.	1593				
Recorded By	HAMILTON				
Witness	FOWLER				

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SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH	COMPANY	THE SHAMROCK OIL & GAS CORPORATION	Other Surveys	I-ES.. LL
	RAINBOW	WELL	RAINBOW UNIT # 4	Location of Well	
	RAINBOW UNIT # 4	FIELD	RAINBOW		
	THE SHAMROCK OIL & GAS CORPORATION	LOCATION	SEC. 1-11S-23E		
			1628' FSL, 1868' FEL <i>NWSE</i>		441
	COUNTY	UINTAH		Elevation: K.B.:	5459
	STATE	UTAH		D.F.:	
				or G.L.:	5447

Log Depths Measured From K.B. 12 Ft. above G.L.

RUN No.	ONE				
Date	3-3-62				
First Reading	6179 <i>21.4</i>				
Last Reading	2221				
Feet Measured	3958				
Csg. Schlum.	2221				
Csg. Driller	2220				
Depth Reached	6185				
Bottom Driller	6190				
Mud Nat.	CHEM GEL				
Dens.	Visc.	10.8	65		
Mud Resist.	2.8 @ 65 °F			@ °F	@ °F
" Res. BHT	1.33 @ 138 °F			@ °F	@ °F
" pH	9.0 @ °F			@ °F	@ °F
" Wtr. Loss	2.6 CC 30 min			CC 30 min	CC 30 min
" Rmf	1.92 @ 65 °F			@ °F	@ °F
Bit Size	8 3/4"				
Spacing:					
T 3 R ₁ R ₂	CSG To TD		To	To	To
T R ₁ R ₂	To		To	To	To
Opr. Rig Time	3 1/2 HOURS				
Truck No.	1593 V				
Recorded By	LEDY				
Witness	ROWELL & THOMAS				

SCHLUMBERGER

INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTAH
FIELD or LOCATION ROCKHOUSE
WELL ROCKHOUSE UNIT # 7
COMPANY SHAMROCK OIL & GAS CORPORATION

COMPANY SHAMROCK OIL & GAS CORPORATION
WELL ROCKHOUSE UNIT #7
FIELD ROCKHOUSE
LOCATION SEC. 4-T11S-R23E
1310' FWL, 1900' FSL
COUNTY UINTAH
STATE UTAH

Other Surveys
SGR-C

Location of Well

Elevation: D.F.:
K.B.: 5671
or G.L.: 5659
5546

FILING No. **433**

RUN No.	ONE				
Date	12-5-61				
First Reading	6508 ^{9%}				
Last Reading	216				
Feet Measured	6292				
Csg. Schlum.	216				
Csg. Driller	216				
Depth Reached	6509				
Bottom Driller	6505				
Depth Datum	K.B				
Mud Nat.	CHEM GEL-OIL ADDED				
Dens. Visc.	10.3 63				
Mud Resist.	2.5 @ 85°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.45 @ 146°F	@ °F	@ °F	@ °F	@ °F
Rmf	1.56 @ 83°F	@ °F	@ °F	@ °F	@ °F
Rmc	2.3 @ 85°F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	3.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 1/2 HRS.				
Truck No.	1593 V.				
Recorded By	LEDY				
Witness	THOMAS				

SCHLUMBERGER

INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>ROCKHOUSE</u> WELL <u>GOVERNMENT 1-8</u> COMPANY <u>SHAMROCK OIL & GAS CORPORATION</u>	COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	Other Surveys <u>SGR-C</u>
	WELL <u>GOVERNMENT 1-8</u>	Location of Well
	FIELD <u>ROCKHOUSE</u>	
	LOCATION SEC. <u>8-11S-²³22E //</u>	Elevation: D.F.: _____ K.B.: <u>5997</u> or G.L.: <u>5980</u>
	<u>NESEW</u> 2140 FSL 2140 FWL	FILING No. <u>T.P.L. 939</u>
COUNTY <u>UINTAH</u>		
STATE <u>UTAH</u>		

RUN No.	ONE							
Date	8-17-62							
First Reading	5670 ^{29.6}							
Last Reading	219							
Feet Measured	5451							
Csg. Schlum.	219							
Csg. Driller	219							
Depth Reached	5671							
Bottom Driller	5669							
Depth Datum	KB							
Mud Nat.	GEL-CHEM-9% OIL							
Dens. Visc.	10.0 73							
Mud Resist.	3.24@ 76 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.81@ 137 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.72@ 76 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmc	3.86@ 76 °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.3 CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.
Bit Size	8 3/4							
Spcgs.—AM	16"							
MN	34 6"							
IND.	6FF40							
Opr. Rig Time	2 HOURS							
Truck No.	2517 VERNAL							
Recorded By	LANGILL							
Witness	THOMAS & MARTIN							

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION ROCK HOUSE WELL ROCK HOUSE COMPANY SHAMROCK OIL & GAS CORPORATION	COMPANY	SHAMROCK OIL & GAS COMPANY	Other Surveys	MLL - SL
	WELL	ROCK HOUSE	Location of Well	SEC. 10-11S-23E NW SE SE
	UNIT #1	UNIT #1	State	
	FIELD	ROCK HOUSE UNIT		
	LOCATION	SEC. 10-11S-23E	Elevation: D.F.: 5859 K.B.: 5861 or G.L.: 5849 5736	
		NW SE SE		
COUNTY	UINTAH	FILING No.	442	
STATE	UTAH			

RUN No.	ONE	TWO	THREE		
Date	8-17-60	9-7-60	9-17-60		
First Reading	4175 ^{25.8}	6540 ^{25.1}	7368 ^{23.3}		
Last Reading	217	4175	6540		
Feet Measured	3957	2365	828		
Csg. Schlum.	217	---	---		
Csg. Driller	215	215	215		
Depth Reached	4180	6546	7384		
Bottom Driller	4175	6543	7384		
Depth Datum	KB	KB	KB		
Mud Nat.	CHEM-GEL	CHEM-GEL	CHEM-GEL -OTL		
Dens. Visc.	9.1 72	10.1 47	10.2 60		
Mud Resist.	4.1 @ 65°F	2.8 @ 92°F	3.0 @ 74°F	@ °F	@ °F
" Res. BHT	2.56 @ 104°F	1.9 @ 135°F	1.66 @ 139°F	@ °F	@ °F
Rmf	2.62 @ 78°F	2.0 @ 83°F	1.9 @ 77°F	@ °F	@ °F
Rmc	3.86 @ 78°F	3.0 @ 80°F	3.46 @ 77°F	@ °F	@ °F
" pH	7.4 @ °F	8.0 @ °F	8.8 @ °F	@ °F	@ °F
" Wtr. Loss	5.6 CC 30 min.	5.8 CC 30 min.	4.6 CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	*	8 3/4"	8 3/4"		
Spcgs.—AM	16"	16"	16"		
MN	27'2"	27'2"	27'2"		
IND.	5FF40	5FF40	5FF40		
Opr. Rig Time	2 HRS	1 HR	3 HRS		
Truck No.	1517 VNL	3817 RS	1523 GJ		
Recorded By	DANTELS	WILLIAMSON	COVEY		
Witness	THOMAS -	FOWLER	THOMAS		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION SEC. 11-11S-23E WELL ROCK HOUSE UNIT #3 COMPANY THE SHAMROCK OIL & GAS CORPORATION	COMPANY	THE SHAMROCK OIL & GAS CORPORATION	Other Surveys	S-GR
	WELL	ROCK HOUSE UNIT #3	Location of Well	STATE
	FIELD	WILDCAT	Elevation: D.F.:	K.B.: 6000
	LOCATION	SEC. 11-11S-23E 1386' FEL. 1653' FSL	or G.L.:	5989 5875
	COUNTY	UINTAH NW SE	FILING No.	943
	STATE	UTAH		

RUN No.	ONE				
Date	3-4-61				
First Reading	5895 25'				
Last Reading	236				
Feet Measured	5659				
Csg. Schlum.	236				
Csg. Driller	236				
Depth Reached	5901				
Bottom Driller	5900				
Depth Datum	K. B.				
Mud Nat.	GEL-CHEM				
Dens. Visc.	9.2 80				
Mud Resist.	4.06 @ 60°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.86 @ 128°F	@ °F	@ °F	@ °F	@ °F
/" Rmf	2.51 @ 76°F	@ °F	@ °F	@ °F	@ °F
" Rmc	5.4 @ 76°F	@ °F	@ °F	@ °F	@ °F
" pH	8.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	2.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4				
Spcgs.—AM	16"				
" MN	27' 2"				
" IND.	5FF40				
Opr. Rig Time	2 HRS				
Truck No.	1559 VNL				
Recorded By	LANGILL				
Witness	ROWELL				

SCHLUMBERGER**INDUCTION - ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>ROCKHOUSE</u> WELL <u>ROCKHOUSE 5-A</u> COMPANY <u>SHAMROCK OIL & GAS</u> CORPORATION	COMPANY <u>SHAMROCK OIL & GAS</u>	Other Surveys SGR-C
	<u>CORPORATION</u>	Location of Well
	WELL <u>ROCKHOUSE 5-A</u>	
	FIELD <u>ROCKHOUSE</u>	
	LOCATION <u>SEC. 13-11S-23E</u>	
	<u>390/S 1973/E SWSE</u>	Elevation: D.F.: K.B.: <u>5617</u> or G.L.: <u>5481</u>
	COUNTY <u>UINTAH</u>	
	STATE <u>UTAH</u>	FILING No. <u>aw 449</u>

RUN No.	ONE				
Date	8-18-61				
First Reading	5856.265				
Last Reading	238				
Feet Measured	5618				
Csg. Schlum.	238				
Csg. Driller	240				
Depth Reached	5857				
Bottom Driller	5863				
Depth Datum	K.B.				
Mud Nat.	TRIMULSION EMULSION				
Dens. Visc.	10.5 55				
Mud Resist.	2.7 @ 70 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.4 @ 130 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.2 @ 70 °F	@ °F	@ °F	@ °F	@ °F
Rmc	-- @ °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	8.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	1 1/2 HR.				
Truck No.	1517 V.				
Recorded By	HAMILTON				
Witness	THOMAS				

SCHLUMBERGER

INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH ROCK HOUSE ROCK HOUSE UNIT #9 THE SHAMROCK OIL AND GAS CORP.	COMPANY THE SHAMROCK OIL AND GAS CORP.	Other Surveys SGR-C LL
		WELL ROCK HOUSE UNIT # 9	Location of Well
		FIELD ROCK HOUSE	
		LOCATION SEC. 14-11S-23E 1509 FWL 2437 FNL <i>SENW</i>	Elevation: D.F.: K.B.: 5970 or G.L.: 5958
	COUNTY UINTAH STATE UTAH		FILING No. <i>436</i>

RUN No.	ONE				
Date	3-18-62				
First Reading	6648 <i>244</i>				
Last Reading	227				
Feet Measured	6421				
Csg. Schlum.	227				
Csg. Driller	226				
Depth Reached	6649				
Bottom Driller	6647				
Depth Datum	KB				
Mud Nat.	UNICAL				
Dens. Visc.	10.5 57				
Mud Resist.	2.58@ 68°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	.32@ 134°F	@ °F	@ °F	@ °F	@ °F
Rmf	2.20@ 68°F	@ °F	@ °F	@ °F	@ °F
Rmc	2.72@ 68°F	@ °F	@ °F	@ °F	@ °F
" pH	9.0@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.6CC30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 HOURS				
Truck No.	2517 V				
Recorded By	LANGILL				
Witness	FOWLER				



Induction Electrical Log

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>SEC. 5-11S-23E</u> WELL <u>ROCK HOUSE UNIT #2</u> COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	Other Surveys <u>MLL, SGR</u>
	WELL <u>ROCK HOUSE UNIT #2</u>	Location of Well <u>Utah (State)</u>
	FIELD <u>WILDCAT</u>	Elevation: D.F.: _____ K.B.: <u>6087</u> or G.L.: <u>6076</u> <u>5964</u>
	LOCATION <u>SEC. 15-11S-23E 10</u> <u>SE SE</u>	FILING No. <u>437</u>
	COUNTY <u>UINTAH</u>	
STATE <u>UTAH</u>		

RUN No.	ONE				
Date	12-21-60				
First Reading	6461 ^{21.9}				
Last Reading	234				
Feet Measured	6227				
Csg. Schlum.	234				
Csg. Driller	234				
Depth Reached	6467				
Bottom Driller	6476				
Depth Datum	K.B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	10.2 56				
Mud Resist.	4.2 @ 60°F	@ °F	@ °F	@ °F	@ °F
Res. BHT	2.0 @ 126°F	@ °F	@ °F	@ °F	@ °F
Rmf M	3.8 @ 60°F	@ °F	@ °F	@ °F	@ °F
Rmc M	4.5 @ 60°F	@ °F	@ °F	@ °F	@ °F
" pH	8 @ - °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	27' 2"				
IND.	5FF40				
Opr. Rig Time	3 HRS.				
Truck No.	1517 VL				
Recorded By	ZIVLEY				
Witness	FOWLER				

SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>ROCK HOUSE</u> WELL <u>ROCK HOUSE UNIT #6</u> COMPANY <u>SHAMROCK OIL & GAS CORPORATION</u>	COMPANY	SHAMROCK OIL & GAS CORPORATION	Other Surveys I-ES
	WELL	ROCK HOUSE UNIT # 6	
	FIELD	ROCK HOUSE	
	LOCATION	SEC. 16-11S-23E <u>SW NE</u> 2226 FEL 2002 FNL	
	COUNTY	UINTAH	Elevation: K.B.: <u>5964</u>
	STATE	UTAH	D.F.: _____ or G.L.: <u>5952</u>

Log Depths Measured From K.B 12 Ft. above GROUND LEVEL

RUN No.	ONE	TWO	
Date	10-12-61	10-23-61	
First Reading	5263 <u>26.1</u>	5950 <u>20.0</u>	
Last Reading	2800	5263	
Feet Measured	2463	687	
Csg. Schlum.	215	5218	
Csg. Driller	215	5220	
Depth Reached	5271	59	
Bottom Driller	5273	5950	
Mud Nat.	CHEM-EMUL-16% SOLIDS		GEL, CHEM. OIL
Dens.	10.3	50	9.7 61
Visc.			
Mud Resist.	2.85 @ 69 °F	3.05 @ 63 °F	@ °F
" Res. BHT	1.57 @ 126 °F	1.4 @ 143 °F	@ °F
" pH	8.5 @ °F	10.0 @ °F	@ °F
" Wtr. Loss	4.4 CC 30 min	3.4 CC 30 min	CC 30 min
" Rmf	1.28 @ 69 °F	2.45 @ 63 °F	@ °F
Bit Size	8 3/4	6 1/4	
Spacing:			
T ₃ R ₁ R ₂	2800 To 5263	CSG To TD	To
T ₁ R ₁ R ₂	To	To	To
Opr. Rig Time	3 HRS.	1 1/2 HR.	
Truck No.	2517 VERNAL	2517 V.	
Recorded By	LANGILL	HANSON	
Witness	THOMAS & ROWELL	ROWELL & FOWLER	

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INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTAH FIELD or LOCATION ROCK HOUSE WELL ROCK HOUSE # 11 COMPANY THE SHAMROCK OIL & GAS CORPORATION	COMPANY	THE SHAMROCK OIL & GAS CORPORATION	Other Surveys S/GR/C Location of Well Elevation: D.F.: 6094 K.B.: 6095 or G.L.: 6082 FILING No. <u>700 939</u>
	WELL	ROCK HOUSE # 11	
	FIELD	ROCK HOUSE	
	LOCATION	SEC. 21-11S-23E <u>7</u> 2334 FNL, 1979 FEL	
	COUNTY	UINTAH	
STATE	UTAH		

RUN No.	ONE							
Date	9-11-62							
First Reading	5275 ^{1.0}							
Last Reading	239							
Feet Measured	5036							
Csg. Schlum.	239							
Csg. Driller	239							
Depth Reached	5276							
Bottom Driller	5276							
Depth Datum	K. R.							
Mud Nat.	CHEM-GEL							
Dens. Visc.	10.2 65							
Mud Resist.	3.3 @ 70°F	@	°F	@	°F	@	°F	@
" Res. BHT	1.9 @ 123°F	@	°F	@	°F	@	°F	@
Rmf	2.6 @ 66°F	@	°F	@	°F	@	°F	@
Rmc	3.5 @ 67°F	@	°F	@	°F	@	°F	@
" pH	9.0 @ °F	@	°F	@	°F	@	°F	@
" Wtr. Loss	5.0 CC 30 min.	CC 30 min.		CC 30 min.		CC 30 min.		CC 30 min.
Bit Size	8 3/4"							
Spcgs.—AM	16"							
MN	34' 6"							
IND.	6FF40							
Opr. Rig Time	2 HOURS							
Truck No.	1593 VERNAL							
Recorded By	WARNER							
Witness	FOWLER & ROWELL							

SCHLUMBERGER

INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION ROCK HOUSE WELL ROCK HOUSE UNIT # 10 COMPANY THE SHAMROCK OIL AND GAS CORP.	COMPANY	THE SHAMROCK OIL AND GAS CORP.	Other Surveys	S-GR/C LL
	WELL	ROCK HOUSE UNIT # 10	Location of Well	
	FIELD	ROCK HOUSE	Elevation: D.F.:	6072
	LOCATION	SEC. 22-11S-23E 9 2000' S/N -1055' W/E SENE	K.B.:	
	COUNTY	UINTAH	or G.L.:	6060
STATE	UTAH	FILING No.	104 435	

RUN No.	ONE				
Date	4-21-62				
First Reading	6238 23'				
Last Reading	220				
Feet Measured	6018				
Csg. Schlum.	220				
Csg. Driller	220				
Depth Reached	6239				
Bottom Driller	6243				
Depth Datum	KB				
Mud Nat.	CHEM-GEL-OIL				
Dens. Visc.	9.9 58				
Mud Resist.	2.4 @ 100 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.9 @ 124 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.75 @ 70 °F	@ °F	@ °F	@ °F	@ °F
Rmc	3.2 @ 64 °F	@ °F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 HOURS				
Truck No.	1593 V.				
Recorded By	WARNER				
Witness	THOMAS & BECHTOL				

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INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTAH, UTAH FIELD or LOCATION ROCK HOUSE ROCK HOUSE UNIT #8 COMPANY THE SHAMROCK OIL AND GAS COMPANY	COMPANY	THE SHAMROCK OIL AND GAS COMPANY	Other Surveys
	WELL	ROCK HOUSE UNIT #8	LL, SGR-C
	FIELD	ROCK HOUSE	Location of Well
	LOCATION	SEC. 23-11S-23E 1159'W/E LINE, 1367'S/N LINE	SEC. 23-11S-23E 1159'W/E LINE 1367'S/N LINE
	COUNTY	UINTAH SE NE	Elevation: K.B.: 586T D.F.: or G.L.: 5849 5722
	STATE	UTAH	FILING No. 995

RUN No.	ONE	TWO			
Date	1-5-62	1-29-62			
First Reading	2619 ^{26.2}	5851 ^{25.5}			
Last Reading	212	2614			
Feet Measured	2407	3237			
Csg. Schlum.	212	2614			
Csg. Driller	212	2614			
Depth Reached	2620	5852			
Bottom Driller	2628	5850			
Depth Datum	K.B.	K.B.			
Mud Nat.	GEL-CHEM	GEL-OIL			
Dens. Visc.	10.0 73	10.6 62			
Mud Resist.	5.35 @ 62°F	1.8 @ 66°F	@ °F	@ °F	@ °F
" Res. BHT	3.5 @ 97°F	0.95 @ 127°F	@ °F	@ °F	@ °F
Rmf	4.35 @ 62°F	1.15 @ 68°F	@ °F	@ °F	@ °F
Rmc	4.70 @ 65°F	2.25 @ 66°F	@ °F	@ °F	@ °F
" pH	-- @ °F	8.0 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	12.0 CC 30 min.	4.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	12 1/4"	8 3/4"			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 1/2 HR	2 HRS			
Truck No.	3529 GJ	3529 GJ			
Recorded By	MONTGOMERY				
Witness	THOMAS & ROWELL				

MAST 73.6°F 14.9 16.0

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION SEC. 30-11S-23E WELL BITTER CREEK #1 COMPANY HONOLULU OIL CORPORATION ET AL	COMPANY	HONOLULU OIL CORPORATION ET AL	Other Surveys	SGR-CALIPER
	WELL	BITTER CREEK #1	Location of Well	
	FIELD	WILDCAT	Elevation: D.F.: _____ K.B.: 5902 or G.L.: 5892	
	LOCATION	SEC. 30-11S-23E 660 FSL. 1980 FEL	FILING No. <u>490</u>	
	COUNTY	UINTAH <i>SW SE</i>		
	STATE	UTAH		

RUN No.	ONE	TWO	THREE		
Date	4-17-61	5-10-61	5-22-61		
First Reading	4813 <i>25A</i>	6588 <i>25B</i>	7382 <i>235</i>		
Last Reading	343	4813	6588		
Feet Measured	4470	1775	794		
Csg. Schlum.	343	343	-		
Csg. Driller	343	343	343		
Depth Reached	4819	6594	7383		
Bottom Driller	4820	6597	7388		
Depth Datum	K.B.	K.B.	K.B.		
Mud Nat.	GEL-CHEM	GEL-CHEM-O	GEL-CHEM-OIL		
Dens. Visc.	9.6 45	9.75 42	9.4 66		
Mud Resist.	2.9 @ 71 °F	2.16 @ 82 °F	2.62 @ 77 °F	@ °F	@ °F
" Res. BHT	1.83 @ 112 °F	1.35 @ 131 °F	1.44 @ 140 °F	@ °F	@ °F
Rmf M	1.64 @ 71 °F	1.62 @ 82 °F	2.22 @ 77 °F	@ °F	@ °F
Rmc M	4.2 @ 71 °F	2.58 @ 82 °F	2.8 @ 77 °F	@ °F	@ °F
" pH	8.5 @ °F	9.0 @ °F	10.1 @ °F	@ °F	@ °F
" Wtr. Loss	5.0 CC 30 min.	4.6 CC 30 min.	5.6 CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	*9"	8 3/4"	8 3/4"		
Spcgs.—AM	16"	16"	16"		
MN	27' 2"	27' 2"	34' 6"		
IND.	5FF40	5FF40	6FF40		
Opr. Rig Time	2 HRS	2 HRS	2 HRS		
Truck No.	1559 V	1559 V	1559 V		
Recorded By	LANGILL	LANGILL	ZIVLEY		
Witness	HARR	HARR	HARR		

SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	U INTAH	RAINBOW	THE SHAMROCK OIL & GAS CORPORATION	COMPANY	THE SHAMROCK OIL & GAS CORPORATION	Other Surveys FD, I-ES, LL
	RAINBOW UNIT # 5	RAINBOW UNIT # 5		WELL	RAINBOW UNIT # 5	Location of Well
				FIELD	RAINBOW	
				LOCATION	SEC. 6-11S-24E 2500 FEL, 1700 FSL	446
			COUNTY	U INTAH NW SE		Elevation: K.B.: 5208
			STATE	UTAH		D.F.: or G.L.: 5196

Log Depths Measured From		KB	12 Ft. above GROUND LEVEL	
RUN No.	ONE			
Date	5-22-62			
First Reading	5943 250			
Last Reading	2213			
Feet Measured	3730			
Csg. Schlum.	2214			
Csg. Driller	2207			
Depth Reached	5950			
Bottom Driller	5940			
Mud Nat.	GEL			
Dens.	Visc.	10.4	61	
Mud Resist.	2.64	@ 60 °F	@ °F	@ °F
" Res. BHT	1.24	@ 128 °F	@ °F	@ °F
" pH	8.5	@ °F	@ °F	@ °F
" Wtr. Loss	8.0	CC 30 min	CC 30 min	CC 30 min.
" Rmf	2.48	@ 60 °F	@ °F	@ °F
Bit Size	8 3/4			
Spacing:				
T R ₁ R ₂	2213	To 5943	To	To
T R ₁ R ₂		To	To	To
Opr. Rig Time	3 HRS			
Truck No.	2517 VNL			
Recorded By	LANGILL			
Witness	THOMAS & BECHTOL			

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION RAINBOW WELL RAINBOW # 3 COMPANY THE SHAMROCK OIL AND GAS COMPANY	COMPANY	THE SHAMROCK OIL AND GAS COMPANY	Other Surveys	LL-3 SGR/C
	WELL	RAINBOW # 3	Location of Well	
	FIELD	RAINBOW		<u>STATE</u>
	LOCATION	SEC. 7-11S-24E <u>11</u> 1959' FSL 1511' FWL <u>NESW</u>	Elevation: D.F.: 5406 K.B.: or G.L.: 5394 5228	
	COUNTY	UINTAH	FILING No.	<u>RD 947</u>
	STATE	UTAH		

RUN No.	ONE	TWO			
Date	1-16-62	1-16-62			
First Reading	4732 ^{21.3}	5839 ^{26.5}			
Last Reading	2395	4732			
Feet Measured	2337	1107			
Csg. Schlum.	2395	NA			
Csg. Driller	2396	2397			
Depth Reached	4733	5840			
Bottom Driller	4733	5845			
Depth Datum	KB	KB			
Mud Nat.	GEL-CHEM	CHEM-GEL-OIL			
Dens. Visc.	10.6 @ 66	12.1 @ 65			
Mud Resist.	3.3 @ 48 °F	2.1 @ 72 °F	@ °F	@ °F	@ °F
" Res. BHT	1.45 @ 116 °F	1.16 @ 130 °F	@ °F	@ °F	@ °F
Rmf	1.96 @ 70 °F	1.78 @ 72 °F	@ °F	@ °F	@ °F
Rmc	2.70 @ 68 °F	2.68 @ 72 °F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	9.0 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.2 CC 30 min.	3.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"	8 3/4"			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 HOURS	1 1/2 H			
Truck No.	3529 G.J	2517 V			
Recorded By	MONTGOMERY	LANGILL			
Witness	ROWELL	FOWLER			

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL RAINBOW UNIT 2-A COMPANY SHAMROCK OIL & GAS COMPANY	COMPANY	THE SHAMROCK OIL & GAS COMPANY	Other Surveys	SGR-C
	WELL	RAINBOW UNIT 2-A	Location of Well	
	FIELD	WILDCAT	Elevation: D.F.:	
	LOCATION	SEC. 18-11S-24E	K.B.:	5579
	COUNTY	UINTAH	or G.L.:	5567 5441
STATE	UTAH	FILING No.	450	

RUN No.	ONE	TWO			
Date	11-29-61	12-18-61			
First Reading	4494 ^{26.4}	5520 ^{25.2}			
Last Reading	212	4499			
Feet Measured	4282	1081			
Csg. Schlum.	212	4499			
Csg. Driller	212	4495			
Depth Reached	4495	5581			
Bottom Driller	4498	5581			
Depth Datum	K.B.	K.B.			
Mud Nat.	GEL-CHEM	CHEM-GEL			
Dens. Visc.	10.7 65	12.1 70			
Mud Resist.	2.48@ 70°F	1.56@ 76°F	@ °F	@ °F	@ °F
" Res. BHT	1.58@ 110°F	0.95@ 122°F	@ °F	@ °F	@ °F
Rmf	1.86@ 70°F	0.94@ 76°F	@ °F	@ °F	@ °F
Rmc	3.72@ 70°F	1.9@ 78°F	@ °F	@ °F	@ °F
" pH	8.5@ °F	9.0@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.0 CC 30 min.	3.1 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"	6 1/4"			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 HRS.	2 HOURS			
Truck No.	2517 VNL	2515 V.			
Recorded By	LANGILL	LEDY			
Witness	FOWLER & ROWELL FOWLER & ROWELL				

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INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>SEC. 19-11S-24E</u> WELL <u>RAINBOW UNIT # 6</u> COMPANY <u>THE SHAMROCK OIL AND GAS CORP.</u>	COMPANY <u>THE SHAMROCK OIL AND GAS CORP.</u>	Other Surveys <u>S-GR/C</u>
	WELL <u>RAINBOW UNIT # 6</u>	Location of Well
	FIELD <u>RAINBOW</u>	
	LOCATION <u>SEC. 19-11S-24E</u> <i>SE NW</i> <u>2104' S/N 2148' E/W</u>	Elevation: D.F.: <u>5620</u> K.B.: <u>5622</u> or G.L.: <u>5610</u>
	COUNTY <u>UINTAH</u>	<i>DL</i>
	STATE <u>UTAH</u>	FILING No. <u>448</u>

RUN No.	ONE				
Date	6-22-62				
First Reading	5598 <i>170</i>				
Last Reading	2314				
Feet Measured	3284				
Csg. Schlum.	2314				
Csg. Driller	2315				
Depth Reached	5599				
Bottom Driller	5600				
Depth Datum	KB				
Mud Nat.	CIEM-GEL-OIL				
Dens. Visc.	10.6 65				
Mud Resist.	2.5 @ 64 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.25 @ 128 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.0 @ 74 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.6 @ 64 °F	@ °F	@ °F	@ °F	@ °F
" pH	-- @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	1 1/2 HOURS				
Truck No.	1593 VERNAL				
Recorded By	LEDY				
Witness	THOMAS--ISBELL				

SCHLUMBERGER

INDUSTRIAL-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH WILDCAT OIL SPRINGS UNIT NO. 6 D. J. STONE	COMPANY <u>D. J. STONE</u>	
		WELL <u>OIL SPRINGS UNIT NO. 6</u>	
		FIELD <u>WILDCAT</u>	
		COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	
		LOCATION <u>C NW SE</u>	Other Services:
		Sec. <u>33</u> Twp. <u>11S</u> Rge. <u>24E</u>	SL-C 451
Permanent Datum: <u>GROUND LEVEL</u> , Elev. <u>5753.5</u> Log Measured From <u>K.B.</u> , <u>10.5</u> Ft. Above Perm. Datum Drilling Measured From <u>K.B.</u>			Elev.: K.B. <u>5764</u> D.F. _____ G.I. <u>5753.5</u>
Date	12-30-63		
Run No.	ONE		
Depth—Driller	3378		
Depth—Logger	3359		
Btm. Log Interval	3358-11.1		
Top Log Interval	203		
Casing—Driller	9 5/8 @ 207	@	@
Casing—Logger	203		
Bit Size	8 3/4"		
Type Fluid in Hole	GYP-Q-BROXIN		
Dens.	10.3	42	
Visc.			
pH	8.5	5.2 ml	ml
Fluid Loss			
Source of Sample	PIT		
R _m @ Meas. Temp.	1.48 @ 67 °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	1.04 @ 64 °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	2.38 @ 60 °F	@ °F	@ °F
Source: R _{mf} R _{mc}	PRESSCHART		
R _m @ BHT	1.06 @ 95 °F	@ °F	@ °F
Time Since Circ.	2 HOURS		
Max. Rec. Temp.	95 °F	°F	°F
Equip. Location	4544 VERNA		
Recorded By	LEDY		
Witnessed By	BOCELL		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Temperature Log

COUNTY UINTAH FIELD or LOCATION SEC. 26-12S-20E WELL BYLLESBY # 1 COMPANY H. M. BYLLESBY	COMPANY H. M. BYLLESBY & COMPANY	Location of Well
	WELL BYLLESBY # 1	
	FIELD WILDCAT	
	LOCATION SEC. 26-12S-20E NW NW	
COUNTY UINTAH	Elevation: D.F.: K.B.: 5640 or G.L.: 5637	
STATE UTAH	FILING No. 452	
Date 1-19-61	Time Started 1615	Time Finished 1745
First Reading 4570	Alt.	
Last Reading 3000		
Footage Measured 1570		
Max. Depth Reached 4571		
Bottom Driller 4736	PLUG	
Hole Size 8 3/4"		
Casing Size 7"		
Depth Datum KB		
Mud Data Nature GEL-OIL	ADDED Resistivity @	°F
Fluid Level FULL HOLE		
Max. Temp. 148° F		
Cementation Data Date 1-18-61	Time Started 2115	Time Finished 2230
Circulation Data Date	Time Started	Time Finished
A-Cement Top Determination		
1) Date Pressure Released 1-19-61	Time Released 1430	
2) Amount Cement 2100 SACKS		
3) Calculated Top 3800 APPROXIMATE		
4) Depth of Plug 4736		
B-Location of Oil and Gas		
1) Casing Shoe Driller		
2) Date Drilling Stopped	Time Stopped	
Truck No. 1517		
Recorded By WHITE		
Witnessed By GRIMME		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UTAH FIELD or LOCATION SEC. 26-12S-20E WELL BYLLESBY #1 COMPANY H. M. BYLLESBY & COMPANY	COMPANY <u>H. M. BYLLESBY & COMPANY</u>	Other Surveys SL
	WELL <u>BYLLESBY #1</u>	Location of Well
	FIELD <u>WILDCAT</u>	Elevation: D.F.: _____ K.B.: <u>5648</u> or G.L.: <u>5637</u>
	LOCATION <u>SEC. 26-12S-20E</u> ⁴	FILING No. <u>452</u>
COUNTY <u>UTAH</u>	STATE <u>UTAH</u>	

RUN No.	ONE	TWO	THREE		
Date	11-27-60	12-6-60	1-17-61		
First Reading	4406 41.4	5596 24.4	7720 23.6		
Last Reading	294	4000	5596		
Feet Measured	4112	1596	2124		
Csg. Schlum.	294	-	-		
Csg. Driller	295	295	295		
Depth Reached	4412	5602	7726		
Bottom Driller	4425	5605	7720		
Depth Datum	K.B.	K.B.	K.B.		
Mud Nat.	GEL-7%OIL	GEL-8%OIL	LIME BASE		
Dens. Visc.	9.7 51	9.9 51	10.6 80		
Mud Resist.	4.1 @ 72°F	4.5 @ 60°F	2.24 @ 67°F	@ °F	@ °F
" Res. BHT	2.05 @ 145°F	2.25 @ 120°F	.50 @ 145°F	@ °F	@ °F
Rmf	2.9 @ 72°F	4.0 @ 60°F	.92 @ 67°F	@ °F	@ °F
Rmc	4.3 @ 72°F	4.6 @ 60°F	.86 @ 67°F	@ °F	@ °F
" pH	9 @ -°F	8.5 @ -°F	1.5 @ -°F	@ °F	@ °F
" Wtr. Loss	4.4 CC30 min.	4 CC30 min.	.5 CC30 min.	CC30 min.	CC30 min.
Bit Size	8 3/4"	8 3/4"	8 3/4"		
Spcgs.—AM	16"	16"	16"		
MN	27'2"	27'2"	27'2"		
IND.	5FF40	5FF40	5FF40		
Opr. Rig Time	2 HRS.	2 HRS.	2 HRS.		
Truck No.	1517 VL	1517 VL	VL		
Recorded By		ZIVLEY	LANGILL		
Witness	COVINGTON	COVINGTON	COVINGTON		

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>BUCK CANYON</u> WELL <u>GOVERNMENT # 1-1</u> COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	COMPANY <u>THE SHAMROCK OIL & GAS CORPORATION</u>	Other Surveys SGR/C
	WELL <u>GOVERNMENT # 1-1</u>	Location of Well
	FIELD <u>BUCK CANYON</u>	Elevation: D.F.: <u>5945</u> K.B.: <u>5947</u> or G.L.: <u>5935</u>
	LOCATION <u>SEC. 1-12S-21E 10</u> <u>NW SE 1848 N/S 2006 W/E</u>	FILING No. <u>2859</u>
COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>	

RUN No.	ONE				
Date	6-16-62				
First Reading	5831	27.8			
Last Reading	220				
Feet Measured	5611				
Csg. Schlum.	220				
Csg. Driller	224				
Depth Reached	5832				
Bottom Driller	5827				
Depth Datum	K. B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.9 55				
Mud Resist.	1.4 @ 70°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	.74 @ 134°F	@ °F	@ °F	@ °F	@ °F
Rmf	1.0 @ 70°F	@ °F	@ °F	@ °F	@ °F
Rmc	2.1 @ 70°F	@ °F	@ °F	@ °F	@ °F
" pH	9.2 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 HR				
Truck No.	1593 V				
Recorded By	DANIELS				
Witness	THOMAS				

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL	UINTAH BROWN'S CORRAL GOVERNMENT # 1-13	COMPANY DELHI-TAYLOR OIL CORPORATION	COMPANY	DELHI-TAYLOR OIL	Other Surveys S-GR/C
				CORPORATION	
			WELL	GOVERNMENT # 1-13	Location of Well
			FIELD	BROWN'S CORRAL	
			LOCATION	SEC. 13-12S-21E	Elevation: D.F.: 6027 K.B.: or G.L.: 6017
				NE SW NE	
			COUNTY	UINTAH	FILING No. <i>2100 955</i>
			STATE	UTAH	

RUN No.	ONE	TWO			
Date	7-30-62	8-1-62			
First Reading	5306 <i>27.8</i>	5547 <i>27.9</i>			
Last Reading	238	5306			
Feet Measured	5068	241			
Csg. Schlum.	238	238			
Csg. Driller	237	237			
Depth Reached	5307	5548			
Bottom Driller	5306	5546			
Depth Datum	KB	KB			
Mud Nat.	GEL-CHEM	-			
Dens. Visc.	9.5 50	9.5 75			
Mud Resist.	2.38 @ 67°F	2.42 @ 65°F	@ °F	@ °F	@ °F
" Res. BHT	1.26 @ 126°F	1.21 @ 130°F	@ °F	@ °F	@ °F
Rmf	1.82 @ 67°F	1.86 @ 65°F	@ °F	@ °F	@ °F
Rmc	3.46 @ 67°F	3.53 @ 65°F	@ °F	@ °F	@ °F
" pH	9.5 @ °F	9.5 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.8 CC 30 min.	6.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"	237-4200	6 3/4"	4200-TD	
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 HOURS	1 HOUR			
Truck No.	2517 V	2517 V			
Recorded By	LANGILL	LANGILL			
Witness	GUYNN	KERR			

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH
FIELD or LOCATION SEC 15-125-21E
WELL GOVERNMENT # 1-15
COMPANY DELHI-TAYLOR OIL CORP

COMPANY DELHI-TAYLOR
OIL CORPORATION
WELL GOVERNMENT # 1-15
FIELD WILDCAT
LOCATION SEC 15-125-21E
COUNTY UINTAH
STATE UTAH

Other Surveys
S-GR CST FT
Location of Well
FIELD PRINT
Elevation: D.F.:
K.B.: 6240
or G.L.: 6227
RL
FILING No. 956

RUN No.	ONE				
Date	8-27-61				
First Reading	6524	27.1			
Last Reading	316				
Feet Measured	6208				
Csg. Schlum.	316				
Csg. Driller	325				
Depth Reached	6525				
Bottom Driller	6528				
Depth Datum	KB				
Mud Nat.	GEL-CHEM-OIL				
Dens. Visc.	9.8 @ 50				
Mud Resist.	3.40 @ 78 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	1.87 @ 142 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.82 @ 78 °F	@ °F	@ °F	@ °F	@ °F
Rmc	3.68 @ 78 °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.5 CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.
Bit Size	7 7/8				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 HRS				
Truck No.	2517 V.				
Recorded By	LARGILL				
Witness	MCDONALD				

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>GOVERNMENT 1-16</u> COMPANY <u>DELHI-TAYLOR OIL CORPORATION</u>	COMPANY <u>DELHI-TAYLOR OIL CORPORATION</u>	Other Surveys <u>SGR-C</u>
	WELL <u>GOVERNMENT 1-16</u>	Location of Well
	FIELD <u>WILDCAT</u>	
	LOCATION <u>SEC. 16-12S-21E</u> <u>SW NE 1980 FNL 1830 FEL</u>	Elevation: D.F.: <u>6185</u> K.B.: <u>6187</u> or G.L.: <u>6176</u>
	COUNTY <u>UINTAH</u>	FILING No. <u>457</u>
STATE <u>UTAH</u>		

RUN No.	ONE	TWO			
Date	12-14-61	12-20-61			
First Reading	5324 ²⁶⁷	6204 ²³⁵			
Last Reading	226	5324			
Feet Measured	5098	380			
Csg. Schlum.	226	----			
Csg. Driller	229	----			
Depth Reached	5325	6205			
Bottom Driller	5353	6207			
Depth Datum	K. B	K. B			
Mud Mat.	GEL-CHEM	GEL-CHEM			
Dens. Visc.	9.2 @ 55	9.6 @ 60			
Mud Resist.	2.9 @ 68°F	2.9 @ 71°F	@ °F	@ °F	@ °F
" Res. BHT	1.63 @ 123°F	1.7 @ 125°F	@ °F	@ °F	@ °F
Rmf	2.62 @ 68°F	2.2 @ 70°F	@ °F	@ °F	@ °F
Rmc	3.70 @ 68°F	3.0 @ 72°F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	9.0 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.4 CC 30 min.	4.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"	7 7/8"			
Spcgs.—AM	16"	16"			
MN	34' 6"	34 1/2'			
IND.	6FF40	6FF40			
Opr. Rig Time	2 HRS	2 HRS.			
Truck No.	2517 VER	2515 VER.			
Recorded By	LANGILL	ELLERMAN			
Witness	KERR	BERRY			

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH BROWN'S CORRAL GOVERNMENT 1-22 DELHI-TAYLOR OIL CORPORATION	COMPANY <u>DELHI-TAYLOR OIL</u> <u>CORPORATION</u>	Other Surveys SGR-C
		WELL <u>GOVERNMENT 1-22</u>	Location of Well.
		FIELD <u>BROWN'S CORRAL</u>	
		LOCATION <u>SEC. 22-12S-21E</u> <u>SW NE</u>	Elevation: D.F.: K.B.: <u>6375</u> or G.L.: <u>6364</u>
		COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	FILING No. <u>459</u>

RUN No.	ONE	TWO			
Date	1-29-62	2-21-62			
First Reading	6521 ^{26.0}	8294 ^{25.1}			
Last Reading	234	6638			
Feet Measured	6287	1656			
Csg. Schlum.	234	6638			
Csg. Driller	234	6632			
Depth Reached	6522	8295			
Bottom Driller	6520	8294			
Depth Datum	K ² B	KB			
Mud Nat.	GEL-CHEM-OIL	CHEM-GEL			
Dens. Visc.	9.7 45	8.6 41			
Mud Resist.	2.04 @ 64°F	2.12 @ 70°F	@ °F	@ °F	@ °F
" Res. BHT	.94 @ 130°F	0.88 @ 159°F	@ °F	@ °F	@ °F
Rmf	1.28 @ 64°F	1.5 @ 74°F	@ °F	@ °F	@ °F
Rmc	2.88 @ 64°F	2.2 @ 70°F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	9.5 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.8 CC 30 min.	7.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4	6 1/4"			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 1/2 HRS.	1 1/2 H			
Truck No.	2517 V	2515 V			
Recorded By	LANGILL	LEDY			
Witness	MCDONALD	MCDONALD			

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INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL GOVERNMENT 1-5 COMPANY THE SHAMROCK OIL & GAS COMPANY	COMPANY	THE SHAMROCK OIL & GAS COMPANY	Other Surveys	S-GRC, LL
	WELL	GOVERNMENT 1-5	Location of Well	
	FIELD	WILDCAT	Elevation: K.B.:	6265
	LOCATION	SEC. 5-12S-22E 1930 FSL 2062 FEL	D.F.:	
	COUNTY	UINTAH	or G.L.:	6253
STATE	UTAH	FILING No.	459	

RUN No.	ONE				
Date	4-27-62				
First Reading	7594 ^{21.6}				
Last Reading	210				
Feet Measured	7384				
Csg. Schlum.	210				
Csg. Driller	210				
Depth Reached	7595				
Bottom Driller	7601				
Depth Datum	K.B.				
Mud Nat.	GEL-OIL-EMULSION				
Dens. Visc.	10.1 55				
Mud Resist.	2.46@ 65°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.18@ 135°F	@ °F	@ °F	@ °F	@ °F
Rmf	1.98@ 65°F	@ °F	@ °F	@ °F	@ °F
Rmc	3.28@ 65°F	@ °F	@ °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	3.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	12 3/4 TO	1787 8 3/4 TO	7601		
Spcgs.—AM *	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	3 HRS.				
Truck No.	2517 VNL.				
Recorded By	LANGILL.				
Witness	FOWLER				

SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY: UINTAH FIELD or LOCATION: UNNAMED WELL: FEDERAL 181 COMPANY: SINCLAIR OIL AND GAS COMPANY	COMPANY	SINCLAIR OIL AND GAS COMPANY	Other Surveys	1-ES
	WELL	FEDERAL 181 UINTAH # 1	Location of Well	10
	FIELD	UNNAMED		
	LOCATION	SEC. 7-12S-22E C NE		460
	COUNTY	UINTAH	Elevation: K.B.:	NA
	STATE	UTAH	D.F.:	
		or G.L.:		

Log Depths Measured From GROUND LEVEL 0 Ft. above GROUND LEVEL

RUN No.	ONE				
Date	11-16-62				
First Reading	5781 ^{26.9}				
Last Reading	2750				
Feet/Measured	3031				
Csg. Schlum.	311				
Csg. Driller	306				
Depth Reached	5787				
Bottom Driller	5783				
Mud Nal.	CHEM-EMUL				
Dens.	Visc.	9.0	60		
Mud Resist.		3.2 @ 60 °F	@ °F	@ °F	@ °F
" Res. BHT		2.0 @ 130 °F	@ °F	@ °F	@ °F
" pH		7.5 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss		6.0 CC 30 min	CC 30 min	CC 30 min	CC 30 min
" Rmf		2.1 @ 70 °F	@ °F	@ °F	@ °F
Bit Size	8 3/4"				
Spacing:					
T ₁ R ₁ 3 R ₁	5781	To	2750	To	To
T ₁ R ₁ R ₂		To		To	To
Opr. Rig Time	2 1/2 HRS				
Truck No.	2517 VERNAL				
Recorded By	CLAYTON				
Witness	LANCE				

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INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>GOVERNMENT # 1-17</u> COMPANY <u>DELHI-TAYLOR OIL CORPORATION</u>	COMPANY <u>DELHI-TAYLOR OIL CORPORATION</u>	Other Surveys S-GR/C CST
	WELL <u>GOVERNMENT # 1-17</u>	Location of Well
	FIELD <u>WILDCAT</u>	
	LOCATION <u>SEC 17-12S-22E</u> 10 <u>NW SE</u>	
COUNTY <u>UINTAH</u>	Elevation: D.F.: <u>6036</u> K.B.: <u>6037</u> or G.L.: <u>6024</u>	
STATE <u>UTAH</u>	FILING No. <u>961</u>	

RUN No.	ONE				
Date	10-22-61				
First Reading	5820	2648			
Last Reading	226				
Feet Measured	5594				
Csg. Schlum.	226				
Csg. Driller	226				
Depth Reached	5821				
Bottom Driller	5815				
Depth Datum	KB				
Mud Nat.	CHEM-GEL				
Dens. Visc.	10.3 46				
Mud Resist.	4.2 @ 70°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	2.1 @ 140°F	@ °F	@ °F	@ °F	@ °F
Rmf	2.8 @ 68°F	@ °F	@ °F	@ °F	@ °F
Rmc	4.5 @ 66°F	@ °F	@ °F	@ °F	@ °F
" pH	8.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
MN	34' 1/2"				
IND.	6FF40				
Opr. Rig Time	2 HOURS				
Truck No.	1593 V				
Recorded By	WARNER				
Witness	SEWELL				

BOREHOLE COMPENSATED

Schlumberger

SONIC LOG

COUNTY **UINTAH**
 FIELD **WILDCAT**
 LOCATION **BUCK CAMP #1**
 WELL **BUCK CAMP #1**
 COMPANY **AMOCO PROD. CO.**

COMPANY **AMOCO PRODUCTION COMPANY**
 WELL **BUCK CAMP UNIT #1**
 FIELD **WILDCAT**
 COUNTY **UINTAH** STATE **UTAH**

LOCATION **650' FNL & 1069' FEL**
 API SERIAL NO. **22** SEC. **12S** TWP **22E** RANGE **22E**

Other Services:
 DIL
 FDC-CNL-GR
 TAPING
462

Permanent Datum: **GL** Elev.: **5979**
 Log Measured From **KB** **19** Ft. Above Perm. Datum
 Drilling Measured From **KB**

Elev.: **K.B. 5998**
D.F.
G.L. 5979

Date	4/7/78	6/1/78		
Run No.	ONE	TWO		
Depth-Driller	7789	15082		
Depth-Logger (Schl.)	7792	15090		
Btm Log Interval	7780 24.1	15078 27.4		
Top Log Interval	1028	7793		
Casing-Driller	13 3/8 @ 1027	9 5/8 @ 7786	@	@
Casing-Logger	1028	7793		
Bit Size	12 1/2	8 1/2		
Type Fluid in Hole	FGM	FGM		
Dens.	9.2	40	9.1	48
Visc.				
pH	8.5	10	9.0	7.8
Fluid Loss	ml	ml	ml	ml
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	4.64 @ 65 °F	1.69 @ 76 °F	@	@
Rmf @ Meas. Temp.	3.84 @ 65 °F	1.50 @ 76 °F	@	@
Rmc @ Meas. Temp.	6.96 @ 65 °F	2.54 @ 76 °F	@	@
Source: Rmf	M	C		
Rmc				
Rm @ BHT	2.04 @ 148°F	.467 @ 275°F	@	@
TIME				
Circulation Stopped	2330	1500		
Logger on Bottom	1430	1000		
Max. Rec. Temp.	148 °F	275 °F		
Equip. Location	7634 VERNAL	7634 VERNAL		
Recorded By	LIGHTNER	SMITH		
Witnessed By Mr.	ERWIN	MILLIGAN		

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL # 1 UINTAH FEDERAL COMPANY SINCLAIR OIL AND GAS COMPANY	COMPANY	SINCLAIR OIL AND GAS COMPANY	Other Surveys S-GR/C Location of Well Elevation: K.B.: D.F.: or G.L.: 6193
	WELL	# 1 UINTAH FEDERAL # 178	
	FIELD	WILDCAT	
	LOCATION	SEC. 24-12S-22E 723' FSL. 530' FWL	
	COUNTY	UINTAH	FILING No. 963
	STATE	UTAH	

RUN No.	ONE				
Date	6-26-62				
First Reading	7400 ^{23.9}				
Last Reading	593				
Feet Measured	6807				
Csg. Schlum.	593				
Csg. Driller	591				
Depth Reached	7401				
Bottom Driller	7400				
Depth Datum	GL				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.5 65				
Mud Resist.	1.2 @ 77°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	0.66 @ 142°F	@ °F	@ °F	@ °F	@ °F
Rmf	0.72 @ 81°F	@ °F	@ °F	@ °F	@ °F
Rmc	1.7 @ 77°F	@ °F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4 2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"				
Spcgs.—AM	16"				
MN	34' 6"				
IND.	6FF40				
Opr. Rig Time	4 HOURS				
Truck No.	1593 V.				
Recorded By	LEDY				
Witness	WHITNEY COLBY				

SCHLUMBERGER

MONTGOMERY - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY <u>UINTAH, UTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>OIL SPRINGS UNIT # 4</u> COMPANY <u>D. J. STONE</u>	COMPANY <u>D. J. STONE</u> <hr/> WELL <u>OIL SPRINGS UNIT # 4</u> FIELD <u>WILDCAT</u> COUNTY <u>UINTAH</u> STATE <u>UTAH</u> LOCATION <u>1873' FSL-2119' FWL</u> Sec. <u>2</u> Twp. <u>12S</u> Rge. <u>24E</u>
	Other Services: <div style="text-align:center; font-size:1.2em; font-weight:bold;">969</div> S-GR/C
	Permanent Datum: <u>G.L.</u> , Elev. <u>6176</u> Log Measured From <u>K.B.</u> , <u>10.5</u> Ft. Above Perm. Datum Drilling Measured From <u>K.B.</u>
	Elev.: K.B. <u>6186.5</u> D.F. <u>-</u> G.L. <u>6176</u>
Date	<u>11-10-63</u>
Run No.	<u>ONE</u>
Depth—Driller	<u>3320</u>
Depth—Logger	<u>3330</u>
Btm. Log Interval	<u>3329 ^{25.6}</u>
Top Log Interval	<u>206</u>
Casing—Driller	<u>9 5/8 @ 206 @ @</u>
Casing—Logger	<u>206</u>
Bit Size	<u>7 7/8"</u>
Type Fluid in Hole	<u>GEL - CHEMICAL</u>
Dens.	<u>10.5</u>
Visc.	<u>50</u>
pH	<u>9.8</u>
Fluid Loss	<u>5.0 ml</u>
Source of Sample	<u>FLOW LINE</u>
R _m @ Meas. Temp.	<u>3.3 @ 68 °F @ °F @ °F</u>
R _{mf} @ Meas. Temp.	<u>2.04 @ 68 °F @ °F @ °F</u>
R _{mc} @ Meas. Temp.	<u>- @ - °F @ °F @ °F</u>
Source: R _{mf} R _{mc}	<u>PRESS CHART</u>
R _m @ BHT	<u>2.1 @ 110 °F @ °F @ °F</u>
Time Since Circ.	<u>3 HOURS</u>
Max. Rec. Temp.	<u>110 °F °F °F °F</u>
Equip. Location	<u>2598 G.J.</u>
Recorded By	<u>MONTGOMERY</u>
Witnessed By	<u>BOCELL</u>

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL OIL SPRINGS UNIT # 2 COMPANY ALAMO CORPORATION	COMPANY ALAMO CORPORATION	Other Surveys S-GR
	WELL OIL SPRINGS UNIT # 2	Location of Well Elevation: K.B.: 5900 D.F.: <i>ADD</i> or G.L.: 5890
	FIELD WILDCAT	
	LOCATION SEC. 3-12S-24E 2477 FSL 2516 FWL	
COUNTY UINTAH	STATE UTAH	FILING No. 465

RUN No.	ONE	TWO			
Date	4-4-62	4-11-62			
First Reading	5199 ^{4.0}	5692 ^{25.9}			
Last Reading	218	5199			
Feet Measured	4891	493			
Csg. Schlum.	218	NA			
Csg. Driller	222	222			
Depth Reached	5200	5693			
Bottom Driller	5200	5696			
Depth Datum	KB	KB			
Mud Nat.	GEL-CHEM	GEL-CHEM			
Dens. Visc.	10.3 63	10.3 80			
Mud Resist.	3.76 @ 68°F	3.58 @ 64°F	@ °F	@ °F	@ °F
" Res. BHT	2.11 @ 122°F	1.85 @ 126°F	@ °F	@ °F	@ °F
Rmf	2.72 @ 68°F	2.57 @ 64°F	@ °F	@ °F	@ °F
Rmc	4.58 @ 68°F	4.38 @ 64°F	@ °F	@ °F	@ °F
" pH	8.5 @ °F	8.4 @ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.3 CC30 min.	5.8 CC30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8	7 7/8			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	2 HRS	1 HR.			
Truck No.	2517 V	2517 V			
Recorded By	LANGILL	LANGILL			
Witness	BOCELL	BOCELL			

SCHLUMBERGER

INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH OIL SPRINGS OIL SPRINGS UNIT NO. 5 D. J. STONE	COMPANY <u>D. J. STONE</u> <hr/> WELL <u>OIL SPRINGS UNIT NO. 5</u> FIELD <u>OIL SPRINGS</u> COUNTY <u>UINTAH</u> STATE <u>UTAH</u> <hr/> LOCATION <div style="display: flex; justify-content: space-around;"> 1973 W 1980 S </div> Sec. <u>5</u> Twp. <u>12S</u> Rge. <u>24E</u>	Other Services: SGR-C <div style="text-align: right; font-weight: bold;">466</div>
Permanent Datum: <u>GROUND LEVEL</u> , Elev. <u>6106</u> Log Measured From <u>K.B.</u> , <u>11</u> Ft. Above Perm. Datum Drilling Measured From <u>K.B.</u>		Elev.: K.B. <u>6117</u> D.F. <u>6116</u> G.I. <u>6106</u>	
Date	12-9-63	2-2-64	
Run No.	ONE	TWO	
Depth—Driller	2992	3812	
Depth—Logger	2831	3829	
Btm. Log Interval	2830 ^{29.0}	3828 ^{29.5}	
Top Log Interval	225	2850	
Casing—Driller	9 5/8 @ 224	7" @ 2848	@ @
Casing—Logger	225	2850	
Bit Size	8 3/4"	8 3/4 TO 2930, 6 1/8 TO T D	
Type Fluid in Hole	GEL CHEM.	GEL CHEM.	
Dens.	10.0	40	10.1 44
pH	5.0	- ml	8.0 6.8 ml ml ml
Source of Sample	FLOW LINE	PIT	
R _m @ Meas. Temp.	3.41 @ 75 °F	1.4 @ 73 °F	@ °F @ °F
R _{mf} @ Meas. Temp.	2.98 @ 75 °F	1.1 @ 75 °F	@ °F @ °F
R _{mc} @ Meas. Temp.	- @ - °F	1.4 @ 76 °F	@ °F @ °F
Source: R _{mf} R _{mc}	MP -	PRESS PRESS	
R _m @ BHT	2.8 @ 90 °F	0.96 @ 107 °F	@ °F @ °F
Time Since Circ.	3 HOURS	3 HOURS	
Max. Rec. Temp.	90 °F	107 °F	°F °F
Equip. Location	4529 VERNAL	4544 VERNAL	
Recorded By	HAMILTON	WARNER	
Witnessed By	BOCELL	BOCELL	

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY: UTAH FIELD or LOCATION: WILDCAT WELL LOCATION: OIL SPRINGS NO. 1 COMPANY: COMPANY SKY HI OIL COMPANY	COMPANY SKY HI OIL COMPANY	Location of Well
	WELL OIL SPRINGS NO. 1	ES
	FIELD WILDCAT	(ML)
	LOCATION SEC. 14 12S 24E NW 1/4 SE 1/4	<i>Noted Case 7-9-56.</i>
	COUNTY UTAH	Elevation: D.F.: K.B.: 6208 or G.L.: 6195
STATE UTAH	FILING No. 467	

RUN No.	ONE				
Date	6-7-56				
First Reading	5270 ^{32.9}				
Last Reading	237				
Feet Measured	5033				
Csg. Schlum.	237				
Csg. Driller	245				
Depth Reached	5271				
Bottom Driller	5270				
Depth Datum	KB				
Mud Nat.	OEM*				
Density	10.3				
Viscosity	63				
Resist.	1.08 @ 95 F	@	F	@	F
Res. BHT	.75 @ 140 F	@	F	@	F
pH	12 @ F	@	F	@	F
Wtr. Loss	2.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. F	140				
Bit Size	9"				
Spcgs.—AM	16"				
A M'	64"				
AO	18' 8"				
Opr. Rig Time	2 HRS.				
Truck No.	2793 R.S.				
Recorded By	SHROPSHIRE				
Witnessed By	DAVIS				

FOR B. WEST

SCHLUMBERGER**INDUCTION-ELECTRICAL LOG****SCHLUMBERGER WELL SURVEYING CORPORATION**

Houston, Texas

COUNTY <u>UINTAH</u> UTAH FIELD or LOCATION <u>OIL SPRINGS AREA</u> WELL # <u>1</u> STATE COMPANY <u>D. J. STONE</u>	COMPANY <u>D. J. STONE</u>	
	WELL <u># 1 STATE</u>	
	FIELD <u>OIL SPRINGS AREA</u>	
	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	
LOCATION <u>NE - SW</u>		Other Services:
Sec. <u>16</u> Twp. <u>12S</u> Rge. <u>24E</u>		<u>S-GR/C</u> <u>468</u>
Permanent Datum: <u>G.L.</u> , Elev. <u>NA</u>		Elev.: K.B. <u>-</u>
Log Measured From <u>K.B.</u> , <u>11</u> Ft. Above Perm. Datum		D.F. <u>-</u>
Drilling Measured From <u>K.B.</u>		G.L. <u>-</u>
Date	<u>10-1-64</u>	
Run No.	<u>ONE</u>	
Depth—Driller	<u>3300</u>	
Depth—Logger	<u>3303</u>	
Btm. Log Interval	<u>3302</u> <u>37.0</u>	
Top Log Interval	<u>211</u>	
Casing—Driller	<u>9 5/8 @ 210</u>	@ @ @
Casing—Logger	<u>211</u>	
Bit Size	<u>7 7/8"</u>	
Type Fluid in Hole	<u>GEL</u>	
	<u>CHEMICAL</u>	
Dens. Visc.	<u>10.4 45</u>	
pH Fluid Loss	<u>9.0 6.0 ml</u>	ml ml ml ml
Source of Sample	<u>FLOW LINE</u>	
R _m @ Meas. Temp.	<u>2.83 @ 82 °F</u>	@ °F @ °F @ °F
R _{mf} @ Meas. Temp.	<u>2.9 @ 78 °F</u>	@ °F @ °F @ °F
R _{mc} @ Meas. Temp.	<u>- @ - °F</u>	@ °F @ °F @ °F
Source: R _{mf} R _{mc}	<u>PRESS CHART</u>	
R _m @ BHT	<u>2.1 @ 112 °F</u>	@ °F @ °F @ °F
Time Since Circ.	<u>3 HOURS</u>	
Max. Rec. Temp.	<u>112 °F</u>	°F °F °F °F
Equip. Location	<u>2598 G.J.</u>	
Recorded By	<u>MONTGOMERY</u>	
Witnessed By	<u>BOCELL</u>	

SCHLUMBERGER

SONIC LOG GAMMA RAY

(WITH CALIPER)

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTAH
 FIELD or LOCATION WILDCAT
 WELL EVACUATION
 CREEK NO. 23-2-1
 COMPANY PACIFIC NATURAL

COMPANY PACIFIC NATURAL GAS EXPLORATION

COMPANY

WELL EVACUATION CREEK NO. 23-2-1

FIELD WILDCAT

COUNTY UINTAH STATE UTAH

LOCATION

NE SW

Sec. 2 Twp. 12S Rge. 25E

Other Services:

I-ES, FDL,
 FIT 469

Permanent Datum: G.L., Elev. 5786.6

Log Measured From K.B., 12.8Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev.: K.B. 5799.4

D.F.

G.L. 5786.6

JW

Date	6-14-64	7-6-64		
Run No.	ONE	TWO		
Depth—Driller	4322	8300		
Depth—Logger	4319	8299		
Btm. Log Interval	4317 26.6	8297 24.6		
Top Log Interval	158	4322		
Casing—Driller	10 3/4 @ 158	7 5/8 @ 4322	@	@
Casing—Logger	158	4322		
Bit Size	9 7/8"	6 3/4"		
Type Fluid in Hole	GEL	CHEM GEL-		
	CONTROL-X	GILSONITE BASE		
Dens.	10.2	56	9.4	76
Visc.				
pH	10.0	8.8ml	9.0	NA ml
Fluid Loss				ml
Source of Sample	FLOW LINE	FLOW LINE		
R _m @ Meas. Temp.	1.9 @ 81°F	2.02 @ 72°F	@	°F
R _{mf} @ Meas. Temp.	1.5 @ 81°F	1.55 @ 76°F	@	°F
R _{mc} @ Meas. Temp.	2.3 @ 79°F	1.0 @ 157°F	@	°F
Source: R _{mf} R _{mc}	PRESS PRESS	M C		
R _m @ BHT	1.4 @ 108°F	1.0 @ 157°F	@	°F
Time Since Circ.	4 HOURS	5 HOURS		
Max. Rec. Temp.	108 °F	157 °F		°F
Equip. Location	4544 VERNAL	4529 VERNAL		
Recorded By	WARNER	WINKLER		
Witnessed By	TAYLOR	TAYLOR		

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Sonic Log

COUNTY UINTAH FIELD or LOCATION SEC. 18-12S-25E WELL OIL SPRINGS #5 COMPANY ALAMO CORPORATION	COMPANY ALAMO CORPORATION	Other Surveys IES - ML
	WELL OIL SPRINGS # 5	Location of Well
	FIELD WILDCAT	MAR 24 1961 470
	LOCATION SEC. 18-12S-25E 1980' FSL & 553' FWL	
	COUNTY UINTAH	Elevation: K.B.: _____ D.F.: 6302 or G.L.: 6293.5
STATE UTAH		

Log Depths Measured From K.B. 10 Ft. above GROUND LEVEL

RUN No.	ONE		
Date	3-20-61		
First Reading	4708	232	
Last Reading	1500		
Feet Measured	3208		
Csg. Schlum.	-		
Csg. Driller	188		
Depth Reached	4712		
Bottom Driller	4704		
Mud Nat.	CHEM-GEL		
Dens.	9.8	52	
Visc.			
Mud Resist.	2.1 @ 75 °F	@ °F	@ °F
" Res. BHT	1.5 @ 105 °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F
" Wtr. Loss	CC 30 min	CC 30 min	CC 30 min
" Rmf	1.3 @ 80 °F	@ °F	@ °F
Bit Size	9"		
Spacing:			
T R ₁ 3 R ₂	To T.D.	To	To
T R ₁ R ₂	To	To	To
Opr. Rig Time	2 HR		
Truck No.	1517 VERNAL		
Recorded By	DILLI		
Witness	BOCELL		

BAROID WELL LOGGING SERVICE

WELL: H.M. STALLSBY NO. 2
 COMPANY: H.M. STALLSBY BROS.
 FIELD: WINDCAT
 COUNTY: LIMTAN STATE: ILLINOIS

DEPTH LOGGED FROM 280 TO 854 FT
 DATE LOGGED 11-1-60 TO 1-30-61
 DEPTH MEASURED FROM KELLY BUSHINGS

SUPERVISING ENGINEER: M.W. MCENAMEN
 TYPE MUDS: GEL-LIOW PH TO 2200 FT
 LIME-OIL EMULSION TO 854 FT

LEGEND

ABBREVIATIONS

MUD CHARACTERISTICS
 NB NEW BIT W WEIGHT, LBS/GAL LBS/QUFT
 NCB NEW CORE BIT V VISCOSITY, API, SECONDS
 CO CIRCULATED OUT F FILTRATE, API, CC'S
 DST DRILL STEM TEST CK FILTER CAKE
 LAT LOGGED AFTER TRIP & CL SALINITY, PPM CL GPG CL
 TG TRIP GAS Rm MUD RESISTIVITY, OHM-METER
 NR NO RETURNS Rmc MUD-CAKE RESISTIVITY, OHM-METER
 DS DIRECTIONAL SURVEY Rmf MUD-FILTRATE RESISTIVITY, OHM-METER
 DC DEPTH CORRECTION
 LAT INTERNAL LOGGED AFTER TRIP

LITHOLOGY

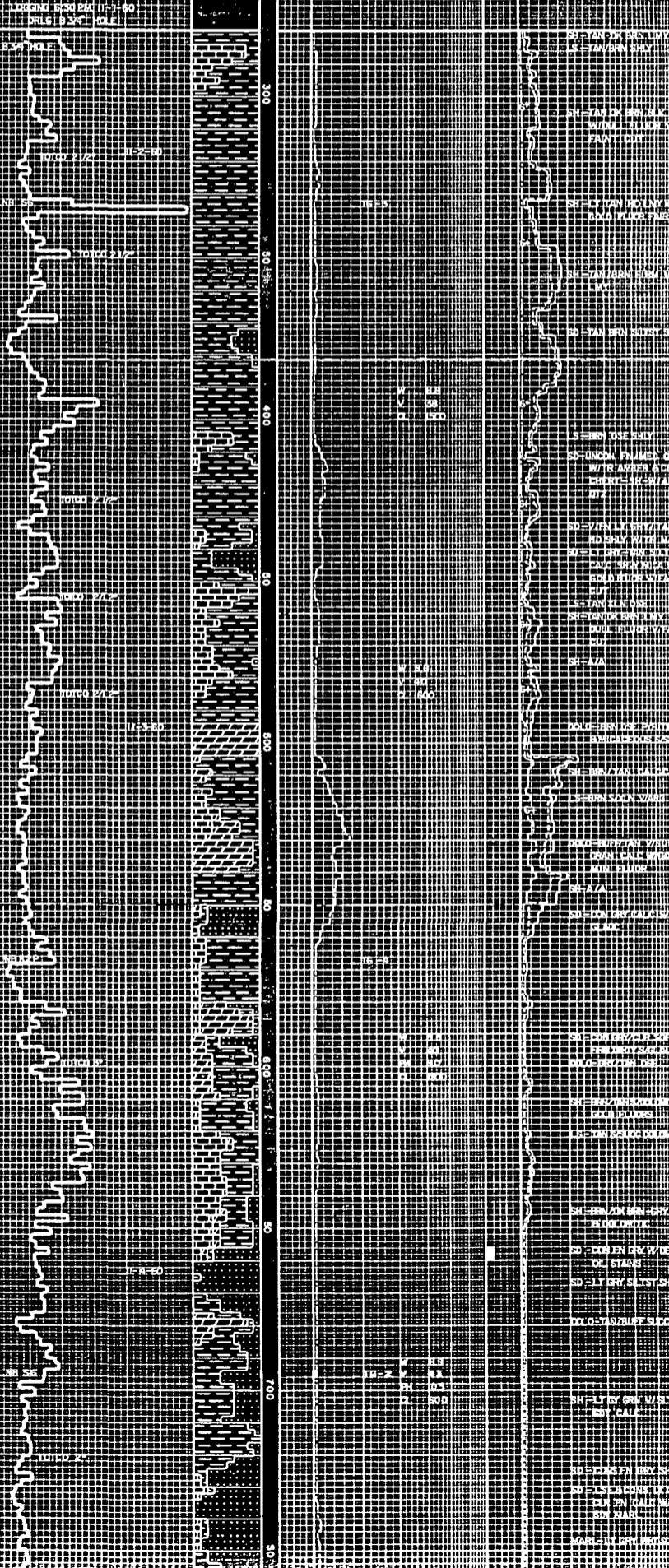
SAND [Pattern] LIMESTONE [Pattern]
 SHALE [Pattern] OOLITIC LIMESTONE [Pattern]
 CLAY [Pattern] DOLOMITE [Pattern]
 CHERT [Pattern] GYPSUM, ANHYDRITE [Pattern]
 SALT [Pattern] COAL OR LIGNITE [Pattern]
 SILTSTONE [Pattern] GRANITE WASH [Pattern]
 CONGLOMERATE [Pattern]

DRILLING RATE

FT PER HR MIN PER FT
 5 10 15 20 25 GSI

OIL & GAS ANALYSIS

METHANE (BY DIFFERENCE) LIQUID HYDROCARBONS (C₂-C₆) METHANE (DIRECT) TOTAL GAS



JUL 18 1963

453




Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION SEC. 5-13S-20E WELL BYLLESBY #2 COMPANY H.M. BYLLESBY & COMPANY	COMPANY <u>H.M. BYLLESBY</u>	Other Surveys ML GRN SG SGR
	<u> </u> COMPANY	Location of Well
	WELL <u>BYLLESBY #2</u>	
	FIELD <u>WILDCAT</u>	Elevation: D.F.: <u> </u> K.B.: <u>6163</u> or G.I.: <u>6154</u>
LOCATION <u>SEC. 5-13S-20E //</u>	STATE <u>UTAH</u>	FILING No. <u>953</u>
	COUNTY <u>UINTAH</u>	

RUN No.	ONE	TWO	THREE	FOUR	
Date	11-27-60	12-7-60	1-11-61	1-30-61	
First Reading	5196 ^{32.3}	5984 ^{23.4}	7792 ^{22.2}	8516 ^{22.0}	
Last Reading	280	4996	5984	7792	
Feet Measured	4916	988	1808	724	
Csg. Schlum.	280	-	-	-	
Csg. Driller	278	-	278	278	
Depth Reached	5202	5990	7798	8522	
Bottom Driller	5202	5990	7791	8514	
Depth Datum	K.B.	K.B.	K.B.	K.B.	
Mud Nat.	LIME EMUL	LIME EMUL	LIME EMUL	LIME EMUL	
Dens. Visc.	9.7 48	9.7 44	9.8 65	9.9 76	
Mud Resist.	2.6 @ 80°F	1.6 @ 70°F	1.5 @ 65°F	1.52 @ 75°F	@ °F
" Res. BHT	1.5 @ 140°F	0.91 @ 123°F	0.7 @ 140°F	0.76 @ 148°F	@ °F
Rmf M	1.5 @ 80°F	0.84 @ 70°F	1.3 @ 65°F	1.48 @ 68°F	@ °F
Rmc M	2.7 @ 80°F	2.6 @ 70°F	1.4 @ 65°F	2.10 @ 68°F	@ °F
" pH	12 @ °F	12.5 @ - °F	12.5 @ °F	12.5 @ °F	@ °F
" Wtr. Loss	2.9 CC30 min.	1.6 CC30 min.	1.4 CC30 min.	1.8 CC30 min.	CC30 min.
Bit Size	8 3/4"	8 3/4"	8 3/4"	8 3/4"	
Spcgs.—AM	16"	16"	16"	16"	
MN	27'2"	27'2"	27'2"	27'2"	
IND	5FF40	5FF40	5FF40	5FF40	
Opr. Rig Time	2 HRS.	2 HRS.	2 HRS.	1 HR.	
Truck No.	1517 VNL	1517 VNL	1517 VNL	1517 VNL	
Recorded By	ZIVLEY	ZIVLEY	DANIELS	LANGILL	
Witness	COVINGTON	COVINGTON	COVINGTON	COVINGTON	

S U R V E Y I N F O R M A T I O N


ELECTRICAL

Location of Well  9419 E.P. 5769 G.L.	CO. <u>SURVEY OIL CORP.</u> WELL <u>#1 Utah Corp.</u> FIELD <u>Agency Draw (W)</u> LOC <u>C NE SW</u> <u>12-13S-20R 12</u> CO. <u>Uintah</u> STATE <u>Utah</u>	CO. <u>Uintah</u> LOC <u>C NE SW 12-13S-20R</u> WELL <u>#1 Utah Corp.</u> CO. <u>SURVEY OIL CORP.</u>
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	One	Two			
DATE	11-15-53	11-24-53			
FIRST READING	6901	7314			
LAST READING	456	6901			
FORTYFEET READER	6445	413			
COR SHOULDER	456	510			
COR SHO DRILLER	453	514			
MAX. DEPTH REACHED	6901	7314			
BOYTON DRILLER	6900	7316			
DEPTH DATE	KB	KB			
NO. OF DAYS	GBI	Get Chen			
DENSITY	9.9	9.9			
VISCOSITY	45	60			
RESISTIVITY	3.8 75	4.4 60			
RESISTIVITY	3 120	1.75 15			
WATER LOSS					
MAXIMUM TEMP.	120	155			
BIT SIZE	9"	9"			
SPACING	16"	16"			
A.M.	64"	64"			
A.D.	15'8"	15'8"			
E. S. RIG TIME	2 hrs.	5 hrs.			
TRUCK NO.	782	782			
RECORDED BY	RUSSEN	Covey			
WITNESSED BY	HOOVIER	Ramsey			

REMARKS

Mud sample from flow line.

Spontaneous-Potential millivolts	SHURD	Resistivity ohms. m ² /m
		Normal
		100
		1000
		Long Normal
		100
		1000
	L.R. 456	Lateral
		100
		1000
		10000
		Amplified Normal

471

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH
 FIELD or LOCATION 23-13S-20E
 WELL BYLLESBY #3
 COMPANY H. M. BYLLESBY
3 COMPANY

COMPANY H. M. BYLLESBY

3 COMPANY

WELL BYLLESBY #3

FIELD WILDCAT

LOCATION SEC. 23-13S-20E 12

COUNTY UINTAH

STATE UTAH

Other Surveys

ML. SL. GRN

Location of Well

SEC. 23-13S-20E
 1401' FSL
 1270' FWL

Elevation: D.F.: _____
 K.B.: 6137
 or G.L.: 6127

FILING No. 472

RUN No.	ONE				
Date	1-22-61				
First Reading	6913 245				
Last Reading	312				
Feet Measured	6601				
Csg. Schlum.	312				
Csg. Driller	305				
Depth Reached	6913				
Bottom Driller	6913				
Depth Datum	KB				
Mud Nat.	OIL EMULSION				
Dens. Visc.	9.6 75				
Mud Resist.	2.9 @ 70°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.45 @ 138°F	@ °F	@ °F	@ °F	@ °F
Rmf	2.7 @ 70°F	@ °F	@ °F	@ °F	@ °F
Rmc	3.2 @ 70°F	@ °F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	4.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	27' 2"				
IND.	5FF40				
Opr. Rig Time	3 HRS.				
Truck No.	1517				
Recorded By	LANGILL				
Witness	DALRYMPLE				

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL UINTAH OIL ASSOCIATION # 1 COMPANY SINCLAIR OIL & GAS COMPANY	COMPANY	SINCLAIR OIL & GAS COMPANY	Other Surveys SGR-C	
	WELL	UINTAH OIL ASSOCIATION # 1		Location of Well
	FIELD	WILDCAT		
	LOCATION	SEC 8-13S-21E 4 660' FNL & 660' FWL	Elevation: D.F.: K.B.: or G.L.: 5945	
	COUNTY	UINTAH	FILING No. 200 073	
	STATE	UTAH		

RUN No.	ONE	TWO			
Date	1-6-62	3-19-62			
First Reading	3927 ^{24.6}	7433 ^{23.8}			
Last Reading	550	4113			
Feet Measured	3377	2321			
Csg. Schlum.	550	4113			
Csg. Driller	550	4113			
Depth Reached	3933	7440			
Bottom Driller	3920	7433			
Depth Datum	GL	GL			
Mud Nat.	CHEM-GEL	CHEM-GEL			
Dens. Visc.	9.7 @ 67	9.8 @ 75			
Mud Resist.	3.4 @ 68 °F	@ 64 °F	@ °F	@ °F	@ °F
" Res. BHT	2.4 @ 98 °F	@ 142 °F	@ °F	@ °F	@ °F
(M) Rmf	1.6 @ 52 °F	@ 63 °F	@ °F	@ °F	@ °F
(C) Rmc	4.0 @ 52 °F	@ 64 °F	@ °F	@ °F	@ °F
" pH	8.5 @ - - °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.6 CC 30 min.	5.9 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"	7 7/8"			
Spcgs.—AM	16"	16"			
MN	27'2"	24'6"			
IND.	5FF40	6FF40			
Opr. Rig Time	2 1/2 HRS	2 HOURS			
Truck No.	1588 FARM	1593 V.			
Recorded By	HANDLEY	LEDY			
Witness	WHITNEY	MARVIN			

SCHLUMBERGER

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH WILDCAT UINTAH OIL ASSOCIATION #2 SINCLAIR OIL &	COMPANY <u>SINCLAIR OIL & GAS COMPANY</u>
	WELL <u>UINTAH OIL ASSOCIATION NO. 2</u>	
	FIELD <u>WILDCAT</u>	
	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	
LOCATION <u>1980' FSL & 2096' FEL</u>		Other Services: I-ES 474
Sec. <u>8</u> Twp. <u>13S</u> Rge. <u>21E</u>		

Permanent Datum: G.L., Elev. 5936.45 Elev.: K.B. -
 Log Measured From K.B., - Ft. Above Perm. Datum D.F. -
 Drilling Measured From K.B. G.L. 5936.45

Date	11-6-64					
Run No.	ONE					
Depth—Driller	3950					
Depth—Logger	3950					
Btm. Log Interval	3945 31.0					
Top Log Interval	378					
Casing—Driller	9 5/8@	378	@	@	@	@
Casing—Logger	378					
Bit Size	8 3/4"					
Type Fluid in Hole	GEL-CHEM					
Dens.	Visc.	10.1	58			
pH	Fluid Loss	9.5	4.8 ml	ml	ml	ml
Source of Sample	FLOW LINE					
R _m @ Meas. Temp.	2.35 @	77 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	1.85 @	77 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	- @	- °F	@	°F	@	°F
Source: R _{mf} R _{mc}	F.P.	A-4				
R _m @ BHT	1.6 @	112 °F	@	°F	@	°F
Time Since Circ.	6 HOURS					
Max. Rec. Temp.	112	°F		°F		°F
Equip. Location	4544 VERNAL					
Recorded By	HANDLEY					
Witnessed By	MARVIN & COLBY					

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DUAL INDUCTION - LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH
FIELD or LOCATION SEEP RIDGE
WELL GOV'T "AG" #1
COMPANY TEXACO - SKYLINE

COMPANY TEXACO - SKYLINE

WELL GOV'T "AG" #1

FIELD SEEP RIDGE

COUNTY UINTAH STATE UTAH

Location: CENTER NW NW
API Serial No. 43-047-30170
Sec. 20 Twp. 13S Rge. 21E

Other Services:
BHC-GR 475
FDC-CNL-GR
38 CC

Permanent Datum: G.L. ; Elev.:
Log Measured From K.B. , Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 6261
D.F.
G.L. 6249

Date	9/19/74					
Run No.	ONE					
Depth-Driller	12261					
Depth-Logger	12238					
Btm. Log Interval	12236 27.6					
Top Log Interval	588					
Casing-Driller	10 3/4	587	@	@	@	@
Casing-Logger	588					
Bit Size	7 7/8					
Type Fluid in Hole	FGM					
Fluid Level	FULL					
Dens.	9.6	44				
Visc.						
pH	9.0	8.8 ml		ml	ml	ml
Fluid Loss						
Source of Sample	CIRC.					
R _m @ Meas. Temp.	2.21	@ 78 °F	@	°F	@	°F
R _{mf} @ Meas. Temp.	1.24	@ 83 °F	@	°F	@	°F
R _{mc} @ Meas. Temp.	3.31	@ 78 °F	@	°F	@	°F
Source: R _{mf}	M	C				
R _m @ BHT	.4	@ 230 °F	@	°F	@	°F
Time Since Circ.	16 HR					
Max. Rec. Temp.	230	°F		°F		°F
Equip.	7683	VERN				
Location	HAUGAARD					
Recorded By	WHICKER					
Witnessed By						

RETURN
TO
CASPER

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

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SONIC LOG

COUNTY UINTAH FIELD or LOCATION SEEP RIDGE WELL COMPANY TEXACO - SKYLINE	COMPANY <u>TEXACO - SKYLINE</u>	
	WELL <u>GOV'T "AG" #1</u>	
	FIELD <u>SEEP RIDGE</u>	
	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	
LOCATION: API Serial No. <u>43-047-30170</u>		Other Services: FDC, CNL, GR DIL <u>475</u> <u>39cc</u>
CENTER NW NW Sec. <u>20</u> Twp. <u>13S</u> Rge. <u>21E</u>		
Permanent Datum: <u>G.L.</u> ; Elev.: _____ Log Measured From <u>K.B.</u> , _____ Ft. Above Perm. Datum Drilling Measured From <u>K.B.</u>		Elev.: K.B. <u>6261</u> D.F. _____ G.L. <u>6249</u>
Date	<u>9/19/74</u>	
Run No.	<u>ONE</u>	
Depth—Driller	<u>12261</u>	
Depth—Logger	<u>12238 27.3</u>	
Btm. Log Interval	<u>12235</u>	
Top Log Interval	<u>120</u>	
Casing—Driller	<u>10-3 @ 587</u>	<u>@ @ @</u>
Casing—Logger	<u>586</u>	
Bit Size	<u>7 7/8</u>	
Type Fluid in Hole	<u>FGM</u>	
Dens.	Visc.	<u>9.6 44</u>
pH	Fluid Loss	<u>9.0 8.8 ml</u> ml ml
Source of Sample	<u>CIRC.</u>	
R _m @ Meas. Temp.	<u>2.21 @ 78°F</u>	<u>@ °F @ °F @</u>
R _{mf} @ Meas. Temp.	<u>1.24 @ 83°F</u>	<u>@ °F @ °F @</u>
R _{mc} @ Meas. Temp.	<u>3.31 @ 78°F</u>	<u>@ °F @ °F @</u>
Source: R _{mf} R _{mc}	<u>M C</u>	
R _m @ BHT	<u>.72 @ 228°F</u>	<u>@ °F @ °F @</u>
TIME Circulation Stopped	<u>10 HR</u>	
Max. Rec. Temp.	<u>228 °F</u>	<u>°F °F</u>
Equip. Location	<u>7683 VERN</u>	
Recorded By	<u>HAUGAARD</u>	
Witnessed By	<u>WHICKER</u>	

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UNSATURATED
FORMATION DENSITY LOG

Gamma-Gamma

COUNTY UINTAH
FIELD or LOCATION SEEP RIDGE
WELL GOV'N'T SA CHORNEY
NCT-1
COMPANY TEXACO-SKYLINE

COMPANY TEXACO - SKYLINE

WELL GOV'N'T SA CHORNEY NCT-1

FIELD SEEP RIDGE

COUNTY UINTAH STATE UTAH

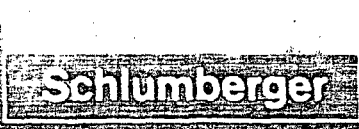
Location: 2130' FNL 1980' FWL
C SE NW
Sec. 11 Twp. 13S Rge. 22E

Other Services:
DIL
CNL **476**
BHC-GR
HF-SH LOG

Permanent Datum: G.L.; Elev.: 6485
Log Measured From K.B., 16 Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 6501
D.F. _____
G.L. 6485

Date	8-5-74				
Run No.	ONE				
Depth-Driller	12074				
Depth-Logger	12074				
Btm. Log Interval	12072 26.0				
Top Log Interval	614				
Casing-Driller	10 3/4 @ 619	@	@	@	@
Casing-Logger	614				
Bit Size	7 7/8				
Type Fluid in Hole	FGM				
Fluid Level	FULL				
Dens.	Visc.	11.1	44		
pH	Fluid Los	10.8	8 ml	ml	ml
Source of Sample	MUDPIT				
R _m @ Meas. Temp.	2.36 @ 90 °F	@ °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	1.56 @ 90 °F	@ °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	3.58 @ 90 °F	@ °F	@ °F	@ °F	@ °F
Source: R _{mf}	R _{mc}	M	C		
R _m @ BHT	1.0 @ 217 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	23 HOURS				
Max. Rec. Temp.	228 °F	°F	°F	°F	°F
Equip.	Location	7683	VRNL		
Recorded By	HAUGAARD				
Witnessed By	HA WOOD	WHICKER	NEWMAN		



BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

(WITH CALIPER)

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>SEEP RIDGE</u> WELL <u>GOVN'T SA CHORNEY</u> <u>NCT-1</u> COMPANY <u>TEXACO-SKYLINE</u>	COMPANY <u>TEXACO - SKYLINE</u> <hr/> WELL <u>GOVN'T SA CHORNEY NCT-1</u> FIELD <u>SEEP RIDGE</u> COUNTY <u>UINTAH</u> STATE <u>UTAH</u> <hr/> Location: <u>2130' FNL</u> API Serial No. <u>7114</u> <u>C SE NW</u> <u>1980' FWL</u> Sec. <u>11</u> Twp. <u>13S</u> Rge. <u>22E</u>
	Other Services: <u>DIL</u> <u>FDC, CNL, GR</u> <div style="text-align: right; font-size: 1.2em;"><u>476</u></div>

Permanent Datum: <u>GL</u> ; Elev.: <u>6485</u> Log Measured From <u>KB</u> , <u>16.0</u> Ft. Above Perm. Datum Drilling Measured From <u>KB</u>	Elev.: K.B. <u>6501</u> D.F. _____ G.L. <u>6485</u>
--	---

Date	8-4-74				
Run No.	ONE				
Depth-Driller	12074				
Depth-Logger	12074				
Btm. Log Interval	12066 26.0				
Top Log Interval	602				
Casing-Driller	10 3/4 @ 604	@	@	@	@
Casing-Logger	602				
Bit Size	7 7/8				
Type Fluid in Hole	EGM				
Fluid Level	FULL				
Dens.	11.1	44			
pH	10.8	8 ml	ml	ml	ml
Source of Sample	MUDPIT				
Rm @ Meas. Temp.	2.36 @ 90 °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.56 @ 90 °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.58 @ 90 °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf	M	C			
Rm @ BHT	1.0 @ 217 °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	7 HOURS				
Max. Rec. Temp.	217 °F	°F	°F	°F	°F
Equip.	7683	VRNL			
Recorded By	STRAWN				
Witnessed By	MR. HAYWOOD	WHICKER	NEWMAN		

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DUAL INDUCTION LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH
FIELD SEEP RIDGE
LOCATION SEEP RIDGE # 8
WELL SEEP RIDGE # 8
COMPANY TEXACO, INC.

COMPANY _____ TEXACO, INC. _____

WELL _____ SEEP RIDGE # 8 _____

FIELD _____ SEEP RIDGE _____

COUNTY _____ UINTAH STATE _____ UTAH _____

LOCATION	2312' FSL & 2161' FEL			
API SERIAL NO.	SEC.	TWP	RANGE	
	14	13S	22E	10

Other Services:
FDC-CNL-GR
TAPING

477

Permanent Datum: _____ GL _____; Elev.: 6586
Log Measured From _____ KB _____ 14 Ft. Above Perm. Datum
Drilling Measured From _____ KB _____

Elev.: K.B. 6600
D.F. _____
G.L. 6586

Date	3/22/78	4/3/78		
Run No.	ONE	TWO		
Depth-Driller	10359	10782		
Depth-Logger	10364	10789		
Btm. Log Interval	10358 23.2	10783 29.2		
Top Log Interval	680	10482		
Casing-Driller	9 5/8 @ 679	7" @ 10482	@	@
Casing-Logger	680	10482		
Bit Size	8 3/4	6 1/8		
Type Fluid in Hole	LIME BASE	FGM		
Dens.	9.4	50	8.9	38
pH	12.5	8.8 ml	--	-- ml
Fluid Loss				
Source of Sample	FLOWLINE	MUD PIT		
Rm @ Meas. Temp.	1.43 @ 58 °F	1.95 @ 52 °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.08 @ 58 °F	1.98 @ 52 °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.86 @ 58 °F	1.85 @ 52 °F	@ °F	@ °F
Source: Rmf	M	C		
Rmc				
Rm @ BHT	.50 @ 177 °F	0.47 @ 218 °F	@ °F	@ °F
TIME				
Circulation Stopped	1600	2045		
Logger on Bottom	2300	0515		
Max. Rec. Temp.	177 °F	218 °F	°F	°F
Equip.	7674	7634	VERNAL	VERNAL
Location				
Recorded By	HAUGAARD	SMITH		
Witnessed By	ELLETSON	MELVIN		

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

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INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL UINTAH #1 FEDERAL - 171 COMPANY SINCLAIR OIL & GAS COMPANY	COMPANY SINCLAIR OIL & GAS COMPANY	Other Surveys S/GRIC
	WELL UINTAH # 1	Location of Well
	FEDERAL - 171	
	FIELD WILDCAT	
	LOCATION SEC. 14-13S-22E	
	1980 FNL, 1900 FWL	Elevation: D.F.: K.B.: or G.L.: 6540
COUNTY UINTAH		FILING No. <i>200</i> 478
STATE UTAH		

RUN No.	ONE				
Date	9-1-62				
First Reading	6601 <i>13.2</i>				
Last Reading	565				
Feet Measured	5036				
Csg. Schlum.	565				
Csg. Driller	600				
Depth Reached	6602				
Bottom Driller	6600				
Depth Datum	G.L.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.4 51				
Mud Resist.	2.2 @ 80 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.3 @ 129 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.8 @ 76 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.0 @ 73 °F	@ °F	@ °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.6 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	12 1/4 TO 15 0" TO T.D.				
Spcgs.—AM	16"				
MN	34 1/2"				
IND.	6FF40				
Opr. Rig Time	3 1/2 HOURS				
Truck No.	1593 VERNAL				
Recorded By	WARNER				
Witness	WHITNEY & COLBY				

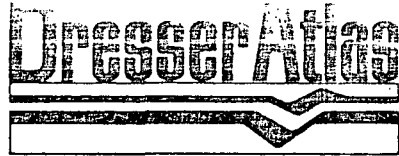
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INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH WILDCAT UINTAH FEDERAL 122 # 1 SINCLAIR OIL AND GAS COMPANY	COMPANY <u>SINCLAIR OIL AND</u> <u>GAS COMPANY</u>	Other Surveys SGR/C
		WELL <u>UINTAH FEDERAL</u> <u>122 # 1</u>	Location of Well
		FIELD <u>WILDCAT</u>	
		LOCATION <u>SEC. 18-13S-22E</u> <u>NE SE</u>	Elevation: D.F.: K.B.: or G.L.: <u>6038</u>
		COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	FILING No. <u>479A</u>

RUN No.	ONE				
Date	6-13-62				
First Reading	6303 272				
Last Reading	614				
Feet Measured	5889				
Csg. Schlum.	614				
Csg. Driller	616				
Depth Reached	6504				
Bottom Driller	6500				
Depth Datum	GL				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.8 75				
Mud Resist.	1.74 @ 87 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.1 @ 139 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.4 @ 80 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.9 @ 87 °F	@ °F	@ °F	@ °F	@ °F
" pH	9.0 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 1/2 H				
Truck No.	1593 V.				
Recorded By	LEDY				
Witness	WHITNEY				



Green Induction Focused Log

WITH LINEAR CORRELATION LOG

FILE NO. R-245	COMPANY TEXACO INCORPORATED		
	WELL TEXACO SKYLINE SEEP RIDGE UNIT # 3		
	FIELD SEEP RIDGE		
	COUNTY UINTAH	STATE UTAH	
	LOCATION: C. S. E. 1/4 NW 1/4 1690' FNL & 2268' FWL		Other Services BHC-AL-GR CDL-GR CNL-GR
	SEC 22	TWP 13 S.	RGE 22 E. 480

Permanent Datum	GROUND LEVEL	Elev. 6363	KB Elevations: 6379
Log Measured from	KELLY BUSHING	16 Ft. Above Permanent Datum	DF
Drilling Measured from	KELLY BUSHING		GL 6363

Date	10-18-74			
Run No.	ONE			
Depth—Driller	10.537			
Depth—Logger	10.534 2<.8			
Bottom Logged Interval	10.532			
Top Logged Interval	603			
Casing—Driller	10 3/4@601	@	@	@
Casing—Logger	603			
Bit Size	7 7/8			
Type Fluid in Hole	CHEM-GFI			
	@	@	@	@
Density and Viscosity	13.0 50.0			
pH and Fluid Loss	9.5 6.0 cc	cc	cc	cc
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	98 @ 82 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	70 @ 70 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.60 @ 72 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	M M			
Rm @ BHT	415 @ 194 °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HOURS			
Max. Rec. Temp. Deg. F.	194 °F	°F	°F	°F
Equip. No. and Location	HL-60B9 ROSVLT			
Recorded By	MARTIN			
Witnessed By	MR. ETHRIDGE			

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**BOREHOLE COMPENSATED
SONIC LOG - GAMMA RAY**

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>TEXACO SKYLINE GOV'T. CHORNEY B (NCT-1) NO. 1</u> COMPANY <u>TEXACO INC.</u>	COMPANY <u>TEXACO INC.</u>	
	WELL <u>TEXACO SKYLINE GOV'T. JOAN CHORNEY "B" (NCT-1) NO. 1</u>	
	FIELD <u>WILDCAT</u>	
	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>	
LOCATION <u>2082' FWL</u> <u>1929' FNL</u>		Other Services: DIL FDC-GR 481
Sec. <u>23</u> Twp. <u>13S</u> Rge. <u>22E</u>		
Permanent Datum: <u>G.L.</u> , Elev. <u>6615</u>		Elev.: K.B. <u>6632</u>
Log Measured From <u>K.B.</u> , <u>17</u> Ft. Above Perm. Datum		D.F. <u>----</u>
Drilling Measured From <u>K.B.</u>		G.L. <u>6615</u>
Date	<u>2-13-72</u>	<u>4-1-72</u>
Run No.	<u>ONE</u>	<u>TWO</u>
Depth—Driller	<u>6550</u>	<u>13125</u>
Depth—Logger	<u>6547</u>	<u>13124</u>
Btm. Log Interval	<u>6545</u> <u>22.6</u>	<u>13122</u> <u>25.7</u>
Top Log Interval	<u>0</u>	<u>6546</u>
Casing—Driller	<u>13-3/8@600</u>	<u>9-5/8@6547</u>
Casing—Logger	<u>600</u>	<u>6546</u>
Bit Size	<u>12-1/4</u>	<u>8-3/4</u>
Type Fluid in Hole	<u>FGM</u>	<u>FGM</u>
		<u>NON-DISPERSED</u>
Dens.	<u>9.6</u>	<u>43</u>
Visc.	<u>8.5</u>	<u>8.8 ml</u>
pH	<u>8.5</u>	<u>8.5</u>
Fluid Loss	<u>8.5</u>	<u>6.2 ml</u>
Source of Sample	<u>MUDPIT</u>	<u>SUPPLIED</u>
R _m @ Meas. Temp.	<u>3.76 @ 80 °F</u>	<u>1.54 @ 80 °F</u>
R _{mf} @ Meas. Temp.	<u>3.27 @ 74 °F</u>	<u>1.15 @ 78 °F</u>
R _{mc} @ Meas. Temp.	<u>2.65 @ 80 °F</u>	<u>0.98 @ 80 °F</u>
Source: R _{mf} R _{mc}	<u>M C</u>	<u>M C</u>
R _m @ BHT	<u>2.38 @ 126 °F</u>	<u>0.71 @ 230 °F</u>
Time Since Circ.	<u>7 HOURS</u>	<u>18 HOURS</u>
Max. Rec. Temp.	<u>126 °F</u>	<u>238 °F</u>
Equip. Location	<u>7022 R.S.</u>	<u>5640 VERNAL</u>
Recorded By	<u>GOVERTSEN</u>	<u>FARR</u>
Witnessed By	<u>FARRAR</u>	<u>FARRAR</u>

**RELEASED FOR
STATE OF UTAH
USE ONLY**



COMPENSATED

Densilog

FILE NO. R-260	COMPANY TEXACO INCORPORATED	
	WELL TEXACO SK. LINE SEEP RIDGE UNIT #4	
	FIELD SEEP RIDGE	
	COUNTY UINTAH	STATE UTAH
	LOCATION: 1992'FWL & 2042'FWL SE - NW	Other Services DIFL-GR BHC-GR-CAL CDN 482 F LOG
	SEC 24 TWP 13 S. RGE 22 E	

Permanent Datum GROUND LEVEL	Elev. 6435	Elevations: KB 6451
Log Measured from KELLY BUSHING	16 Ft. Above Permanent Datum	DF
Drilling Measured from KELLY BUSHING		GL 6435

Date	12-19-74			
Run No.	ONE			
Depth—Driller	10.757			
Depth—Logger	10.738			
Bottom Logged Interval	10.746 30.4			
Top Logged Interval	4.000			
Casing—Driller	10 3/4 @ 590	@	@	@
Casing—Logger				
Bit Size	7 7/8			
Type Fluid in Hole	OIL BASE INVERTED			
Density and Viscosity	9.2 52			
pH and Fluid Loss		20 cc	cc	cc
Source of Sample	CIRCULATED			
Rm @ Meas. Temp.	10 + @ 80 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	10 + @ 80 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	10 + @ 80 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	M M			
Rm @ BHT	10 + @ 224 °F	@ °F	@ °F	@ °F
Time Since Circ.	40 HOURS			
Max. Rec. Temp. Deg. F.	224 °F	°F	°F	°F
Equip. No. and Location	HL-6089 ROSVLT			
Recorded By	MARTIN-MCCALL			
Witnessed By	MR. LARSON			



TEMPERATURE LOG

COMPANY TEXACO INC.	WELL SEEP RIDGE UNIT #5	FIELD SEEP RIDGE	COMPANY <u>TEXACO INC.</u>		
FIELD SEEP RIDGE	County UINTAH	State UTAH	WELL <u>SEEP RIDGE UNIT #5</u>		
			FIELD <u>SEEP RIDGE</u>		
			COUNTY <u>UINTAH</u>		STATE <u>UTAH</u>
			Location		Other Services:
			2213' FNL		LNDPL/CAVL CDL/DIGL FFMSG
			2132' FWL		
			Sec. <u>26</u>	Twp. <u>13S</u>	Rge. <u>22E</u>
					483
Permanent Datum <u>GROUND LEVEL</u>			Elev. <u>6575'</u>		Elev.: K.B. <u>6590'</u>
Log Measured From <u>KELLY BUSHING 15</u>			Ft. Above Perm. Datum		D.F. <u>-</u>
Drilling Measured From <u>KELLY BUSHING</u>					G.L. <u>6575'</u>
Run No.	<u>ONE</u>				
Date & Time Survey	<u>7-26-77</u>	<u>1100</u>			
Date & Time Cementing	<u>7-26-77</u>	<u>0100</u>			
Type Cementing Operation	<u>LONG STRING</u>				
Depth Driller	<u>10,185</u>				
Depth Welex	<u>10,185</u>				
Logged Interval	<u>6050</u>	to	<u>8260</u>	<u>36.2</u>	<u>???</u> to
Casing Driller	<u>5 1/2</u>	@	<u>TD</u>		@
Float Collar—D.V. Tool	<u>NA</u>				
Squeeze Depth	<u>NA</u>				
Amount & Type Cement	<u>850 SACKS 50/50. POZ MIX</u>				
Amount & Type Admix	<u>NA</u>				
Type Fluid in Hole	<u>WATER</u>				
Fluid Level	<u>FULL</u>				
Salinity PPM Cl	<u>NA</u>				
Weight lb/gal—Vis.	<u>NA</u>				
Approx. Logged Cem. Top	<u>7800</u>				
Calculated Cement Top	<u>7050</u>				
Max. Hole Temperature	<u>209</u>			°F.	°F.
Tool No.	<u>18716</u>				
Spacing Recorded	<u>NA</u>				
Equipment—Location	<u>0716</u>	<u>VERNAL</u>			
Recorded by	<u>E. CALLAHAN</u>				
Witnessed by	<u>MR. J. PRESLEY & MR. E. MELVIN</u>				

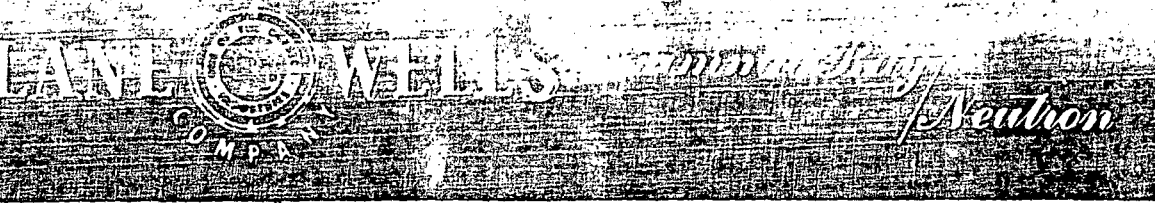
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**FRACTURE FINDER
MICRO-SEISMOGRAM® LOG**

COMPANY <u>TEXACO INC.</u>	COMPANY <u>TEXACO INC.</u>		
WELL <u>SEEP RIDGE UNIT #5</u>	WELL <u>SEEP RIDGE UNIT #5</u>		
FIELD <u>SEEP RIDGE</u>	FIELD <u>SEEP RIDGE</u>		
County <u>UINTAH</u> State <u>UTAH</u>	COUNTY <u>UINTAH</u> STATE <u>UTAH</u>		
	Location 2213' FNL 2132' FWL <u>SE-SE-NW</u> API 43-047-30276		Other Services: DIGL/CDL/CAVL LNDPL/TEMP
	Sec. <u>26</u> Twp. <u>13S</u> Rge. <u>22E</u>		13cc 483
	Permanent Datum <u>GROUND LEVEL</u> Elev. <u>6575'</u>	Elev.: K.B. <u>6590</u>	
	Log Measured From <u>KELLY BUSHING 15</u> Ft. Above Perm. Datum	D.F. <u>-</u>	
	Drilling Measured From <u>KELLY BUSHING</u>	G.L. <u>6575</u>	
Date	<u>7-24-77</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>10,220</u>		RETURN TO CASPER
Depth—Welex	<u>10,227' (SEE REMARKS)</u>		
Btm. Log Inter.	<u>10,220 74.5</u>		
Top Log Inter.	<u>5700</u>		
Casing—Driller	<u>8 5/8 @ 694</u>	@	@
Casing—Welex	<u>690</u>		@
Bit Size	<u>7-7/8</u>		
Type Fluid in Hole	<u>LIME-MORREX MUD</u>		
Dens. Visc.	<u>9.3+ 38</u>		
pH Fluid Loss	<u>12.0 17.5ml</u>	ml	ml
Source of Sample	<u>FLOWLINE</u>		
R _m @ Meas. Temp.	<u>1.5 @ 80 °F</u>	@ °F	@ °F
R _{ml} @ Meas. Temp.	<u>1.4 @ 68 °F</u>	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>2.3 @ 68 °F</u>	@ °F	@ °F
Source R _{ml} R _{mc}	<u>MEASURED</u>		
R _m @ BHT	<u>.59 @ 205°F</u>	@ °F	@ °F
Time Since Circ.	<u>24 HOURS</u>		
Max. Rec. Temp.	<u>205°F @ TD</u>	°F @	°F @
Equip. Location	<u>0716 VERNAL</u>		
Recorded By	<u>E. CALLAHAN</u>		
Witnessed By	<u>MR. B. LARSON & MR. R. MELVIN & MR. B. HICKS</u>		

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FILE NO:	COMPANY SKYLINE OIL CO.	
	WELL PRESTON M. NEILSON - SWEETWATER CREEK NO. 1	
FIELD WILDCAT		
COUNTY UINTAH		STATE UTAH
LOCATION: SE - SW - NE		Other Services
SEC 26 TWP 13S RGE 26E ^{23E}		I/L
		M/L
		484

Permanent Datum	G. L.	Elev.	KB
Log Measured from	K. B.	11 Ft. Above Permanent Datum	DF
Drilling Measured from	K. B.		GL

Date	7-13-60	7-13-60	
Run No.	ONE	ONE	
Depth—Driller	5852	5852	
Depth—Logger	5848	5848	
Bottom Logged Interval	5835 21.9	5847	
Top logged interval	SURFACE	SURFACE	
Type Fluid in Hole	OIL EMULSION		
Fluid Level	FULL	FULL	
Source Strength & Type	-	S10A3	
Source Spacing - inches	-	13.5	
Detector Class	D4G1	D6N1	
Detector Type	SCINT.	SCINT.	
Length Meas. Device - in	4"	4"	
O. D. of Instrument - in	3 5/8"	3 5/8"	
Time Constant - secs.	1.5	1.5	
Logging Speed - Ft./Min.	40	40	
Statistical Variation - in	RECORDED	RECORDED	
Sensitivity Reference	C-933	D-368	
Bit Size	6 5/8	6 5/8	
Casing	-	-	
Max. Rec. Temp. Deg. F.	115 °F	115 °F	°F °F
Equip. No. and Location	L4470 FARMINGTON	N. M.	
Recorded By	WRIGHT & BUCKLES		
Witnessed By	MR. NEILSON		

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

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SCHLUMBERGER**INDUCTION - ELECTRICAL LOG**

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH	WILDCAT	SWEETWATER CREEK UNIT #5	SKYLINE OIL CO	COMPANY SKYLINE OIL COMPANY				
					WELL SWEETWATER CREEK UNIT NO. 5				
					FIELD WILDCAT				
					COUNTY	UINTAH	STATE	UTAH	
				LOCATION	NE	SW	Other Services:		
				Sec. 26	Twp. 13S	Rge. 23E	SGR-C		
							485		
Permanent Datum: G.L. _____, Elev. 6427					Elev.: K.B. 6437				
Log Measured From K.B. _____, 10 Ft. Above Perm. Datum					D.F. 6436				
Drilling Measured From K.B. _____					G.L. 6427				
Date	10-12-64								
Run No.	ONE								
Depth—Driller	4421								
Depth—Logger	4414								
Btm. Log Interval	4414 26.9								
Top Log Interval	261								
Casing—Driller	13 3/8@ 259			@		@		@	
Casing—Logger	261								
Bit Size	7 7/8"								
Type Fluid in Hole	CHEM-GEL								
Dens.	Visc.	10.4	43						
pH	Fluid Loss	8.5	6.8 ml		ml		ml		ml
Source of Sample	MUD PIT								
R _m @ Meas. Temp.	2.78 @ 65 °F			@ °F		@ °F		@ °F	
R _{mf} @ Meas. Temp.	2.27 @ 65 °F			@ °F		@ °F		@ °F	
R _{mc} @ Meas. Temp.	1.5 @ 115 °F			@ °F		@ °F		@ °F	
Source: R _{mf}	R _{mc}	M	C						
R _m @ BHT	1.6 @ 115 °F			@ °F		@ °F		@ °F	
Time Since Circ.	4 HOURS								
Max. Rec. Temp.	115 °F			°F		°F		°F	°F
Equip. Location	4544 VERNAL								
Recorded By	WINKLER								
Witnessed By	BARDSLEY								

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL GOVERNMENT NO. 1 COMPANY RAYMOND OIL COMPANY	COMPANY	RAYMOND OIL	Other Surveys SGR/C Location of Well Elevation: D.F.: _____ K.B.: 7290 or G.L.: 7279 FILING No. 486
	COMPANY		
	WELL	GOVERNMENT NO. 1	
	FIELD	WILDCAT	
	LOCATION	SEC. 17-T13S-R25E NW NW	
	COUNTY	UINTAH	
STATE	UTAH		

RUN No.	ONE	TWO			
Date	12-24-62	1-19-63			
First Reading	5005 <i>24.0</i>	8839 <i>25.4</i>			
Last Reading	526	5005			
Feet Measured	4479	3834			
Csg. Schlum.	526	-			
Csg. Driller	530	530			
Depth Reached	5006	8840			
Bottom Driller	5000	8834			
Depth Datum	K.B.	K.B.			
Mud Nat.	OIL BASE	CHEM-GEL			
Dens. Visc.	9.5 67	9.6 101			
Mud Resist.	1.46 @ 61 °F	1.4 @ 78 °F	@ °F	@ °F	@ °F
Res. BHT	0.82 @ 111 °F	0.66 @ 168 °F	@ °F	@ °F	@ °F
Rmf	0.67 @ 111 °F	0.39 @ 168 °F	@ °F	@ °F	@ °F
Rmc	1.3 @ 111 °F	0.87 @ 168 °F	@ °F	@ °F	@ °F
pH	8.5 @ °F	10.0 @ °F	@ °F	@ °F	@ °F
Wtr. Loss	3.2 CC 30 min.	8.8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"	7 7/8"			
Spcgs.—AM	16"	16"			
MN	34'6"	34'6"			
IND.	6FF40	6FF40			
Opr. Rig Time	3 HOURS	1 HOUR			
Truck No.	2517 VERNAL	2517 VERNAL			
Recorded By	LEDY	LEDY			
Witness	SCI AKY	SCI AKY			

Schlumberger

SYNTHETIC US
**COMPENSATED NEUTRON
 FORMATION DENSITY**

COUNTY FIELD LOCATION WELL COMPANY	UINTAH ATCHEE DRY BURN #1 TAIGA ENERGY INC.	COMPANY <u>TAIGA ENERGY, INC.</u> <i>Coska Resources</i>			
	WELL <u>DRY BURN UNIT #1</u>				
	FIELD <u>ATCHEE RIDGE</u>				
	COUNTY <u>UINTAH</u>		STATE <u>UTAH</u>		
LOCATION <u>SE/4</u> <u>1447' FSL & 1389' FEL</u>		Other Services: <u>DIL-GR</u> JL <u>487</u>			
API SERIAL NO.		SEC. <u>29</u>	TWP. <u>13S</u>	RANGE <u>25E</u>	
Permanent Datum: <u>G.L.</u> ; Elev.: <u>7523</u>				Elev.: K.B. <u>7523</u>	
Log Measured From <u>K.B.</u> <u>12</u> Ft. Above Perm. Datum				D.F. <u>---</u>	
Drilling Measured From <u>K.B.</u>				G.L. <u>7511</u>	
Date	<u>1-28-78</u>				
Run No.	<u>ONE</u>				
Depth - Driller	<u>5790</u>				
Depth - Logger	<u>5799</u>				
Btm. Log Interval	<u>5797 24.8</u>				
Top Log Interval	<u>970</u>				
Casing - Driller	<u>9 5/8 @ 968</u>	<u>@</u>	<u>@</u>	<u>@</u>	
Casing - Logger	<u>970</u>				
Bit Size	<u>8 3/4</u>				
Type Fluid in Hole	<u>KCL MUD</u>				
Dens.	Visc.	<u>9.3</u>	<u>42</u>		
pH	Fluid Loss	<u>11</u>	<u>5.8 ml</u>	<u>ml</u>	
Source of Sample	<u>FLOWLINE</u>				
Rm (w Meas. Temp.	<u>0.30 @ 70 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u> <u>°F</u>	
Rmf @ Meas. Temp.	<u>0.26 @ 70 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u> <u>°F</u>	
Rmc @ Meas. Temp.	<u>0.24 @ 70 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u> <u>°F</u>	
Source: Rmf	Rmc	<u>M</u>	<u>C</u>		
Rm @ BHT	<u>.17 @ 124 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u> <u>°F</u>	
TIME	Circulation Stopped	<u>1600</u>	<u>1/27</u>		
	Logger on Bottom	<u>0100</u>			
	Max. Rec. Temp.	<u>124 °F</u>	<u>°F</u>	<u>°F</u>	
Equip.	Location	<u>7674 VERNAL</u>			
Recorded By	<u>BRADLEY</u>				
Witnessed By Mr.	<u>HELMKE</u>				

Schlumberger

COMPENSATED NEUTRON FORMATION DENSITY

COUNTY UINTAH
FIELD DRY BURN UNIT
LOCATION WELL DRY BURN #2
COMPANY COSEKA

COMPANY COSEKA

WELL DRY BURN 2

FIELD DRY BURN UNIT

COUNTY UINTAH STATE UTAH

LOCATION			
API SERIAL NO.	SEC.	TWP.	RANGE
	<u>35</u>	<u>13S</u>	<u>25E</u>

Other Services:
DIL
TAPING
488

Permanent Datum: GL; Elev.: 7801
Log Measured From KB, 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 7813
D.F. _____
G.L. 7801

Date	<u>9/29/78</u>					
Run No.	<u>ONE</u>					
Depth-Driller	<u>6130</u>					
Depth-Logger	<u>6140</u>					
Btm. Log Interval	<u>6139 25.4</u>					
Top Log Interval	<u>213</u>					
Casing-Driller	<u>9 5/8 @ 233</u>	@	@	@		
Casing-Logger	<u>213</u>					
Bit Size	<u>7 7/8</u>					
Type Fluid in Hole	<u>KCL MUD</u>					
Dens.	Visc.	<u>9.1</u>	<u>30</u>			
pH	Fluid Loss	<u>10</u>	<u>16 ml</u>	ml	ml	ml
Source of Sample	<u>FLOWLINE</u>					
Rm @ Meas. Temp.	<u>167 @ 7</u>	@	@	@	@	@
Rmf @ Meas. Temp.	<u>167 @ 7</u>	@	@	@	@	@
Rmc @ Meas. Temp.	<u>251 @ 78</u>	@	@	@	@	@
Source: Rmf Rmc						
Rm @ BHT	<u>167 @ 32</u>	@	@	@	@	@
TIME	Circulation Stopped	<u>1330</u>				
	Logger on Bottom	<u>2100</u>				
	Max. Rec. Temp.	<u>167</u>	@	@	@	@
	Equip.	Location				
	Recorded By					
	Witnessed By Mr.					

The well name, location and borehole reference information should be written on this form.

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SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH	COMPANY	PHILLIPS	Other Surveys	
	WILDCAT	PETROLEUM	COMPANY	I-ES MLL	
	WILDHORSE UNIT	NO. 1	WELL	WILDHORSE	Location of Well
	NO. 1	PHILLIPS	UNIT NO.	1	
	PHILLIPS	COMPANY	FIELD	WILDCAT	
	COMPANY	LOCATION	SEC. 13 T14S-R17E	SE SE	489
	COUNTY	UINTAH	Elevation: K.B.:	7278	
	STATE	UTAH	D.F.:		
			C.P. or G.L.:	7254	

Log Depths Measured From		K. B.	14 Ft. above	G. L.
RUN No.	ONE			
Date	9/2/63			
First Reading	8996 20.5			
Last Reading	480			
Feet Measured	8516			
Csg. Schlum.	480			
Csg. Driller	480			
Depth Reached	8998			
Bottom Driller	9000			
Mud Nat.	LOW SOLIDS			
Dens.	9.6	Visc.	55	
Mud Resist.	2.38 @ 86 °F		@ °F	@ °F
" Res. BHT	1.38 @ 146 °F		@ °F	@ °F
" pH	8.0 @ -- °F		@ °F	@ °F
" Wtr. Loss	3.6 CC 30 min		CC 30 min	CC 30 min
" Rmf	1.37 @ 87 °F		@ °F	@ °F
Bit Size	7 7/8"			
Spacing:				
T ₃ R ₁ 3 R ₂	480 To 8996	To	To	To
T R ₁ R ₂	To	To	To	To
Opr. Rig Time	5 1/2			
Truck No.	4529			
Recorded By	LEDY			
Witness	NORMAN			

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INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL FED. <u>219 UINTAH WELL #1</u> TABYAGO CANYON UNIT # <u>1</u> COMPANY <u>SINCLAIR OIL & GAS COMPANY</u>	COMPANY <u>SINCLAIR OIL & GAS COMPANY</u>	Other Surveys SGR/C
	WELL <u>FEDERAL 219 UINTAH WELL #1 - TABYAGO CANYON UNIT # 1</u>	Location of Well
	FIELD <u>WILDCAT</u>	Elevation: D.F.: _____ K.B.: _____ or G.L.: <u>7060</u>
	LOCATION <u>SEC. 15-14S-19E</u> <u>660' FNE; -660' FWL</u>	FILING No. <u>DX 490</u>
COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>	

RUN No.	ONE				
Date	7-20-62				
First Reading	7364 ^{±2.0}				
Last Reading	622				
Feet Measured	6742				
Csg. Schlum.	622				
Csg. Driller	621				
Depth Reached	7365				
Bottom Driller	7370				
Depth Datum	G.L.				
Mud Nat.	CHEM GEL				
Dens. Visc.	9.5 80				
Mud Resist.	1.6@ 94 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.12@ 134 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.42@ 86 °F	@ °F	@ °F	@ °F	@ °F
Rmc	1.7@ 94 °F	@ °F	@ °F	@ °F	@ °F
" pH	9.0@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.2 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	3 HOURS				
Truck No.	1593 V				
Recorded By	LEDY				
Witness	MARVIN-COLBY				

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INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH, UTAH FIELD or LOCATION WILDCAT WELL TABYAGO CANYON UNIT # 2 COMPANY SINCLAIR OIL AND GAS COMPANY	COMPANY	SINCLAIR OIL AND GAS COMPANY	Other Surveys: S-GR-C Location of Well SEC 27-14S-19E 660'F/N-660'F/E Elevation: D.F.: - K.B.: - or G.L.: 7102 FILING No. 491
	WELL	TABYAGO CANYON	
	UNIT #	2	
	FIELD	WILDCAT	
	LOCATION	SEC 27-14S-19E 660'F/N-660'F/E	
	COUNTY	UINTAH	
	STATE	UTAH	

RUN No.	ONE				
Date	4-25-63				
First Reading	4997 20.1				
Last Reading	368				
Feet Measured	4629				
Csg. Schlum.	368				
Csg. Driller	365				
Depth Reached	4998				
Bottom Driller	5000				
Depth Datum	G. L.				
Mud Nat.	CHEMICAL				
Dens Visc.	9.5 10.6				
Mud Resist.	3.8 @ 63' F	@ F	@ F	@ F	@ F
Res. BHT	2.4 @ 100' F	@ F	@ F	@ F	@ F
Rmf	1.5 @ 100' F	@ F	@ F	@ F	@ F
Rmc	2.4 @ 100' F	@ F	@ F	@ F	@ F
pH	9.5 @ F	@ F	@ F	@ F	@ F
Wtr. Loss	4.5 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs. — AM	16"				
MN	34 1/2"				
IND.	6FF40				
Opr. Rig Time	2 HOURS				
Truck No.	2598 G.J.				
Recorded By	WARNER				
Witness	COLBY				

Schlumberger **INITIAL INDICATION - FEL**
WITH LINEAR CORRELATION LOG

COUNTY UINTAH FIELD WILDCAT LOCATION FEDERAL 44-3 WELL FEDERAL 44-3 COMPANY PACIFIC TRANS. SUP.	COMPANY <u>PACIFIC TRANSMISSION SUPPLY CO.</u> WELL <u>FEDERAL 44-3</u> FIELD <u>WILDCAT</u> COUNTY <u>UINTAH</u> STATE <u>UTAH</u> LOCATION <u>603' FSL 810' FEL</u> <u>SE/SE</u> 16 API SERIAL NO. SEC. TWP RANGE _____ 3 14S 20E Other Services: FDC-CNL-GR BHC-GR 492
--	---

Permanent Datum: <u>GL</u> ; Elev.: <u>6671</u> Log Measured From <u>KB</u> <u>16</u> Ft. Above Perm. Datum Drilling Measured From <u>KB</u>	Elev.: K.B. <u>6687</u> D.F. _____ G.I. <u>6671</u>
--	---

Date	12/5/78					
Run No.	ONE					
Depth-Driller	7900					
Depth-Logger	7906					
Btm. Log Interval	7900 28.6					
Top Log Interval	504					
Casing-Driller	9 5/8 @ 508		@	@	@	
Casing-Logger	504					
Bit Size	7 7/8					
Type Fluid in Hole	FRESH MUD					
Dens.	Visc.	9.6	4.2			
pH	Fluid Loss	9.0	11.2ml	ml	ml	ml
Source of Sample	MUDPIT					
Rm @ Meas. Temp.	.286 @ 68 °F	@	°F	@	°F	@ °F
Rmf @ Meas. Temp.	.279 @ 68 °F	@	°F	@	°F	@ °F
Rmc @ Meas. Temp.	.429 @ 68 °F	@	°F	@	°F	@ °F
Source: Rmf	Rmc	B	C			
Rm @ BHT	.115 @ 169F	@	°F	@	°F	@ °F
TIME	Circulation Stopped	0300				
	Logger on Bottom	0130				
Max. Rec. Temp.		169F	°F	°F	°F	°F
Equip.	Location	7620 WILDCAT				
Recorded By	WEEKS					
Witnessed By	BOHREN					

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER-WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL FLAT ROCK # 1 COMPANY PHILLIPS PETROLEUM COMPANY	COMPANY	PHILLIPS	Other Surveys SGR/C Location of Well Elevation: D.F.: 7035 K.B.: 7033 or G.L.: 7022 FILING No. 493
		PETROLEUM COMPANY	
	WELL	FLAT ROCK # 1	
	FIELD	WILDCAT	
	LOCATION	SEC. 7-14S-20F	
		1553' FNL, 1087' FEL	
COUNTY	UINTAH	SENE	
STATE	UTAH		

RUN No.	ONE				
Date	9-22-62				
First Reading	7298	22.2			
Last Reading	357				
Feet Measured	6941				
Csg. Schlum.	357				
Csg. Driller	358				
Depth Reached	7299				
Bottom Driller	7300				
Depth Datum	K. B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.5 60				
Mud Resist.	300@ 77 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.72@134 °F	@ °F	@ °F	@ °F	@ °F
Rmf	2.36@ 74 °F	@ °F	@ °F	@ °F	@ °F
Rmc	3.00@ 72 °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	5.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	34'6"				
IND.	6FF40				
Opr. Rig Time	2 1/2 HOURS				
Truck No.	1593 VERNAL				
Recorded By	LEDY				
Witness	NORMAN				

SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH
FIELD or LOCATION WILDCAT
WELL FLATROCK UNIT NO. 3
COMPANY PHILLIPS PETROLEUM COMPANY

COMPANY PHILLIPS PETROLEUM CO.
WELL FLATROCK UNIT NO. 3
FIELD WILDCAT
LOCATION SEC. 30-T14S-R20E
1980' FSL, 640' FEL
COUNTY UINTAH
STATE UTAH

Other Surveys
1-ES, CDM
Location of Well

495
Elevation: K.B.: 7488
D.F.: 7485
C.P. or G.L.: 7475

Log Depths Measured From K.B. 13 Ft. above G.L.

RUN No.	ONE		
Date	6-6-63		
First Reading	4652 25.9		
Last Reading	225		
Feet Measured	4427		
Csg. Schlum.	225		
Csg. Driller	227		
Depth Reached	4654		
Bottom Driller	4650		
Mud Nat.	SALTEX EMULSION		
Dens.	9.8	63	
Visc.			
Mud Resist.	3.16 @ 70 °F	@ °F	@ °F
" Res. BHT	1.97 @ 111 °F	@ °F	@ °F
" pH	9.5 @ °F	@ °F	@ °F
" Wtr. Loss	4.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	1.8 @ 111 °F	@ °F	@ °F
Bit Size	7 7/8"		
Spacing:			
T 3 R ₁ 3 R ₂	225 To 4652	To	To
T R ₁ R ₂	To	To	To
Opr. Rig Time	3 HOURS		
Truck No.	2517 VERNAL		
Recorded By	LEDY		
Witness	ZANG		

SCHLUMBERGER INDUCTION ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH, UTAH WILDCAT FLAT ROCK UNIT # 5 PHILLIPS PETR.	COMPANY	8' COMPANY PHILLIPS PETROLEUM CORPORATION WELL FLAT ROCK UNIT # 5 FIELD WILDCAT COUNTY UINTAH STATE UTAH LOCATION NE NE Sec. 30 Twp. 14S Rge. 20E
			Other Services: SGR/C, CDM 496
Permanent Datum: G.L., Elev. 7330.5 Log Measured From K.B., 11.5 Ft. Above Perm. Datum Drilling Measured From K.B.			Elev.: K.B. 7342 D.F. 7340.5 G.L. 7330.5 MPM
Date	10-19-63		
Run No.	ONE		
Depth—Driller	4600		
Depth—Logger	4598		
Btm. Log Interval	4597 274		
Top Log Interval	223		
Casing—Driller	8 5/8 @ 223	@	@
Casing—Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	GEL - CHEMICAL		
Dens.	9.5	55	
Fluid Loss	10.5	3.2 ml	ml
Source of Sample	FLOW LINE		
R _m @ Meas. Temp.	1.84 @ 73 °F	@ °F	@ °F
R _{ml} @ Meas. Temp.	1.65 @ 73 °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	2.13 @ 73 °F	@ °F	@ °F
Source: R _{ml} R _{mc}	PRESS PRESS		
R _m @ BHT	1.2 @ 114 °F	@ °F	@ °F
Time Since Circ.	4 HOURS		
Max. Rec. Temp.	114 °F	°F	°F
Equip. Location	2598 G.J.		
Recorded By	MONTGOMERY		
Witnessed By	BURNETT		

MAST 250 15 ~



Electrical Log

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>MINTON STATE #1</u> COMPANY <u>THE CARTER OIL CO.</u>	COMPANY <u>THE CARTER OIL</u>	Location of Well (ML, LLM, GRN) Elevation: D.F.: <u>7502</u> K.B.: _____ or G.L.: _____
	COMPANY _____	
	WELL <u>MINTON STATE #1</u>	
	FIELD <u>WILDCAT</u>	
	LOCATION <u>SEC. 32 14S 20E</u>	
	<u>C NE SE</u>	
COUNTY <u>UINTAH</u>	FILING No. <u>433 497</u>	
STATE <u>UTAH</u>		

RUN No.	ONE	TWO	THREE		
Date	9-1-55	12-7-55	12-22-55		
First Reading	7331 ^{26.6}	12431 ^{26.2}	12884 ^{26.2}		
Last Reading	1110	7331	12431		
Feet Measured	6221	5100	453		
Csg. Schlum.	1110	-	-		
Csg. Driller	1110	-	-		
Depth Reached	7332	12432	12885		
Bottom Driller	7340	12451	12897		
Depth Datum	KB	KB	KB		
Mud Nat.	GEL, CAUSTIC, QUEB				
" Density	10.3	9.7	9.5		
" Viscosity	46	70	90		
" Resist.	.7 @ 70°F	.7 @ 62°F	.8 @ 65°F	@ °F	@ °F
" Res. BHT	.4 @ 128°F	.2 @ 224°F	.24 @ 230°F	@ °F	@ °F
" pH	- @ - °F	14 @ - °F	- @ - °F	@ °F	@ °F
" Wtr. Loss	- CC 30 min.	5 CC 30 min.	- CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	128	224	230		
Bit Size	9 7/8" - 6339	9" - TD	9"		
Spcgs.—AM	16"	16"	16"		
A	64"	64"	64"		
AO	18" 8"	18" 8"	18" 8"		
Opr. Rig Time	2 HRS	4 HRS	3 HRS		
Truck No.	782 GJ	782 GJ	782 GJ		
Recorded By	RUSEN	RUSEN	RUSEN		
Witnessed By	SLOAN	MILLER	MILLER		

FOLD HERE

SCHLUMBERGER

INDUCTION-ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL COMPANY	UINTAH	WILDCAT	FLATROCK UNIT # 6	PHILLIPS PETROLEUM COMPANY
	COMPANY PHILLIPS PETROLEUM COMPANY			
	WELL FLATROCK UNIT # 6			
	FIELD WILDCAT			
	LOCATION SEC. 33 TWP. 14S RGE. 20 E SE SW			
COUNTY UINTAH				
STATE UTAH				
Other Surveys SGR/C				
Location of Well				
Elevation: D.F.: K.B.: 7493 or G.L.: 7480				
FILING No. 498				

RUN No.	ONE				
Date	11/21/63				
First Reading	4747 211				
Last Reading	238				
Feet Measured	4509				
Csg. Schlum.	238				
Csg. Driller	9 5/8 248				
Depth Reached	4748				
Bottom Driller	4750				
Depth Datum	K. B.				
Mud Nat.	SALTEX EMULSION				
Dens. Visc.	9.9 60				
Mud Resist.	1.84 @ 74 °F	@ °F	@ °F	@ °F	@ °F
Res. BHT	1.38 @ 100 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.79 @ 72 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.34 @ 69 °F	@ °F	@ °F	@ °F	@ °F
pH	11.5 @ °F	@ °F	@ °F	@ °F	@ °F
Wtr. Loss	4.0 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
MN	34'-6"				
IND.	6FF40				
Opr. Rig Time	3 HOURS				
Truck No.	4544 VERNAL				
Recorded By	LEDY				
Witness	NORMAN				

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DUAL INDUCTION LATEROLOG

WITH LINEAR CORRELATION LOG

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL SEEP RIDGE UNIT NO. 2 COMPANY TEXACO, INC.	COMPANY <u>TEXACO, INCORPORATED</u>			
	WELL <u>SEEP RIDGE UNIT NO. 2</u>			
	FIELD <u>WILDCAT</u>			
	COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>		
LOCATION <u>SE NE</u>		Other Services: FDC-GR CNL BHC-GR 499		
Sec. <u>3</u> Twp. <u>14 S</u> Rge. <u>22 E</u>				
Permanent Datum: <u>G.L.</u> , Elev. <u>6834</u>		Elev.: K.B. <u>6850</u>		
Log Measured From <u>K.B.</u> , <u>16</u> Ft. Above Perm. Datum		D.F. <u>6849</u>		
Drilling Measured From <u>K.B.</u>		G.L. <u>6834</u>		
Date	10-25-72	12-19-72	12-24-72	
Run No.	ONE	TWO	THREE	
Depth-Driller	6000	11959	12154	
Depth-Logger	6001	11948	12160	
Btm. Log Interval	5995 ^{31.0}	11942 ^{24.4}	12154 ^{23.2}	
Top Log Interval	593	5998	11700	
Casing-Driller	13-3/8@597	9-5/8@6000	9-5/8@6000	
Casing-Logger	593	5998	---	
Bit Size	12-1/4	8-3/4	8-3/4	
Type Fluid in Hole	F.G.M.	F.G.M.	CHEM GEL MUD	
Dens.	10.1	9.4	9.3	
Visc.	37	40	45	
pH	10	9.3	9.0	
Fluid Loss	5.6 ml	5.6 ml	5.0 ml	
Source of Sample	MUD PIT	FLOWLINE	FLOWLINE	
R _m @ Meas. Temp.	2.31 @72 °F	2.13 @74 °F	2.63 @65 °F	
R _{mf} @ Meas. Temp.	2.09 @72 °F	2.09 @74 °F	2.41 @65 °F	
R _{mc} @ Meas. Temp.	1.90 @72 °F	3.28 @74 °F	1.7 @65 °F	
Source: R _{mf} R _{mc}	M C	M C	M M	
R _m @ BHT	1.15 @147 °F	.75 @205 °F	0.85 @200 °F	
Time Since Circ.	18 HOURS	16 HOURS	5 HOURS	
Max. Rec. Temp.	147 °F	205 °F	200 °F	
Equip. Location	5642 VERN	5642 VERN	7660 VERN	
Recorded By	LANGLEY	MC MATH	ED MIXA	
Witnessed By	JOHNSON	ANDERSON	ANDERSON, KAUS	

SCHLUMBERGER SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION SEC. 14-14S-22E WELL SWEETWATER CREEK #2 COMPANY SKYLINE OIL COMPANY	COMPANY SKYLINE OIL	Other Surveys SGR-C
	COMPANY	Location of Well
	WELL SWEETWATER CREEK #2	Elevation: D.F.: K.B.: 6953.6 or G.L.: 6943
	FIELD WILDCAT	FILING No. <u>CP 22500</u>
LOCATION SEC. 14-14S-22E	C. SW. NE	
COUNTY UINTAH	STATE UTAH	

RUN No.	ONE	TWO	THREE		
Date	8-9-61	8-13-61	8-23-61		
First Reading	3931 ^{27.8}	4372 ^{31.3}	6015 ^{22.7}		
Last Reading	296	3931	4370		
Feet Measured	3635	441	1645		
Csg. Schlum.	296	296	4370		
Csg. Driller	295	295	4370		
Depth Reached	3932	4373	6016		
Bottom Driller	3917	4372	6010		
Depth Datum	K. B.	K. B.	K. B.		
Mud Nat.	GEL	CHEM-OIL	CHEM-OIL		
Dens. Visc.	10.1 67	9.6 63	9.0 53		
Mud Resist.	2.2 @ 88°F	3.4 @ 67°F	2.5 @ 77°F	@ °F	@ °F
Res. BHT	1.9 @ 105°F	1.9 @ 120°F	1.6 @ 120°F	@ °F	@ °F
Rmf	1.7 @ 88°F	2.3 @ 67°F	1.65 @ 84°F	@ °F	@ °F
Rmc	2.4 @ 88°F	3.1 @ 67°F	2.6 @ 78°F	@ °F	@ °F
pH	8.5 @ °F	8.5 @ °F	NA @ °F	@ °F	@ °F
Wtr. Loss	6 CC 30 min.	3.4 CC 30 min.	6.0 CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	10 5/8	10 5/8"	7 7/8"		
Spcgs.—AM	16"	16"	16"		
MN	34'6"	34'6"	34'6"		
IND.	6FF40	6FF40	6FF40		
Opr. Rig Time	1 HR.	1 HRS.	1 HRS.		
Truck No.	1517 V.	2517 V.	1517 VER.		
Recorded By	HAMILTON	DANIELS	WARNER		
Witness	SPJUT	SPJUT & FELIX	BARDSLEY		

SCHLUMBERGER**INDUCTION - ELECTRICAL LOG**SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY FIELD or LOCATION WELL	UINTAH	COMPANY SKYLINE OIL COMPANY & H & H DRILLING CO	COMPANY	SKYLINE OIL CO. & H. & H DRILLING CO.	Other Surveys SGR/C. GRN	
	WILDCAT SWEETWATER CREEK # 2		WELL	SWEETWATER CREEK # 2	Location of Well	
COUNTY	UINTAH	COMPANY	FIELD	WILDCAT	Elevation: D.F.: K.B.: 6953. 6 or G.L.: 6943	
	LOCATION		LOCATION	SEC. 14-14S-22E C SW NE	FILING No. <u>500</u>	
			COUNTY	UINTAH		
			STATE	UTAH		
RUN No.	FOUR					
Date	11-11-61					
First Reading	9322 ^{23.5}					
Last Reading	6015					
Feet Measured	3307					
Csg. Schlum.	----					
Csg. Driller	4373					
Depth Reached	9323					
Bottom Driller	9316					
Depth Datum	K. B.					
Mud Nat.	GEL					
Dens. Visc.	10.4 83					
Mud Resist.	3.7 @ 65 °F	@	F	@	F	@
Res. BHT	1.5 @ 165 °F	@	F	@	F	@
Rmf	3.2 @ 65 °F	@	F	@	F	@
Rmc	-- @ °F	@	F	@	F	@
pH	8 @ °F	@	F	@	F	@
Wtr. Loss	10 CC 30 min.	CC 30 min.		CC 30 min.		CC 30 min.
Bit Size	7 7/8"					
Spcgs.—AM	16"					
MN	34'6"					
IND.	6FF40					
Opr. Rig Time	1 1/2 HR					
Truck No.	2517 V.					
Recorded By	HEISER					
Witness	BARDSLEY & HARR					

Schlumberger

UNCOMPENSATED
SONIC LOG

COUNTY UINTAH
FIELD WILDCAT
LOCATION PINE SPRING UINT #1
WELL PINE SPRING UINT #1
COMPANY EXXON COMPANY USA

COMPANY EXXON COMPANY USA
WELL PINE SPRING UNIT #1
FIELD WILDCAT
COUNTY UINTAH STATE UTAH

DUPLICATE COPY

LOCATION 1982 FWL 1980 FSL
API SERIAL NO. SEC. TWP RANGE
15 14S 22E

Other Services:
DIL
FDC-CNL-GR
Sol

Permanent Datum: GL ; Elev.: 6962
Log Measured From KB 15 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 6977
D.F. ----
G.L. 6962

Date	11-26-77			
Run No.	ONE			
Depth-Driller	9698			
Depth-Logger (Schl.)	9688			
Btm. Log Interval	9694 24.4			
Top Log Interval	1512			
Casing-Driller	9 5/8 @ 1511	@	@	@
Casing-Logger	1512			
Bit Size	7 7/8			
Type Fluid in Hole	FGM			
Dens.	9.7	37		
pH	8.5	10.0 ml	ml	ml
Fluid Loss				
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.25 @ 69 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.54 @ 69 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.38 @ 69 °F	@ °F	@ °F	@ °F
Source: Rmf	M			
Rmc	C			
Rm @ BHT	.85 @ 175F	@ °F	@ °F	@ °F
TIME	Circulation Stopped	0130		
	Logger on Bottom	1700		
Max. Rec. Temp.	175 °F	°F	°F	°F
Equip.	Location	7634	VERNA	
Recorded By	HAUGAARD			
Witnessed By Mr.	BEOTTCHER			

The well name, location and borehole reference data were furnished by the customer.

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Schlumberger

SIMULTANEOUS
**COMPENSATED NEUTRON
 FORMATION DENSITY**

UINTAH
 WILDCAT
 PINE SPRING UNIT #1
 EXXON COMPANY USA

COMPANY EXXON COMPANY USA

DUPLICATE COPY

WELL PINE SPRING UNIT #1

FIELD WILDCAT

COUNTY UINTAH STATE UTAH

LOCATION 1982' FWL 1980' FSL
 API SERIAL NO. 15 SEC. 14S TWP. 22E RANGE

Other Services:
 DIL
 BHC-GR TAPING **501**

Permanent Datum: GL; Elev.: 6962
 Log Measured From KB, 15 Ft. Above Perm. Datum
 Drilling Measured From KB

Elev.: K.B. 6977
 D.F. ----
 G.L. 6962

Date	11-26-77					
Run No.	ONE					
Depth-Driller	9698					
Depth-Logger	9700					
Btm. Log Interval	9698 24.4					
Top Log Interval	1515					
Casing-Driller	9 5/8 @ 1511			@	@	@
Casing-Logger	1515					
Bit Size	7 7/8					
Type Fluid in Hole	FGM					
Dens.	Visc.	9.7	37			
pH	Fluid Loss	8.5	10.0 ml	ml	ml	ml
Source of Sample	FLOWLINE					
Rm @ Meas. Temp.	2.25 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.54 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.38 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf	M	C				
Rm @ BHT	.85 @ 173F	@ °F	@ °F	@ °F	@ °F	@ °F
TIME	Circulation Stopped	0130				
	Logger on Bottom	1030				
	Max. Rec. Temp.	173 °F	°F	°F	°F	°F
Equip.	Location	5749	VERNAL			
Recorded By	HAUGAARD					
Witnessed By Mr.	BEOTTCHER					

The well name, location and borehole reference data were furnished by the customer.

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SCHLUMBERGER

SONIC LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY <u>UINTAH</u> FIELD or LOCATION <u>WILDCAT</u> WELL <u>SWEETWATER CREEK</u> UNIT NO. <u>3</u> COMPANY <u>SKYLINE OIL CO.</u>	COMPANY <u>SKYLINE OIL</u>	Other Surveys I-ES, FIT Location of Well 502 Elevation: K.B.: _____ D.F.: _____ C.P.W. or G.L.: <u>6235</u>
	COMPANY _____	
	WELL <u>SWEETWATER CREEK</u>	
	UNIT NO. <u>3</u>	
	FIELD <u>WILDCAT</u>	
	LOCATION <u>SEC. 17-T14S-R22E</u>	
COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>	

Log Depths Measured From		G.L.		Ft. above	
RUN No.	ONE				
Date	6-13-63				
First Reading	2163 337				
Last Reading	150				
Feet Measured	2013				
Csg. Schlum.	150				
Csg. Driller	150				
Depth Reached	2166				
Bottom Driller	2165				
Mud Nat.	CHEM EMULSION				
Dens. Visc.	9.6 44				
Mud Resist.	4.50 @ 58 °F	@	°F	@	°F
" Res. BHT	3.1 @ 85 °F	@	°F	@	°F
" pH	8.2 @ °F	@	°F	@	°F
" Wtr. Loss	5.4 CC 30 min	CC 30 min		CC 30 min	
" Rmf	3.09 @ 65 °F	@	°F	@	°F
Bit Size	6 1/4"				
Spacing:					
T3 R1 3 R2	CSG. To T.D.	To		To	
T R1 R2	To	To		To	
Opr. Rig Time	3 1/2 HOURS				
Truck No.	4529				
Recorded By	HAMILTON				
Witness	SPJUT				

Schlumberger

DUAL INDUCTION - LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH FIELD WILDCAT LOCATION CROOKED CANYON WELL COMPANY EXXON COMPANY USA	COMPANY	EXXON COMPANY USA		
	WELL	CROOKED CANYON 1		
	FIELD	WILDCAT		
	COUNTY	UINTAH	STATE	UTAH
LOCATION	660' FNL & 1980' FEL			Other Services: BHC - GR 503
API SERIAL NO.	SEC.	TWP	RANGE	
	20	14S	23E	2

Permanent Datum:	GROUND LEVEL	Elev.: 7007	Elev.: K.B. 7022
Log Measured From	KB	15 Ft. Above Perm. Datum	D.F.
Drilling Measured From	KB		G.I. 7007

Date	8-4-77	9-29-77		
Run No.	ONE	TWO		
Depth-Driller	1540	9730		
Depth-Logger	1554	9734		
Btm. Log Interval	1548 84.8	9728 275		
Top Log Interval	52	1538		
Casing-Driller	-- @ --	95/8@1534	@	@
Casing-Logger	52	1538		
Bit Size	12 1/2	7 7/8		
Type Fluid in Hole	FGM	CHEM-GEL		
Dens.	8.9	41	10.1	53
Visc.				
pH	9.0	24 ml	10.5	7.0 ml
Fluid Loss				
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	2.65 @75 °F	2.3 @75 °F	@	@ °F
Rmf @ Meas. Temp.	2.2 @75 °F	1.77 @75 °F	@	@ °F
Rmc @ Meas. Temp.	4.3 @75 °F	1.8 @75 °F	@	@ °F
Source: Rmf	M	M		
Rmc	M	M		
Rm @ BHT	2.4 @117 °F	0.9 @192 °F	@	@ °F
Circulation Stopped	1800	0500		
Logger on Bottom	2030	1200		
Max. Rec. Temp.	117 °F	192 °F		°F
Equip.	5619	VERNA	5749	VERNAI
Location				
Recorded By	POAG	MIXA		
Witnessed By	HOFFMAN			

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

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DUAL INDUCTION LOG

WITH LINEAR CORRELATION LOG

VINTAH
WILDCAT
SEC. 12 14S 24E
SWEETWATER CANYON
NO. 1
COSEKA RESOURCES

COMPANY COSEKA RESOURCES

WELL SWEETWATER CANYON NO. 1

FIELD WILDCAT

COUNTY VINTAH STATE UTAH

LOCATION 1339 FEL
400 FSL

API SERIAL NO. SEC. TWP RANGE
12 14S 24E

Other Services:
FDC/CNL-GR
504

Permanent Datum: GL; Elev.: 6362
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 6374
D.F.
G.L. 6362

Date	11-7-78			
Run No.	ONE			
Depth-Driller	5150			
Depth-Logger	5155			
Btm. Log Interval	5149 29.4			
Top Log Interval	292			
Casing-Driller	9-5/8@289	@	@	@
Casing-Logger	292			
Bit Size	7-7/8			
Type Fluid in Hole	FGM			
Dens.	9.1	31		
Visc.				
pH	9.0	---	ml	ml
Fluid Loss				
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.42 @ 70°F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.27 @ 70°F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
Source: Rmf	MEAS	---		
Rmc				
Rm @ BHT	1.32 @ 128°F	@ °F	@ °F	@ °F
TIME				
Circulation Stopped	0000			
Logger on Bottom	0500			
Max. Rec. Temp.	128 °F	°F	°F	°F
Equip.	7711 FARM			
Location				
Recorded By	FAHRENBRUCH			
Witnessed By	MR. RUNGE			

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

Schlumberger

INDUCTION GAMMA RAY LOG

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL 1-L-23 COMPANY TAIGA ENERGY	COMPANY TAIGA ENERGY INC.	
	WELL 1-L-23	
	FIELD WILDCAT	
	COUNTY UINTAH	STATE UTAH
LOCATION 1980' FNL & 1980' FEL		Other Services: FDC-GR SNP-GR
Sec. 23	Twp. 14S	Rge. 24E
Permanent Datum: GL, Elev. 7294		Elev.: K.B. 7306
Log Measured From KB, 12 Ft. Above Perm. Datum		D.F.
Drilling Measured From KB		G.L. 7294
Date	12-10-77	
Run No.	TWO	
Depth—Driller	5900	
Depth—Logger	5905	
Btm. Log Interval	5899 26.9	
Top Log Interval	4524	
Casing—Driller	7" @ 4520	@ @ @
Casing—Logger	4524	
Bit Size	6 1/4	
Type Fluid in Hole	AIR	
Dens.	Visc.	---
pH	Fluid Loss	--- ml ml ml ml
Source of Sample		---
R _m @ Meas. Temp.	---	@ -- °F @ °F @ °F @ °F
R _{mf} @ Meas. Temp.	---	@ -- °F @ °F @ °F @ °F
R _{mc} @ Meas. Temp.	---	@ -- °F @ °F @ °F @ °F
Source: R _{mf} R _{mc}	---	---
R _m @ BHT	---	@ -- °F @ °F @ °F @ °F
Time Since Circ.	---	
Max. Rec. Temp.	132 °F	°F °F °F °F
Equip. Location	7674 VERNAL	
Recorded By	BRADLEY	
Witnessed By	HELMKE	

Schlumberger

PRODUCTION - LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH
FIELD WILDCAT
LOCATION WELL 1-L-23
COMPANY TAIGA

COMPANY TAIGA ENERGY INC.

WELL 1-L-23

FIELD WILDCAT

COUNTY UINTAH STATE UTAH

LOCATION	1980' FNL & 1980' FEL		
API SERIAL NO.	SEC.	TWP	RANGE
	23	14S	24E 7

Other Services:
FDC-CNL-GR

SOS

Permanent Datum: GL; Elev.: 7294
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 7306
D.F. _____
G.L. 7294

Date	12-6-77				
Run No.	ONE				
Depth-Driller	4520				
Depth-Logger	4523				
Blm. Log Interval	4517 25.4				
Top Log Interval	565				
Casing-Driller	9 5/8@563		@	@	@
Casing-Logger	565				
Bit Size	8 3/4				
Type Fluid in Hole	KCL STARC				
Dens.	Visc.	9.3+ 45			
pH	Fluid Loss	10.5	23.6ml	ml	ml
Source of Sample	PIT				
Rm @ Meas. Temp.	.28	@ 70 °F	@	°F	@ °F
Rmf @ Meas. Temp.	.22	@ 70 °F	@	°F	@ °F
Rmc @ Meas. Temp.	.25	@ 70 °F	@	°F	@ °F
Source: Rmf	Rmc	M	C		
Rm @ BHT	.19	@ 103 °F	@	°F	@ °F
TIME	Circulation Stopped	0600			
	Logger on Bottom	1000			
Max. Rec. Temp.		108 °F	°F	°F	°F
Equip.	Location	7674 VERNAL			
Recorded By	BRADLEY				
Witnessed By	HELMKE				

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

SCHLUMBERGER

INDUCTION - ELECTRICAL LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY UINTAH
FIELD or LOCATION WILDCAT
WELL TWO WATERS PROSPECT
GULF # 1
COMPANY MARATHON OIL COMPANY

COMPANY MARATHON OIL
COMPANY
WELL TWO WATERS
PROSPECT GULF # 1
FIELD WILDCAT
LOCATION SEC. 8-14S-25E
COUNTY UINTAH
STATE UTAH

Other Surveys
ML, SGR
Location of Well

506
Elevation: D.F.:
K.B.: 6672
or G.L.: 6660
FILING No. 200

RUN No.	ONE								
Date	9-3-62								
First Reading	7901 ^{27.5}								
Last Reading	516								
Feet Measured	7385								
Csg. Schlum.	516								
Csg. Driller	514								
Depth Reached	516								
Bottom Driller	7897								
Depth Datum	K. B.								
Mud Nat.	GEL-CHEM								
Dens. Visc.	9.6 61								
Mud Resist.	1.96 @ 78 °F	@	F	@	F	@	F	@	F
Res. BHT	.94 @ 164 °F	@	F	@	F	@	F	@	F
Rmf	1.64 @ 78 °F	@	F	@	F	@	F	@	F
Rmc	3.06 @ 78 °F	@	F	@	F	@	F	@	F
pH	9.0 @ °F	@	F	@	F	@	F	@	F
Wtr. Loss	4.4 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	9" I.O. 514-7514.	8 3/4" I.O. 7514-7897							
Spcgs.—AM	16"								
MN	34' 6"								
IND.	6FF40								
Opr. Rig Time	3 HOURS								
Truck No.	2517 VERNAL								
Recorded By	LANGILL								
Witness	HARLAN								

Schlumberger

DUAL INDUCTION LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH
FIELD WILDCAT
LOCATION RAT HOLE CANYON
WELL RAT HOLE CANYON
COMPANY TAIGA ENERGY, INC.

COMPANY TAIGA ENERGY, INC.

WELL RAT HOLE CANYON UNIT 1

FIELD WILDCAT

COUNTY UINTAH STATE UTAH

LOCATION 2156' FSL - 1993' FEL
C-NW-SE
API SERIAL NO. SEC. TWP RANGE
8 14S 25E 10

Other Services:
FDC-CNL-GR
TAPING
507

Permanent Datum: GROUND LEVEL; Elev.: 6711
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 6723
D.F.
G.L. 6711

Date	10-12-77	10-16-77	RECEIVED	
Run No.	ONE	TWO		
Depth-Driller	3501	4950	OCT 28 1977	
Depth-Logger	3503	4951		
Btm. Log Interval	3497 30.2	4945	25.8	
Top Log Interval	259	3502		
Casing-Driller	8 5/8 @ 260	6 7/8 @	@	@
Casing-Logger	259	3502		
Bit Size	7 7/8	5 7/8		
Type Fluid in Hole	FGM	AIR		
Dens.	8.9	36	---	--
Visc.				
pH	9.0	5.8 ml	---	-- ml
Fluid Loss				
Source of Sample	FLOWLINE	---		
Rm @ Meas. Temp.	.39 @ 25 °F	---	@ -- °F	@ °F
Rmf @ Meas. Temp.	.319 @ 85 °F	---	@ -- °F	@ °F
Rmc @ Meas. Temp.	.58 @ 85 °F	---	@ -- °F	@ °F
Source: Rmf	M	C	---	---
Rmc				
Rm @ BHT	.32 @ 103 °F	---	@ -- °F	@ °F
Circulation Stopped	0100	---		
Logger on Bottom	0630	2200		
Max. Rec. Temp.	103 °F	115 °F		°F
Equip.	7634 VERNAL	7674 VERNAL		
Location				
Recorded By	LIGHTNER	BRADLEY		
Witnessed By	COLLINS	COLLINS		

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

STIMULATED NEUTRON



COMPENSATED NEUTRON FORMATION DENSITY

COUNTY UINTAH FIELD WILDCAT LOCATION RAT HOLE CYN. #2 WELL RAT HOLE CYN. #2 COMPANY COSEKA	COMPANY	COSEKA RESOURCES LTD.		
	WELL	RAT HOLE CANYON #2		
	FIELD	WILDCAT		
	COUNTY	UINTAH	STATE	UTAH
LOCATION	API SERIAL NO.	SEC.	TWP.	RANGE
		22	14S	25E
				Other Services: DIL TAPING SOB

Permanent Datum:	GL	Elev.: 7100	Elev.: K.B. 7112
Log Measured From	KB	12 Ft. Above Perm. Datum	D.F.
Drilling Measured From	KB		G.L. 7100

Date	10-22-78				
Run No.	ONE				
Depth-Driller	4600				
Depth-Logger	4606				
Btm. Log Interval	4605 29.3				
Top Log Interval	330				
Casing-Driller	9 5/8 @ 328	@	@	@	@
Casing-Logger	330				
Bit Size	7 7/8				
Type Fluid in Hole	FGM				
Dens.	Visc.	9.0	33		
pH	Fluid Loss	10.5	-- ml	ml	ml
Source of Sample	FLOWLINE				
Rm @ Meas. Temp.	32 @ 53 °F	@	°F	@	°F
Rmf @ Meas. Temp.	30 @ 53 °F	@	°F	@	°F
Rmc @ Meas. Temp.	48 @ 53 °F	@	°F	@	°F
Source: Rmf	Rmc	M	C		
Rm @ BHT	15 @ 119 °F	@	°F	@	°F
TIME	Circulation Stopped	1100			
	Logger on Bottom	1530			
Max. Rec. Temp.	119 °F			°F	°F
Equip.	Location	7805 VERNAL			
Recorded By	LIGHTNER				
Witnessed By Mr.	RUGBY				

Schlumberger

DUAL INDUCTION LATEROLOG WITH LINEAR CORRELATION LOG

COUNTY UINTAH
FIELD WILDCAT
LOCATION
WELL # 1 WOLF POINT
COMPANY EXXON CO

COMPANY EXXON COMPANY USA

WELL # 1 WOLF POINT

FIELD WILDCAT

COUNTY UINTAH STATE UTAH

LOCATION
API SERIAL NO. SEC. TWP RANGE
2 15S 21E

Other Services:

BHC-GR
FDC-CNL-GR
TAPING 509

Permanent Datum: GL ; Elev.: 7120
Log Measured From KB 18 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 7138
D.F. 7137
G.L. 7120

Date	7/19/78				
Run No.	ONE				
Depth-Driller	10300				
Depth-Logger	10308				
Btm. Log Interval	10302 287				
Top Log Interval	1503				
Casing-Driller	8 5/8 @ 1500	@	@	@	@
Casing-Logger	1503				
Bit Size	7 7/8				
Type Fluid in Hole	FGM				
Dens.	9.5	49			
Visc.					
pH	10.5	17.8ml	ml	ml	ml
Fluid Loss					
Source of Sample	FLOWLINE				
Rm @ Meas. Temp.	1.84 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.51 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.76 @ 75 °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf	M.	C.			
Rmc					
Rm @ BHT	.68 @ 213°F	@ °F	@ °F	@ °F	@ °F
Circulation Stopped	0600				
Logger on Bottom	1330				
Max. Rec. Temp.	213-215 °F	°F	°F	°F	°F
Equip.	7634	VERNAL			
Location					
Recorded By	HAUGAARD				
Witnessed By	CARTEN				

The well name, location and borehole reference data were furnished by the customer. FOLD HERE

SCHLUMBERGER

SONIC LOG - GAMMA RAY

WITH CALIPER

SCHLUMBERGER WELL SURVEYING CORPORATION

Houston, Texas

COUNTY UINTA, UTAH FIELD or LOCATION WILDCAT WELL FEDERAL #22-2 COMPANY ATLANTIC REFINING	COMPANY ATLANTIC REFINING COMPANY	
	WELL FEDERAL #22-2	
	FIELD WILDCAT	
	COUNTY UINTA STATE UTAH	
LOCATION 660' FSL & 1980' FEL Sec. 22 Twp. 15S Rge. 21E		Other Services: I-ES 510
Permanent Datum: G.L., Elev. 7405' Log Measured From K.B., 9.8 Ft. Above Perm. Datum Drilling Measured From K.B.		Elev.: K.B. 7414.5' D.F. 7413.5' G.L. 7405'
Date	10-15-63	
Run No.	ONE	
Depth—Driller	5700	
Depth—Logger	5701	
Btm. Log Interval	5694 20.8	
Top Log Interval	404	
Casing—Driller 10	3/4 @ 403	@ @ @
Casing—Logger	404	
Bit Size	7 7/8"	
Type Fluid in Hole	XP-20 SPERSENE	
Dens.	9.7	45
pH	10.5	2.2 ml
Fluid Loss		ml ml ml
Source of Sample	FLOW LINE	
R _m @ Meas. Temp.	1.3 @ 73 °F	@ °F @ °F @ °F
R _{mf} @ Meas. Temp.	.96 @ 70 °F	@ °F @ °F @ °F
R _{mc} @ Meas. Temp.	1.9 @ 70 °F	@ °F @ °F @ °F
Source: R _{mf} R _{mc}	FP	
R _m @ BHT	.81 @ 116 °F	@ °F @ °F @ °F
Time Since Circ.	9 HOURS	
Max. Rec. Temp.	116 °F	°F °F °F
Equip. Location	4542 FARM	
Recorded By	GIFFORD	
Witnessed By	MESSRS. BINKLEY, THOMAS & PATRICK	

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

PAA?
or
Producing?



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL WINTER RIDGE UNIT # 1 COMPANY PAN AMERICAN PETROLEUM CORP.	COMPANY	PAN AMERICAN	Other Surveys
		PETROLEUM CORP.	SGR, ML, MLL
	WELL	WINTER RIDGE	Location of Well
		UNIT # 1	SEC. 22-15S-21E
			C-NE-SW
	FIELD	WILDCAT	
	LOCATION	SEC. 22-15S-21E	
		C NE SW	Elevation: D.F.:
	COUNTY	UINTAH	K.B.: 7404
			or G.L.: 7392
	STATE	UTAH	FILING No. 511

RUN No.	ONE				
Date	10-24-59				
First Reading	6238 22.5				
Last Reading	390				
Feet Measured	5848				
Csg. Schlum.	390				
Csg. Driller	390				
Depth Reached	6245				
Bottom Driller	6250				
Depth Datum	KB-12.8'	ABOVE 2" OUTLET ON BRANDEN HEAD			
Mud Nat.	IMPERMEX	SALT OIL 20,000PPM CHLORIDES			
Dens. Visc.	9.9 50				
Mud Resist.	0.7@ 68°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	0372@ 128°F	@ °F	@ °F	@ °F	@ °F
Rmf M	0207@ 128°F	@ °F	@ °F	@ °F	@ °F
Rmc M	0276@ 128°F	@ °F	@ °F	@ °F	@ °F
" pH	7.6@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	7.5CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.
Bit Size	8 3/4"				
Spcgs.—AM	16"				
MN	27'2"				
IND.	40"				
Opr. Rig Time	3 HRS				
Truck No.	1517 GJ				
Recorded By	COVEY				
Witness	RICHARD				



Temperature Log

COUNTY UINTAH FIELD or LOCATION SEC. 26-15S-22E WELL FENCE CANYON #2 COMPANY TEXACO INC.	COMPANY	TEXACO INC.	Location of Well Elevation: D.F.: _____ K.B.: 7038 or G.I.: 7024
	WELL	FENCE CANYON #2	
	FIELD	FENCE CANYON	
	LOCATION	SEC. 26-15S-22E 948 W/EL 1492 N/SI	
	COUNTY	UINTAH	
STATE	UTAH	FILING No. 512	

Date 6-23-61 Time Started 2100 Time Finished 2230
 First Reading 4830
 Last Reading 8485
 Footage Measured 3655
 Max. Depth Reached 8486
 Bottom Driller 8585
 Hole Size 6-3/4
 Casing Size 7 5/8
 Depth Datum K.B.
 Mud Data Nature AIR Resistivity @ _____ °F
 Fluid Level NA
 Max. Temp. _____
 Cementation Data Date _____ Time Started _____ Time Finished _____
 Circulation Data Date _____ Time Started _____ Time Finished _____
 A-Cement Top Determination
 1) Date Pressure Released _____ Time Released _____
 2) Amount Cement _____
 3) Calculated Top _____
 4) Depth of Plug _____
 B-Location of Oil and Gas _____
 1) Casing Shoe Driller _____
 2) Date Drilling Stopped _____ Time Stopped _____
 Truck No. 2517 VERNAL
 Recorded By LANGILL
 Witnessed By ROBERTS

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY UINTAH FIELD or LOCATION SEC. 26-15S-22E WELL FENCE CANYON #2 COMPANY TEXACO INC.	COMPANY	TEXACO INC.	Other Surveys
	WELL	FENCE CANYON #2	
	FIELD	FENCE CANYON	
	LOCATION	SEC. 26-15S-22E	
		948 W/EL 1492 N/SL	Elevation: D.F.: _____ K.B.: 7038 or G.L.: 7024
	COUNTY	UINTAH	FILING No. 512
	STATE	UTAH	

RUN No.	ONE	TWO=	INDUCTION GAMMA RAY		
Date	6-13-61	6-23-61			
First Reading	4829 ^{27.2}	8580			
Last Reading	521	4830			
Feet Measured	4308	3750			
Csg. Schlum.	521	4830			
Csg. Driller	521	4830			
Depth Reached	4830	8586			
Bottom Driller	4830	8585			
Depth Datum	K. B.	K. B.			
Mud Nat.	GEL-CHEM.	AIR			
Dens. Visc.	10.1 55	NA			
Mud Resist.	2.46@ 76 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.52@ 123 °F	@ °F	@ °F	@ °F	@ °F
Rmf	1.80@ 76 °F	@ °F	@ °F	@ °F	@ °F
Rmc	2.68@ 76 °F	@ °F	@ °F	@ °F	@ °F
" pH	8.5@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	13 CC30 min.	CC30 min.	CC30 min.	CC30 min.	CC30 min.
Bit Size	9 7/8"	6 3/4"			
Spcgs.—AM	16"				
MN	34 1/2"				
IND.	5FF40	5FF40			
Opr. Rig Time	2 HRS.	2 HRS.			
Truck No.	2517	2517			
Recorded By	LANGILL	LANGILL			
Witness	ROBERTS	DELPYS			

Schlumberger

**BOREHOLE COMPENSATED
SONIC LOG - GAMMA RAY**

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL SOUTH EAST FLANK NO. 1-28 COMPANY CHORNEY OIL CO.	COMPANY <u>CHORNEY OIL COMPANY</u>			
	WELL <u>SOUTH EAST FLANK NO. 1-28</u>			
	FIELD <u>WILDCAT</u>			
	COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>		
LOCATION <u>SW - SW</u>		Other Services: DIL FDC-GR CNL-GR <u>513</u>		
Sec. <u>28</u>	Twp. <u>15S</u>	Rge. <u>22E</u>		
Permanent Datum: <u>G. L.</u> , Elev. <u>7493</u>		Elev.: K.B. <u>7504</u>		
Log Measured From <u>K. B.</u> , Ft. Above Perm. Datum		D.F. <u>---</u>		
Drilling Measured From <u>K. B.</u>		G.L. <u>7493</u>		
Date	<u>7-24-72</u>	<u>8-4-72</u>		
Run No.	<u>ONE</u>	<u>TWO</u>		
Depth—Driller	<u>9600</u>	<u>10018</u>		
Depth—Logger	<u>9602</u>	<u>10020</u>		
Btm. Log Interval	<u>9601 22.8</u>	<u>10019 23.5</u>		
Top Log Interval	<u>520</u>	<u>9596</u>		
Casing—Driller	<u>13 3/8@512</u>	<u>13 3/8@512</u>	@	@
Casing—Logger	<u>520</u>	<u>---</u>		
Bit Size	<u>7 7/8</u>	<u>7 7/8</u>		
Type Fluid in Hole	<u>FGM</u>	<u>FGM</u>		
	<u>---</u>	<u>---</u>		
Dens.	<u>9.1</u>	<u>38</u>	<u>9.1</u>	<u>40</u>
pH	<u>8.5</u>	<u>7.2 ml</u>	<u>8.5</u>	<u>7.2 ml</u>
Fluid Loss				
Source of Sample	<u>FLOW LINE</u>		<u>SUPPLIED</u>	
R _m @ Meas. Temp.	<u>3.8 @ 82 °F</u>	<u>3.45 @ 70 °F</u>	@ °F	@ °F
R _{mf} @ Meas. Temp.	<u>2.86 @ 82 °F</u>	<u>2.95 @ 70 °F</u>	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>2.01 @ 82 °F</u>	<u>2.50 @ 70 °F</u>	@ °F	@ °F
Source: R _{mf} R _{mc}	<u>M C</u>	<u>M C</u>		
R _m @ BHT	<u>1.8 @ 168°F</u>	<u>1.30 @ 180°F</u>	@ °F	@ °F
Time Since Circ.	<u>12 HOURS</u>	<u>4 HOURS</u>		
Max. Rec. Temp.	<u>171 °F</u>	<u>180 °F</u>	°F	°F
Equip. Location	<u>7647 VERNAL</u>	<u>7647 VERNAL</u>		
Recorded By	<u>FARR</u>	<u>DANTI</u>		
Witnessed By	<u>LOCKHART, STREET / COX, LOCKHART</u>			

The well name, location, and borehole reference data were furnished by the customer.

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS



MICROLOGGING®

COUNTY UINTAH
 FIELD or LOCATION SEC. 36-15S-22E
 WELL FENCE CANYON
 UNIT # 1
 COMPANY TEXACO INC.

COMPANY TEXACO INC.
 WELL FENCE CANYON
 UNIT # 1
 FIELD WILDCAT
 LOCATION SEC. 36-15S-22E
1980'S/L, 660'E/L
 COUNTY UINTAH
 STATE UTAH

Other Surveys
IES -SL

Location of Well

519

Elevation: D.F.: 7707
 K.B.:
 or G.L.: 7692

Log Depths Measured From K. B. 15 Ft. above G. L.

RUN No.	ONE		
Date	3-28-60		
First Reading	10340	22.0	
Last Reading	521		
Feet Measured	9819		
Depth Reached	10346		
Bottom Driller	10350		
Mud Nat.	CHEM-GEL		
Dens. Visc.	9.2	51	
Mud Resist.	2.5 @	68 °F	@ °F
" Res. BHT	.94 @	176 °F	@ °F
" pH	9 @	°F	@ °F
" Wtr. Loss	5.4	CC 30 min	CC 30 min
" Rmf	.8 @	175 °F	@ °F
" Rmc	.36 @	176 °F	@ °F
Mud Log: Rm	.9		
Depth	10200		
Bit Size	9"		
Sonde Type	PMS-A		
Pad Type	H		
Opr. Rig Time	5 HRS.		
Truck No.	1517 VERNAL		
Recorded By	DANIELS		
Witness	GRIMM & FISCHER		

515

PETRO-LOG COMPANY

Hydrocarbon Well Logging

LOGGED FROM 520' TO 9603' FT.
 LOGGED SPUD 5-5-1972 TO 6-17-1972
 OPERATOR CARL E. LOCKHART FILE NO. J-118
 LOGGED CHEM & WATER 520' TO 1024 FT.
CHEM & GEL 1024' TO 9603 FT.

COMPANY CHORNEY OIL COMPANY
 WELL SE FLANK UINTA 1-5
 FIELD WILDCAT
 COUNTY UINTAH STATE UTAH
 LOCATION NE NE SEC 5 T15S R23E ELEVATION 7437' KB

LEGEND

ABBREVIATIONS

- = NEW BIT
- = NEW CORE BIT
- = CIRCULATED OUT
- = DRILL STEM TEST
- = LOGGED AFTER TRIP
- = TRIP GAS
- = NO RETURNS
- = DIRECTIONAL SURVEY
- = DEPTH CORRECTION
- IS CORRESPOND TO DRILL PIPE MEASUREMENTS

RESISTIVITY, OHM-METERS

- Rm = MUD
- Rmc = MUD CAKE
- Rmf = MUD FILTRATE

MUD DATA

- CK = CAKE THICKNESS 32nds
- V = VISCOSITY API SECONDS
- F = FILTRATE API CC'S
- W = WEIGHT
- S = SALINITY, ppm Cl

LITHOLOGY

SAND		SALT		COAL		
CONG.		CLAY		DOLOMITE		
ANHYDRITE OR GYPSUM		SHALE		CHERT		
LIMESTONE		CHALK		SILTSTONE		

POR LITH DEPTH

HYDROCARBON ANALYSIS

HOT WIRE: Total Gas _____ Methane (by difference) _____
 ELECTRONIC: Methane _____ Ethane _____ Propane _____
 Butane _____ Pentane _____

CHROMATOGRAPH

FLUOR

HOT WIRE

	Units/Div	P F G	Units/Div
Methane	20		TOTAL GAS & METHANE
Ethane & Propane	20		CUTTINGS
Butane & Pentane	20		MUD

REMARKS

FORMATION DESCRIPTION,
 MUD DATA,
 DRILL STEM TESTS.

LOGGING RATE

IN/FT
 /HR

G F P
 %
 VISUAL

2 3 4 5 5 50 25



HIGH RESOLUTION THERMOMETER ?

COUNTY UINTAH FIELD WILDCAT LOCATION MAIN CANYON 14-16 WELL MAIN CANYON 14-16 COMPANY TAIGA ENERGY	COMPANY	TAIGA ENERGY COSEKA ENER RESOURCES		
	WELL	MAIN CANYON 14-16		
	FIELD	WILDCAT		
	COUNTY	UINTAH STATE UTAH		
LOCATION	663' FNL & 1974' FWL			
API SERIAL NO.	SEC.	TWP	RANGE	Other Services:
	16	15S	23E	DIL; FDC-CNL-GR; SNP-GR; TAPING 516

Permanent Datum:	GL	Elev.: 7728	Elev.: K.B. 7740
Log Measured From:	KB	12 Ft. Above Perm. Datum	D.F. _____
Drilling Measured From:	KB		G.I. 7728

Date	9/1/78					
Run No.	ONE					
Depth-Driller	8515					
Depth-Logger (Schl.)	8497					
Btm. Log Interval	8496					
Top Log Interval	4660					
Casing-Driller	9 5/8 @ 4645					
Casing-Logger	---					
Bit Size	8 1/2					
Type Fluid in Hole	AIR					
Dens.	Visc.	---	--			
pH	Fluid Loss	---	-- ml		ml	ml
Source of Sample	---					
Rm @ Meas. Temp.	---	@ -- °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	---	@ -- °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	---	@ -- °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf	Rmc	---	--			
Rm @ BHT	---	@ -- °F	@ °F	@ °F	@ °F	@ °F
TIME	Circulation Stopped	0600 9/1				
	Logger on Bottom	0100 9/2				
Max. Rec. Temp.	---	°F	°F	°F	°F	°F
Equip.	Location	7674 VERNAL				
Recorded By	VALENTI					
Witnessed By Mr.	BOWDEN					

Schlumberger

COMPENSATED NEUTRON
FORMATION DENSITY

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL S.E. FLANK #1-5 COMPANY CHORNEY OIL CO.	COMPANY CHORNEY OIL COMPANY							
	WELL S.E. FLANK NO. 1-5							
	FIELD WILDCAT							
	COUNTY UINTAH STATE UTAH							
Location: NE/NE		Other Services:						
Sec. 5 Twp. 15S Rge. 23E		BHC-GR DIL FDC-GR <i>515</i>						
Permanent Datum: G.L. ; Elev.: 7426		Elev.: K.B. 7437						
Log Measured From K.B., 11 Ft. Above Perm. Datum		D.F. ----						
Drilling Measured From K.B.		G.L. 7426						
Date	6-12-72							
Run No.	ONE							
Type Log	EPI NEUTRON							
Depth—Driller	9603							
Depth—Logger	9601							
Bottom logged interval	9600 <i>29.8</i>							
Top logged interval	3800							
Type fluid in hole	FGM							
Salinity, PPM Cl.	770							
Density	9.2							
Level	FULL							
Max rec. temp., deg F.	208							
Operating rig time	9 HOURS							
Recorded by	FARR, SHEPPARD							
Witnessed by	LOCKHART							
RUN	BORE-HOLE RECORD				CASING RECORD			
No.	Bit	From	To	Size	Wgt.	From	To	
ONE	7-7/8	CSG.	9603	3-3/8	48	SURFACE	512	

Schlumberger

DUAL INDUCTION LATEROLOG
WITH LINEAR CORRELATION LOG

COUNTY UINTAH FIELD or LOCATION WILDCAT WELL S. E. FLANK NO. 1-5 COMPANY CHORNEY OIL CO.	COMPANY <u>CHORNEY OIL COMPANY</u>		
	WELL <u>S. E. FLANK NO. 1-5</u>		
	FIELD <u>WILDCAT</u>		
	COUNTY <u>UINTAH</u>	STATE <u>UTAH</u>	
LOCATION <u>NE/NE</u>		Other Services: BHC-GR FDC-GR CNL-GR 515	
Sec. <u>5</u>	Twp. <u>15S</u>	Rge. <u>23E</u>	
Permanent Datum: <u>G. L.</u> , Elev. <u>7426</u>		Elev.: K.B. <u>7437</u>	
Log Measured From <u>K. B.</u> , <u>11</u> Ft. Above Perm. Datum		D.F. <u>---</u>	
Drilling Measured From <u>K. B.</u>		G.L. <u>7426</u>	
Date	<u>6-11-72</u>		
Run No.	<u>ONE</u>		
Depth - Driller	<u>9603</u>		
Depth - Logger	<u>9601</u>		
Btm. Log Interval	<u>9595 ^{2.3.6}</u>		
Top Log Interval	<u>512</u>		
Casing - Driller	<u>13-3/8@512</u>	@	@
Casing - Logger	<u>512</u>		
Bit Size	<u>7-7/8</u>		
Type Fluid in Hole	<u>FGM</u>		
	<u>----</u>		
Dens.	Visc.	<u>9.2</u>	<u>47</u>
pH	Fluid Loss	<u>8.5</u>	<u>6</u> ml
Source of Sample	<u>FLOWLINE</u>		
R _m @ Meas. Temp.	<u>1.58@ 88 °F</u>	@ °F	@ °F
R _{mf} @ Meas. Temp.	<u>1.07@ 94 °F</u>	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>1.48@ 88 °F</u>	@ °F	@ °F
Source: R _{mf} R _{mc}	<u>M</u>	<u>C</u>	
R _m @ BHT	<u>.80 @ 175F</u>	@ °F	@ °F
Time Since Circ.	<u>4 HOURS</u>		
Max. Rec. Temp.	<u>175</u> °F	°F	°F
Equip. Location	<u>7647</u>	<u>VERN</u>	
Recorded By	<u>FARR, SHEPPARD</u>		
Witnessed By	<u>LOCKHART</u>		

SIMULTANEOUS

COMPENSATED NEUTRON FORMATION DENSITY



COUNTY	UINTAH	WELL	MAIN CANYON 14-16	COMPANY	TAIGA ENERGY
FIELD	WILDCAT	COUNTY	UINTAH	STATE	UTAH
LOCATION	663 FNL & 1974 FWL	Other Services:			
	NF-NW	DIL			
API SERIAL NO.	SEC.	TWP.	RANGE	SNP; TEMP.	
	16	15S	23E	TAPING	

Permanent Datum:	GI	Elev.:	7728	Elev.:	K.B. 7740
Log Measured From	KB	12 Ft. Above Perm. Datum		D.F.	
Drilling Measured From	KB			G.L.	7728

Date	8/4/78	8/19/78	9/1/78	RECEIVED
Run No.	ONE	TWO	THREE	SEP 21 1978
Depth-Driller	4638	8500	8515	
Depth-Logger	4642	8487	8497	
Btm. Log Interval	4640 20.8	8485 21.9	8498	
Top Log Interval	3950	4498	6000	
Casing-Driller	13 3/8 @ 300	9 5/8 @ 4645	9 5/8 @ 4645	@
Casing-Logger	313	4642	---	
Bit Size	12 1/4	8 1/2	8 1/2	
Type Fluid in Hole	KCL	KCL	AIR FILLED	
Dens.	9.0	9.3	---	
Visc.	40	37	---	
pH	10.0	11	---	
Fluid Loss	-- ml	5.2 ml	-- ml	
Source of Sample	MUDPIT	TANK	----	
Rm @ Meas. Temp.	.267 @ 76 °F	.197 @ 84 °F	---	@ °F
Rmf @ Meas. Temp.	.241 @ 76 °F	.152 @ 84 °F	---	@ °F
Rmc @ Meas. Temp.	--- @ -- °F	.30 @ 84 °F	---	@ °F
Source: Rmf	EMT	M	---	
Rmc	--	C	---	
Rm @ BHT	.195 @ 104 °F	.12 @ 153 °F	---	@ °F
TIME				
Circulation Stopped	1600	1700	----	
Logger on Bottom	2300		1600	
Max. Rec. Temp.	104 °F	153 °F	-- °F	
Equip.	7759 GJ	7726 4111	7674	VERNAL
Location				
Recorded By	WALLACE	LAUDE	VALENTI	
Witnessed By Mr.	WALKER	WALKER/RUNGE	BOWDEN/RUNGE	



Induction-Electrical Log

COUNTY JINTAH FIELD or LOCATION SEC. 28-15S-23E WELL MAIN CANYON #1 COMPANY MOUNTAIN FUEL SUPPLY COMPANY	COMPANY MOUNTAIN FUEL	Other Surveys
	SUPPLY COMPANY	ML-CDM
	WELL MAIN CANYON #1	Location of Well
	FIELD WILDCAT	Elevation: D.F.: K.B. 7801 or G.L.:
LOCATION SEC. 28-15S-23E 9	NE-SE	FILING No. 517
COUNTY JINTAH	STATE UTAH	

RUN No.	ONE				
Date	8-30-60				
First Reading	8988 274				
Last Reading	380				
Feet Measured	8608				
Csg. Schlum.	380				
Csg. Driller	380				
Depth Reached	8994				
Bottom Driller	900				
Depth Datum	K.B.				
Mud Nat.	CHEM-GEL				
Dens. Visc.	9.7 73				
Mud Resist.	288 @ 78 °F	@	°F	@	°F
Res. BHT	121 @ 86 °F	@	°F	@	°F
Rmf	2.1 @ 76 °F	@	°F	@	°F
Rmc	1.5 @ 75 °F	@	°F	@	°F
pH	8 @ °F	@	°F	@	°F
Wtr. Loss	5 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	3 3/4" CSG.	TO 18	2.7 7.0	3.12 TO	T.D.
Spcgs.—AM					
MN	2				
IND.	5 FF				
Opr. Rig Time	2 HRS				
Truck No.	1517 VERVAL				
Recorded By	ZIVLEY				
Witness	ELIAS				

FOLD HERE



INDUCTION • ELECTRIC LOG

COMPANY WEBB RESOURCES, INCORPORATED WELL FEDERAL 31-13 FIELD WILDCAT County UINTAH State UTAH	COMPANY	WEBB RESOURCES, INCORPORATED			
	WELL	FEDERAL 31-13	<i>Abandoned</i>		
	FIELD	WILDCAT			
	COUNTY	UINTAH	STATE	UTAH	
Location		SW-SW	Other Services:		
Sec.	31	Twp	15S	Rge	24E
				COMP. AV.	
				519	

Permanent Datum	GROUND LEVEL	Elev.	8260'	Elev.:	K.B. 8272'
Log Measured From	KELLY BUSHING 12	Ft. Above Perm. Datum		D.F.	
Drilling Measured From	KELLY BUSHING			G.L.	8260'

Date	12-29-70			
Run No.	ONE			
Depth-Driller	8402'			
Depth-Welex	8419'			
Btm. Log Inter.	8414' 25.8			
Top Log Inter.	392'			
Casing-Driller	10-3/4" 390'	@	@	@
Casing-Welex	392'			
Bit Size	8-3/4" TO 5090' & 7-7/8" TO 8402'			
Type Fluid in Hole	WATER BASE			
	MUD			
Dens. Visc.	9.3 58			
pH Fluid Loss	ml	ml	ml	ml
Source of Sample	CIRC.			
R _m @ Meas. Temp.	2.1 @ 58 °F	@ °F	@ °F	@ °F
R _{mf} @ Meas. Temp.	2.1 @ 50 °F	@ °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	2.5 @ 54 °F	@ °F	@ °F	@ °F
Source R _{mf} R _{mc}	FANN MUD KIT			
R _m @ BHT	.71 @ 170 °F	@ °F	@ °F	@ °F
Time Since Circ.	4 HOURS			
Max. Rec. Temp.	170 °F @ TD	°F @	°F @	°F @
Equip. Location	7949 VERNAL			
Recorded By	LEEPER-CUSTARD			
Witnessed By	MR. BUELER & MR. LACY			