

Dresser Atlas

*Gamma Ray
Neutron*

DATE MO		COMPANY		SHELL OIL COMPANY	
WELL		STATE "O" NO. 2		HOBBS	
FIELD		COUNTY		LEA	
LOCATION		660' WEL, 2310' WEL		STATE NEW MEXICO	
SEC. 24		TWP. 18 S.		RCS. 37 E.	
Permanent Datum		GROUND LEVEL		Rw. 3625	
Log Measured from		K. B.		6' N Above Permanent Datum	
Logging Method Used		Date		1-16-73	
Tool No.		Dye		6/B N/TN	
Open Log		5260		4222	
Depth (Feet)		4226		3200	
Bottom (Logged Interval)		Top Logged Interval		3200	
Type Fluid in Hole		Density (lb./Gal)		1846	
Cement (lb./Gal)		Hours Rec. 1st Wg. Done, f		2 HOURS	
Operator		Recommended by		WILSON	
Witnessed by		PR. POWERS		Coring Record	
Bore Hole Record		To		To	
1		7 1/2		500'	
5'		395'		4760	

Electrical Log Services

REFERENCE W 7186R

6 COMPLETION RECORD



West Texas Electrical Log Service

Dallas 2, Texas

Soc. 31, T-22-S, R-38-E

REFERENCE N° A5848-E

SHED OIL COMPANY

LANE WELLS Radioactivity Log

COMPANY: SHED OIL COMPANY		WELL LOCATION: 19805N 9985W
WELL NO.:	FILE NO.:	WELL DEPTH: 19805N 9985W
LOCATION: SEC. 31, T. 22, S. 38, R. 38, E. 2	COUNTY: TARRANT	STATE: TEXAS
LOG ZERO: 19805N 9985W	LOG ZERO: 19805N 9985W	LOG ZERO: 19805N 9985W

TYPE OF LOG:	DATE:	LOG ZERO:
RUN NO.:	DATE:	LOG ZERO:
TOTAL DEPTH (DRILLER):	DATE:	LOG ZERO:
EFFECTIVE DEPTH (DRILLER):	DATE:	LOG ZERO:
TOP OF LOGGED INTERVAL:	DATE:	LOG ZERO:
BOTTOM OF LOGGED INTERVAL:	DATE:	LOG ZERO:
TYPE OF FLUID IN HOLE:	DATE:	LOG ZERO:
FLUID LEVEL:	DATE:	LOG ZERO:
MAXIMUM RECORDED TEMP:	DATE:	LOG ZERO:
SOURCE STRENGTH & TYPE:	DATE:	LOG ZERO:
LENGTH OF MEAS. DEVICE - IN:	DATE:	LOG ZERO:
OD OF INSTRUMENT - IN:	DATE:	LOG ZERO:
TIME CONSTANT - SECONDS:	DATE:	LOG ZERO:
LOGGING SPEED FT / MIN:	DATE:	LOG ZERO:
STATISTICAL VARIATION - IN:	DATE:	LOG ZERO:
SENSITIVITY REFERENCE:	DATE:	LOG ZERO:
DETECTOR CLASS:	DATE:	LOG ZERO:
DETECTOR TYPE:	DATE:	LOG ZERO:
RECORDED BY:	DATE:	LOG ZERO:
WITNESSED BY:	DATE:	LOG ZERO:

RUN BIT SIZE:	CASING WT - LB:	FROM WELL RECORD:	FROM LOG:
ONE 9 5/8	21	SURFACE TO 1016	1016
ONE 6 1/4 O. B.		SURFACE TO 1072	1072
		TO 1189	1189

REMARKS OR OTHER DATA

70

COMPANY

Burnett Ray

[illegible]

Reproduced by
Electrical Log Services, Inc.
McMullen, Texas 77061

REFERENCE W 3463F

17
COMPLETION RECORD

X K 1

COUNTY LEA		FIELD #1		LOCATION RICE #1		WELL		COMPANY SHELL OIL COMPANY	
COMPANY SHELL OIL COMPANY									
WELL NAME RICE #1									
FIELD NAME MOHBS									
COUNTY LEA STATE NEW MEXICO									
ELEVATION 1650' FSW & 990' FEL									
Other Services DIL									
13 Top 18-5 Base 37-E									
Permeability Datum G.L. Elev 3670									
Log Measured From G.F. 6 A Name Perm Datum									
Drilling Measured From G.F.									
Date 11-75									
Run No.									
Depth - Driller									
Depth - Logger									
Shot Log Interval									
Top Log Interval									
Casing - Driller									
Casing - Logger									
Bit Size									
Type Fluid in Hole FRESH WATER									
Depth Visc									
pH Fluid Loss									
Source of Sample									
Run # Shot Temp									
Run # Shot Temp									
Run # Shot Temp									
Shotter Run (Run #)									
Run # BHT									
Circulation Stoppage (min)									
Casing on Bottom									
Work Run Temp									
Fluid Location									
Revised By									
Approved By									

SCALE CHANGES		Type Log		Depth		Scale Up Hole Scale Down Hole	

LOGGING DATA		Mud		Temp		Scale		Depth	

CONTINUED DATA		Run No		Casing On the No		Fluid Level	

SUMMARY DATA		Run No		Casing On the No		Fluid Level	

2673

LEA
COUNTY
FIELD NO.
LOCATION
WELL
COMPANY
DATE
TIME

PERMANENT CHARTER
Log Measured From
Drilling Measured From

Date
Run No.
Depth - Driller
Depth - Logger
Bottom Log Interval
Top Log Interval
Casing - Driller
Casing - Logger
Bit Size
Type Fluid in Hole
Fluid Level
Dens. Visc.
pH Fluid Loss
Source of Sample
Run @ Depth
Run @ Depth
Run @ Depth
Source of Sample
Run @ Depth
Time Since Core
Max. Bar Temp
Found Location
Recorded By
Witnessed By

*

Return To WESTERN E & P FILES LOG SECTION

Dresser Atlas	
FILE NO.	COMPANY <u>AMERADA PETROLEUM CORPORATION</u>
	WELL <u>B. HARDIN NO. 1</u>
	FIELD <u>HUBBS GRAYBURG SAN ANDRES</u>
	COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>
LOCATION	Other Services
<u>330' FSL & 330' FWL</u>	G/R-M/EN DIFL CALIPER
SEC <u>18</u> TWP <u>18-S</u> RGE <u>30-E</u>	
Permanent Datum	GROUND LEVEL Elev. <u>3661</u>
Log Measured from	D. F. <u>10</u> ft Above Permanent Datum
Drilling Measured from	D. F.
Date	<u>1-10-63</u>
Run In	<u>ONE</u>
Depth—Driller	<u>4395</u>
Depth—Logger	<u>4397</u>
Bottom Logged Interval	<u>4395</u>
Top Logged Interval	<u>3400</u>
Casing—Driller	<u>5 5/8" 4146</u>
Casing—Logger	<u>4147</u>
Bit Size	<u>5 3/4"</u>
Type Fluid in Hole	<u>FRESH WATER</u>
Density and Viscosity	
pH and Fluid Loss	
Source of Sample	
Run @ Mean Temp	
Run @ Mean Temp	
Run @ Mean Temp	
Source of Run and Run	
Run @ 80%	
Time Since Cnc	
Max Run Temp Deg F	
Equip. No. and Location	<u>6028 HUBBS</u>
Recorded By	<u>MC ATEE</u>
Witnessed By	<u>MR. ROWLING & MR. SHIRLEY</u>

Reproduced By
Electrical Log Services, Inc.
Midland, Texas 79701

REFERENCE W 1917F



Return To
 West Texas Electrical Log Service
WESTERN LOG SERVICE
 305 Commerce Street Dallas, Texas
LOG SECTION
 REFERENCE NO. A 3441 -D

LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well 330' FNL 330' FEL	COMPANY <u>AMERSON PET. CORP.</u> WELL: <u>STATE "C" NO. 1</u> FIELD: <u>BOBBS</u> COUNTY: <u>LEA</u> STATE: <u>N. MEX.</u> LOCATION: <u>SECTION 36, T-18-S, R-37-E</u>	COMPANY WELL FIELD COUNTY STATE LOCATION																																				
LOG MEAS FROM <u>TOP OF ROTARY TABLE</u> ELEV <u>3678</u> ORIG MEAS FROM <u>TOP OF ROTARY TABLE</u> ELEV <u>3672</u> PERM DATUM <u>TOP OF 1" CASING</u> ELEV <u>3659</u>		STATE N. MEX.																																				
TYPE OF LOG RUN NO DATE TOTAL DEPTH (DRILLER) EFFECTIVE DEPTH (DRILLER) TOP OF LOGGED INTERVAL BOTTOM OF LOGGED INTERVAL TYPE OF FLUID IN HOLE FLUID LEVEL MAXIMUM RECORDED TEMP NEUTRON SOURCE STRENGTH & TYPE SOURCE SPACING — IN LENGTH OF MEASURING DEVICE — IN O.D. OF INSTRUMENT — IN TIME CONSTANT — SECONDS LOGGING SPEED FT. / MIN STATISTICAL VARIATION — IN SENSITIVITY REFERENCE RECORDED BY WITNESSED BY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">GAMMA RAY</th> <th style="text-align: left;">NEUTRON</th> </tr> <tr> <td>ONE-ON</td> <td>ONE-ON</td> </tr> <tr> <td>1-21-54</td> <td>1-21-54</td> </tr> <tr> <td>1236</td> <td>1236</td> </tr> <tr> <td>1236</td> <td>1236</td> </tr> <tr> <td>SURFACE</td> <td>SURFACE</td> </tr> <tr> <td>1211</td> <td>1224</td> </tr> <tr> <td>OIL</td> <td>WATER</td> </tr> <tr> <td></td> <td>1228</td> </tr> <tr> <td></td> <td>6088</td> </tr> <tr> <td></td> <td>8.25</td> </tr> <tr> <td>36"</td> <td>9.1"</td> </tr> <tr> <td>3 5/8"</td> <td>3 5/8"</td> </tr> <tr> <td>2.5"</td> <td>1.5"</td> </tr> <tr> <td>20-50</td> <td>20-50</td> </tr> <tr> <td>274</td> <td>275</td> </tr> <tr> <td>SCHLOTTHACK</td> <td>SCHLOTTHACK</td> </tr> <tr> <td>BRACKET</td> <td>BRACKET</td> </tr> </table>	GAMMA RAY	NEUTRON	ONE-ON	ONE-ON	1-21-54	1-21-54	1236	1236	1236	1236	SURFACE	SURFACE	1211	1224	OIL	WATER		1228		6088		8.25	36"	9.1"	3 5/8"	3 5/8"	2.5"	1.5"	20-50	20-50	274	275	SCHLOTTHACK	SCHLOTTHACK	BRACKET	BRACKET	STATE N. MEX.
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SURFACE TO 212 SURFACE TO 2750 SURFACE TO 6062																																						
FROM R.A. LOG																																						
SURFACE TO 250 SURFACE TO 2757 SURFACE TO 6069																																						

IANE WELLS Radioactivity Log

COMPANY AMERICAN PET. CORP. WELL STATE NO. 3 FIELD LOCATION COUNTY STATE NEAR MEXICO	COMPANY <u>AMERICAN PETROLEUM CORP.</u>		Well Location 36-18-37																																																																																																														
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Return to
WESTERN E & P FILES
LOG SECTION

SHELL OIL COMPANY

Exploration Dept - Reservoir
BERGER WELL SURVEILLING CORPORATION

	<i>Chapman Log</i>	FILE NO
COUNTY _____ FIELD or _____ LOCATION _____ WELL _____	COMPANY <u>AMERACIA PER</u> <u>CORPORATION</u>	DATE _____
STATE <u>W</u> H "R" #2	WELL <u>STATE W H "R"</u> <u>12</u>	1000' Cont. W 1000' F. 1-5 270' F. 1-1
COMPANY <u>AMERACIA PER</u> <u>CORPORATION</u>	WELL <u>1000'S</u>	FILE NO D# 10007 F# 10007 or GL 30007
COUNTY _____ FIELD or _____ LOCATION _____ WELL _____	LOCATION SEE <u>14-195-37E</u> COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>	FILING No

RUN No		42	
Date	5-2-78		
First Reading	42.34		
Test Measured	39.84		
Cig Striker	264		
Cig Driller	83		
Depth Reached	12.4		
Bottom Driller	42.50		
Depth Bottom	42.50		
Mud Nat.	YEEL	AF. GL	
Dens. Visk	10.8		
Mud Resist	0.08		
Res. BHT	0.09		
Rmt	0.09		
Rmc	0.08		
RM			
WL Loss	9	C 30- C 30- C 30- C 30-	
Bl Size	7 7/8		
Spgrs	AM	NORMAL	
AO	32	LYMESTONE	
AO	19	LATERAL	
AF	4	HARD	
Truck No	5-28	HOBBS	
Recorded By	ROUSH		
Witness	IRAMP		

REMARKS

100-443887-100

RETURN TO
WESTERN E & S FILES
LOG SECTION

Sec. 14, T-18-S, R-37-E

SHELL OIL COMPANY
Exploration Dept.-Roswell



COUNTY FIELD or LOCATION WELL	LEA HOBBS STATE WH 8 & 1	COMPANY Amerado Petr. Corp.	COMPANY <u>AMERADO PETR.</u>	GR ML
			CORP.	Location of Well
			☒ NEHC <u>STATE WH 8 & 1</u>	660' S/L 1650' E/L
			☒ HOBBS	SEC. <u>14-18S-37E</u>
			LOCATION SEC. <u>14-18S-37E</u>	FL ☒ 3688
			COUNTY <u>LEA</u>	KB or GL
			STATE <u>NEW MEXICO</u>	RUN No

RUN No 1
Date 10-29-57
First Reading 4124
Last Reading 303
Feet Measured 3841
Csg. Schlum 303
Csg. Driller 303
Depth Reached 4147
Bottom Driller 4145
Depth Datum KB 10.40' Abv. GL
Mud Nat. Salt-Gel
Dens. Visc. 11.2 39
Mud Resist. .066 71
Res. BHT .054 97
Rmf .044 97
Rmc
pH
Wire Loss 12 CC 30 min
Bit Size 7 7/8"
Spgrs. AM 10" Normal
AO 32" LS
AO 19" Lateral
Opr. Rig Time 1 1/2 Hrs.
Truck No. 175B-Hobbs
Recorded By Winkler
Witness Mo. Idin

Return To
WESTERN E & P FILES
LOG SECTION

ANNOTATED

REMARKS GR B48 - 312 - 100 - 400
LOG. SENS. 300. 122. Speed 2000' Hr.

		Compensated Neutron <i>Gamma Ray</i>																																																									
FILE NO.	COMPANY <u>AMERADA HESS CORPORATION</u>																																																										
	WELL <u>STATE "E" NO. 1</u>																																																										
	FIELD <u>HOBBS</u>																																																										
	COUNTY <u>LEA</u>	STATE <u>NEW MEXICO</u>																																																									
	LOCATION:		Other Services																																																								
	1650' FNL & 330' FFL																																																										
	SEC <u>24</u>	TWP <u>18-S</u>	RGE <u>37-E</u>																																																								
Permanent Datum	GROUND LEVEL		Elev <u>3672'</u>																																																								
Log Measured from	<u>0 - 1</u>		PL Above Permanent Datum <u>3692'</u>																																																								
Drilling Measured from	<u>0 - 1</u>		DL <u>3672'</u>																																																								
DATE	<u>7-23-74</u>																																																										
Run No.	<u>ONE</u>																																																										
Log No.	<u>LDN/GR</u>																																																										
Logm. Exner	<u>4150' PRTD</u>																																																										
Origin Loggng	<u>4153'</u>																																																										
Bottom Logged Interval	<u>4151'</u>																																																										
Top Logged Interval	<u>2650'</u>																																																										
Type Fluid in Hole	<u>OIL</u>																																																										
Seamless From (L)																																																											
Density Log (L)																																																											
Level	<u>ABOVE 2600'</u>																																																										
Max. Rec Temp. Log #																																																											
Log. Log Time	<u>2 HOURS</u>																																																										
Log No. and Location	<u>602R HOBBS</u>																																																										
Recorded By	<u>MC. A. JEFF</u>																																																										
Witnessed By	<u>MR. OMAR</u>																																																										
<table border="1"> <thead> <tr> <th colspan="4">Bore Hole Record</th> <th colspan="4">Casing Record</th> </tr> <tr> <th>Run</th> <th>Bit</th> <th>From</th> <th>To</th> <th>Size</th> <th>Wgt</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>7"</td> <td></td> <td>SURE</td> <td>4015</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>5 1/2"</td> <td>11.1W</td> <td>4015</td> <td>4155</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Bore Hole Record				Casing Record				Run	Bit	From	To	Size	Wgt	From	To	1				7"		SURE	4015	1				5 1/2"	11.1W	4015	4155																								
Bore Hole Record				Casing Record																																																							
Run	Bit	From	To	Size	Wgt	From	To																																																				
1				7"		SURE	4015																																																				
1				5 1/2"	11.1W	4015	4155																																																				

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REFERENCE W 9713J



8 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

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Sec. 38, T-18-S, R-38-E

SCHLUMBERGER WELL SURVEYING CORPORATION		OIL COMPANY																
ESTD. 1921		Dept. - Roswell																
		1283C																
COMPANY <u>SINCLAIR OIL</u> AND GAS COMPANY WELL <u>✓ W.D. GRIMES</u> <u>NO. 2-A</u> FIELD <u>HOBBS</u> LOCATION <u>SEC. 2, T-18-S-38E</u> MINITY <u>LFA</u> STATE <u>NEW MEXICO</u>	Other Surveys LL MEI Location of Well 1910' From N/E 1940' From W/E FILE NO. <u>11-11-11</u> FILE NO. <u>11-11-11</u> FILE NO. <u>11-11-11</u>	Log Depths Measured From <u>GL</u> 0 Ft above <u>GL</u> DATE <u>11-11-11</u> Time <u>2:15 PM</u> First Reading <u>11.0</u> Last Reading <u>11.0</u> Footage Measured <u>11.0</u> Max. Depth Reached <u>11.0</u> Bottom in Feet <u>11.0</u> Maximum Temp. F. <u>11.0</u> Fluid Nature <u>SALT GEL MUD</u> Fluid Level Casing Size <u>10 3/4 in</u> Casing Weight <u>10 lb</u> to <u>582</u> Casing Size <u>in</u> Casing Weight <u>lb</u> to <u>to</u> Bit Size <u>8 3/4 in</u> to <u>to</u> Bit Size <u>in</u> to <u>to</u> No. Counters Used <u>ONE</u> Type Equipment <u>GNAM-4</u> Type Panel <u>GNPC</u> Op. Rig Time <u>3 HOURS</u> Truck No. <u>2526 HOBBS</u> Observer <u>KIRK</u> Witness <u>ROA-M</u>																
REMARKS: CALIBRATION BACKGROUND CPS TEST SOURCE CPS GALV. INCREASE DIVISIONS PANEL SENS. TAP FOR CAL <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>GAMMA RAY</td> <td>88</td> <td>400</td> <td>100</td> <td>400</td> </tr> <tr> <td>NEUTRON</td> <td>10</td> <td>420-2105R</td> <td>100</td> <td>500</td> </tr> <tr> <td></td> <td></td> <td>175-Far</td> <td></td> <td></td> </tr> </table>				GAMMA RAY	88	400	100	400	NEUTRON	10	420-2105R	100	500			175-Far		
GAMMA RAY	88	400	100	400														
NEUTRON	10	420-2105R	100	500														
		175-Far																

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West Texas Electrical Log Service



Nuclear Log

WELL NO.	COMPANY SINGLAI OIL & GAS COMPANY		
	WELL H. D. DRUMPS NO. 3		
	FIELD BODIE		
	COUNTY LEA	STATE NEW MEXICO	
	LOCATION: OTHER LOGS		
SEC 28 B1K TWP 18-S RGE 38-E ELEVATIONS			
PERMANENT DATUM	LEVEL	ELEV 3648	FB
LOG MEASURED FROM	SPOT LEVEL		DF
DRILLING MEASURED FROM	SPOT LEVEL		GA 3648
DATE	0-24-61	8-24-61	8-24-61
RUN NO.	ONE O.W.	ONE O.W.	ONE O.W.
TYPE LOG	NUCLEAR	NUCLEAR	NUCLEAR
DEPTH DRILLER	4212	4212	4212
DEPTH LOGGER	4210	4210	4210
BOTTOM LOGGED INTERVAL	4207	4209	4209
TOP LOGGED INTERVAL	3850	3850	3850
TYPE FLUID IN HOLE	FRESH WATER	FRESH WATER	FRESH WATER
SALINITY PPM CL			
DENSITY LB/GAL			
LEVEL	PULL	PULL	PULL
MAX. REC. TIME, DES. F.			
OP. LOG TIME	2 1/2 HRS.	2 1/2 HRS.	2 1/2 HRS.
RECORDED BY	W. S. Sisson		
WITNESSED BY			
Bore Hole Record			
RUN NO.	BIT	FROM	TO
1	8 3/4	SURFACE	3838
2	6 1/8	3958	4212
Casing Record			
RUN NO.	SIZE	WGT.	FROM
1	8 3/4	22	SURFACE
2	6 1/8		3958

THIS HEADLINE CONFORMS TO API STANDARD PRACTICE SP 32 (1)

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Dallas 2, Texas

REFERENCE A 626M



COMPLETION RECORD

SPUD DATE

COMP DATE

[illegible]

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Log Files

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 1000 COMMERCE STREET
 DALLAS, TEXAS 75201
WESTERN E & P FILES
 REFERENCE LOG SECTION

LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well COMPANY: <u>WESTERN SERVICE OIL CO.</u> WELL: <u>HARDIN WELL # 5</u> FIELD: <u>HOBBS</u> COUNTY: <u>LEA</u> STATE: <u>NEW MEXICO</u> LOCATION: <u>990 FWL 990 FWL SEC 10</u> <u>18S 38E</u>	FILE NO. WELL: <u>HARDIN WELL # 5</u> FIELD: <u>HOBBS</u> COUNTY: <u>LEA</u> STATE: <u>NEW MEXICO</u> LOCATION: <u>990 FWL 990 FWL SEC 10</u>																								
LOG MEAS. FROM E. D. B. ELEV. <u>3671</u> DRUG. MEAS. FROM E. D. B. ELEV. <u>3671</u> PERM. DATUM <u>5/8 IN 8.3' BELOW E. D. B.</u> ELEV. <u>3662.2</u>																									
TYPE OF LOG RUN NO. DATE TOTAL DEPTH (DRILLER) EFFECTIVE DEPTH (DRILLER) TOP OF LOGGED INTERVAL BOTTOM OF LOGGED INTERVAL TYPE OF FLUID IN HOLE FLUID LEVEL MAXIMUM RECORDED TEMP. NEUTRON SOURCE STRENGTH & TYPE SOURCE SPACING — IN. LENGTH OF MEASURING DEVICE — IN. O.D. OF INSTRUMENT — IN. TIME CONSTANT — SECONDS LOGGING SPEED FT./MIN. STATISTICAL VARIATION — IN. SENSITIVITY REFERENCE RECORDED BY WITNESSED BY	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"> GAMMA RAY ONE-HW 5-9-52 4252 4252 3000 4251 MUD FULL 6000 8.25 9 3 5/8 5 25-45 274 STEWART DICKIN </td> <td style="width: 33%;"> NEUTRON ONE-HW 5-9-52 4252 4252 3000 4251 MUD FULL 6000 8.25 9 3 5/8 2.5 15-70 275 </td> <td style="width: 33%;"></td> </tr> </table>	GAMMA RAY ONE-HW 5-9-52 4252 4252 3000 4251 MUD FULL 6000 8.25 9 3 5/8 5 25-45 274 STEWART DICKIN	NEUTRON ONE-HW 5-9-52 4252 4252 3000 4251 MUD FULL 6000 8.25 9 3 5/8 2.5 15-70 275																						
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CASING RECORD <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>RUN NO.</th> <th>BIT SIZE</th> <th>CASING</th> <th>WT.—LB.</th> <th>FROM WELL RECORD</th> <th>FROM R/A LOG</th> </tr> <tr> <td>ONE</td> <td>8 5/8</td> <td>ONE</td> <td>251</td> <td>TO 251</td> <td>TO</td> </tr> <tr> <td>ONE</td> <td>7 7/8</td> <td>ONE</td> <td>251</td> <td>TO 4742</td> <td>TO 4242</td> </tr> <tr> <td>ONE</td> <td>6 1/2</td> <td>ONE</td> <td>4242</td> <td>TO 4252</td> <td>TO 4252</td> </tr> </table>		RUN NO.	BIT SIZE	CASING	WT.—LB.	FROM WELL RECORD	FROM R/A LOG	ONE	8 5/8	ONE	251	TO 251	TO	ONE	7 7/8	ONE	251	TO 4742	TO 4242	ONE	6 1/2	ONE	4242	TO 4252	TO 4252
RUN NO.	BIT SIZE	CASING	WT.—LB.	FROM WELL RECORD	FROM R/A LOG																				
ONE	8 5/8	ONE	251	TO 251	TO																				
ONE	7 7/8	ONE	251	TO 4742	TO 4242																				
ONE	6 1/2	ONE	4242	TO 4252	TO 4252																				

Exploration: Guy Kawasaki



OIL WELL CEMENTING CO.

CHEVRON
COMPANY STANDARD OIL COMPANY
OF TEXAS FILE
WELL STATE ~~12~~ # 1-17
FIELD Hobbs
COUNTY Lea STATE NEW MEX
SEC 17 TWP. 18-SRGE 38-E
SURVEY

Location
330' Fr. W 1
1650' Fr. S 1
Sec. 17
Twp. 18-S
Rge. 38-E
GUARD (GR-NG)
FORxo - Cal.)
Elevation: D.F. 1660
K.B. 1668
Grid 1659

Log Measured From	Drive Bushing	Elevation	3668
Drilling Measured From	Drive Bushing	Elevation	3668
Permanent Datum	Ground Level	Elevation	3659

Run No.	ONE						
Date	6-3-57						
Footage Logged	1704'						
Total Depth, GUARD	4204'						
Total Depth, Driller	4207'						
Total Depth, Reached	4209'						
Csg. Shoe, GUARD	Not Logged						
Csg. Shoe, Driller	423'						
Csg. Size	9 5/8"						
Bus Size	8 3/4"						
Mud-Kind	Water Based						
Treatment	Starch - Soap						
	Lubrisol - Caustic						
	Salt Gel						
Weight	10.6						
Viscosity	38						
ph	6.1	F	6.1	F	6.1	F	6.1
Loss ml/ min	6.1	F	6.1	F	6.1	F	6.1
Res Ohms m ² /m	0.0564	F	6.1	F	6.1	F	6.1
Mud Res/G.M.H.F.	0.037	F	6.1	F	6.1	F	6.1
Max. Temp.	98 F	F	6.1	F	6.1	F	6.1
Source Mud Sample	Uncollected						

Source Mud Sample	2 Z	3 Z	4 Z	10'	41/2'
Electrode Spacings					
Guard Truck No.					

100

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LOS ANGELES

(Faint, illegible text)

Sec. 33, T-18-S. R-38-E

SHIELD OF TEXAS
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Dallas 2, Texas

REFERENCE No A 5074 -D

card

SCHLUMBERGER WELL SURVEYING CORPORATION	
COMPANY GULF OIL CORPORATION	
WELL GRIMES MEZ-B # 4	
FIELD HOBBS	
LOCATION SEC. 33-18S-38E	
COUNTY LE	
STATE NEW MEXICO	
Location of Well 660' T N&E/L GRN	
Elevation: D.F. 3642 K.B. or G.L.	
FILING No.	

RUN NO.	
Date	4-25-56
Depth Reference	3.7' Abv. Unit Floor
First Reading	4170
Last Reading	100
Footage Measured	4070
Max. Depth Reached	4171
Bottom Driller	4173
Maximum Temp. F	103
Mud Nature	Water
Density	
Viscosity	
Resistivity	
Casing Size &	1" to 3919
Open Hole	2" to 10
Fluid Level	250
Recording Speed (ft/hr)	2000' & 4000'
Sensitivity Top	GR) 150 (N) 300
Time Constant	
Panel	6HP-C # 22
Op. Rig Time	32 Hrs.
Sonde Size & Type	5/8"
Truck No.	2704-Hobbs
Observer	Reithers

ANNOTATED

**Return To
WESTERN E & P FILES
LOG SECTION**

Sec: 18, T-18-S, R-38-E

SHELL OIL COMP NY

12 J 3C



COMPANY: <u>GULF OIL CORPORATION</u>	LOCATION:
WELL: <u>MAGNIN 2 5</u>	
FIELD: <u>MOBBS</u>	
COUNTY: <u>LEA</u> STATE: <u>N.M.</u>	
LOCATION: <u>1560' S&E1 SEC. 18</u>	FILE NO. _____
<u>1125-018E</u>	LOG NO. <u>55971</u>
LOG MEAS FROM ROTARY TABLE: <u>1'</u>	REV. <u>3675</u>
DEIG MEAS FROM ROTARY TABLE	REV. <u>3674</u>
PERM DATUM: <u>SEALED LEVEL</u>	REV. <u>3663</u>

TYPE OF LOG	DATE	TIME
RUN NO. <u>1-8</u>	<u>5-2-59</u>	<u>5-8-59</u>
TOTAL DEPTH (DRILLER)		
EFFECTIVE DEPTH (DRILLER)	<u>4163</u>	<u>4163</u>
EFFECTIVE DEPTH (WESTERN)	<u>4163</u>	<u>4163</u>
TOP OF LOGGED INTERVAL	<u>5000</u>	<u>5000</u>
BOTTOM OF LOGGED INTERVAL	<u>4155.5</u>	<u>4164</u>
TYPE OF FLUID IN HOLE	<u>OIL</u>	<u>CIL</u>
FLUID LEVEL	<u>433</u>	<u>433</u>
SOURCE STRENGTH & TYPE	<u>51283</u>	
SOURCE SPACING	<u>1000</u>	
DETECTOR CLASS	<u>D-COUNTING</u>	<u>D-COUNTER</u>
DETECTOR TYPE	<u>0-3</u>	<u>0-3</u>
DETECTOR LENGTH	<u>6</u>	<u>6</u>
O.D. OF INSTRUMENT IN	<u>1 3/8</u>	<u>1 3/8</u>
TIME CONSTANT - SEC	<u>4.0</u>	<u>4.0</u>
LOGGING SPEED - FT/MIN	<u>20</u>	<u>20</u>
STATISTICAL VARIATION	<u>REC'D</u>	<u>RECORDED</u>
SENSITIVITY REFERENCE	<u>0-25</u>	<u>0-300</u>
RECORDED BY	<u>KIMBALL</u>	
WITNESSED BY	<u>M.R. NEWMAN</u>	

CASING RECORD		INTERVAL	
BIT SIZE	CASING	WT. LB.	FROM WELL RECORD
	<u>1 1/2</u>	<u>9.5</u>	TO <u>100</u>
			TO
			TO
			TO

REMARKS

3674' df
 3674' df

LOGS TO
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1959

**Return To
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LOG SECTION**

LANE WELLS

*Radioactivity
Log*

COMPANY: WAF WIL CORP. Well Location

WELL: WAF WIL No. 6

FIELD: MDRMS

LOCATION: SECTION 18-188-382

COUNTY: LJA STATE: N.M.

LOG ZERO: 1980' PER 640' PER ELEV. 3213

DEPT. ZERO: 1980' PER 640' PER ELEV. 3213

PERM. DATUM: 1980' PER 640' PER ELEV. 3202

TYPE OF LOG	DATE	TIME	WELL	WELL
RUN NO.	105-40	105-40	105-40	105-40
DATE	105-40	105-40	105-40	105-40
TOTAL DEPTH (DRILLER)	4172	4172	4172	4172
EFFECTIVE DEPTH (DRILLER)	4172	4172	4172	4172
TOP OF LOGGED INTERVAL	4172	4172	4172	4172
BOTTOM OF LOGGED INTERVAL	4172	4172	4172	4172
TYPE OF FLUID IN HOLE	Oil	Oil	Oil	Oil
FLUID LEVEL				
MAXIMUM RECORDED TEMP.				
SOURCE STRENGTH & TYPE				
SOURCE SPACING - IN.				
DETECTOR CLASS				
DETECTOR TYPE				
LENGTH OF MEAS. DEVICE - IN.				
O.D. OF INSTRUMENT - IN.				
TIME CONSTANT - SECONDS				
LOGGING SPEED FT./MIN.				
STATISTICAL VARIATION - IN.				
SENSITIVITY REFERENCE				
RECORDED BY				
WITNESSED BY				

WELL RECORD	FROM WELL RECORD	FROM LOG
RUN	BIT SIZE	CASING WT.-LB.
ONE	1 3/4	2-3
TWO	1 3/4	2-3
THREE	1 3/4	2-3
FOUR	1 3/4	2-3
FIVE	1 3/4	2-3
SIX	1 3/4	2-3
SEVEN	1 3/4	2-3
EIGHT	1 3/4	2-3
NINE	1 3/4	2-3
TEN	1 3/4	2-3

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REFERENCE A9177D ✓

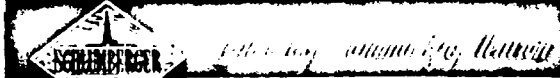
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PRODUCTION FILES

ROOM 412 SHELL BLDG.

SCHLUMBERGER WELL SURVEYING CORPORATION



14-18-37

Gatty oil

COUNTY FIELD or LOCATION WELL COMPANY	COMPANY	SLOAN-WALKER OIL COMPANY	
	WELL	STATE B 2	
	WELD	TARRANT	
	COUNTY	11A	STATE
	Location	2310' FROM N/L 1650' FROM E/L	Other Services
	Sec. 14	Twp. 18S	Rge. 3/E

Permanent Datum	KB	Elev.	Elev. K.B.
Log Measured From		Ft. Above Perm. Datum	D.F. 369
Drilling Measured From			G.L.

Date	11-17-59
Run No.	ONE
Depth - Driller	4275
Depth - Schlum.	4273
Str. Log Interval	4269
Top Log Interval	30
Casing - Driller	
Casing - Schlum.	334
Bit Size	7 7/8
Type Fluid in Hole	SALT WATER IMPER
Dens. Visc.	
pH Fluid Loss	
Source of Sample	
Rm @ Meas. Temp.	0690 48 F
Rmf @ Meas. Temp.	0320 89 F
Rmc @ Meas. Temp.	0400 89 F
Source Rmf Rmc	
Rm @ S.M.T.	0420 99 F
Time Since Circ.	3 HOURS
Alas. Rec. Temp.	
Equip. Location	1555 ANDREWS
Recorded By	IRVING HOPST
Witnessed By	P. LEECE

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AND LIBRARY
MID-CONTINENT
DIVISION
ROOM 11

SPUD DATE

COMP DATE

PRODUCTION FILES

WELL SIDE

PRODUCTION FILES
REFERENCE ROOM 412 SHELL BLDG.

REFERENCE

SCHLEIBERGER WELL SERVING CORPORATION

COUNTY	Loc.	COMPANY	Location of Well
FIELD	MOBBS	SKELLY OIL	330 f N&E/L
WELL	MOBBS E # 1	COMPANY GETTY	GRN (LL)
FIELD	MOBBS	WELL	
LOCATION	SEC. 26-18S-37E		
COUNTY	LEA		Elevation: D.F., 3670
STATE	NEW MEXICO		K.B. or G.L.
			FILING No.

RUN NO.	
Date	8-27-56
Depth Reference	KB 9.6 Adv. GL
First Reading	4257
Last Reading	97
Footage Measured	4160
Max. Depth Reached	4258
Bottom Driller	4256
Maximum Temp. F.	
Mud: Nature	58
Density	
Viscosity	
Resistivity	
Casing Size & Weight	5 5/8 10 393
Open Hole	7 7/8 10 10
Fluid Level	
Recording Speed (ft/hr)	2000' & 4000'
Sensitivity Top	GA 150 (N) 400/300 GA (N)
Time Constant	279
Pencil	GNC # 15A
Oper. Log Time	2 Hrs.
Spindle Size & Type	1 5/8
Turns No.	1762 - 1066
Observer	W. H. G.

WESTERN
KITCHEN
P & P FILES
TO BE
1966 SECTION

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WESTERN LOG FILES
LOG SECTION
 REFERENCE NO. A 2226

THE WESTERN COMPANY GAMMATRON <i>Geophysical Services and Radiometric Logging</i>																																					
LOCATION	COMPANY: <u>C.H. SWEET</u> WELL: <u>SHELL STATE #1</u> FIELD: <u>HOORS</u> COUNTY: <u>LEA</u> STATE: <u>N.M.</u> LOCATION: <u>110° FSL 2110° FSL SEC. 21</u> <u>T-18-S R 37 E</u>																																				
FILE NO.	LOG NO. <u>1297</u>																																				
LOG MEAS. FROM: <u>1' ABOVE R.T.</u> ELEV. <u>2679</u>																																					
DRILG. MEAS. FROM: <u>1' ABOVE R.T.</u> ELEV. <u>2679</u>																																					
PERM. DATUM: <u>D.F.</u> ELEV. <u>2678</u>																																					
RUN NO. _____ TYPE OF LOG _____ DATE _____ TOTAL DEPTH (OPERATOR) _____ EFFECTIVE DEPTH (OPERATOR) _____ EFFECTIVE DEPTH (WESTERN) _____ TOP OF LOGGED INTERVAL _____ BOTTOM OF LOGGED INTERVAL _____ TYPE OF FLUID IN HOLE _____ FLUID LEVEL _____ NEUTRON SOURCE TYPE _____ SOURCE SPACING IN. _____ LENGTH OF DETECTOR IN. _____ O.D. OF INSTRUMENT IN. _____ TIME CONSTANT SEC. _____ LOGGING SPEED FT./MIN. _____ STATISTICAL VARIATION IN. _____ SENSITIVITY REFERENCE _____ RECORDED BY _____ WITNESSED BY _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ONE</th> <th>ONE</th> </tr> </thead> <tbody> <tr><td>G/R</td><td>NEUTRON</td></tr> <tr><td>1-16-53</td><td>1-16-53</td></tr> <tr><td>4191</td><td>4191</td></tr> <tr><td>4191</td><td>4191</td></tr> <tr><td>4189</td><td>4189</td></tr> <tr><td>3000</td><td>3000</td></tr> <tr><td>4187</td><td>4187</td></tr> <tr><td></td><td>600N</td></tr> <tr><td></td><td>3.25</td></tr> <tr><td>30</td><td>9.1</td></tr> <tr><td>3 5/8</td><td>3 5/8</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>20-35</td><td>20-35</td></tr> <tr><td></td><td></td></tr> <tr><td>276</td><td>275</td></tr> <tr><td></td><td>TOM HOWARD</td></tr> <tr><td></td><td>C. H. SWEET</td></tr> </tbody> </table>	ONE	ONE	G/R	NEUTRON	1-16-53	1-16-53	4191	4191	4191	4191	4189	4189	3000	3000	4187	4187		600N		3.25	30	9.1	3 5/8	3 5/8	3	3	20-35	20-35			276	275		TOM HOWARD		C. H. SWEET
ONE	ONE																																				
G/R	NEUTRON																																				
1-16-53	1-16-53																																				
4191	4191																																				
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4189	4189																																				
3000	3000																																				
4187	4187																																				
	600N																																				
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30	9.1																																				
3 5/8	3 5/8																																				
3	3																																				
20-35	20-35																																				
276	275																																				
	TOM HOWARD																																				
	C. H. SWEET																																				

CASING RECORD

RUN NO.	BIT SIZE	CASING	WT.-LB.	INTERVAL	
				FROM WELL RECORD	FROM SA LOG
ONE		5 1/2		SURF. TO 3993	SURF. TO 3993
ONE	4 3/4			3993 TO 4191	3993 TO 4189
				TO	TO
				TO	TO

Sec. 14, T-18-S, R-32-E

SHELL OIL COMPANY
Exploration Dept.-Roswell

SCHLUMBERGER WELL SURVEYING CORPORATION
REGISTERED OFFICE: HOUSTON, TEXAS

COMPANY TEXAS PACIFIC COAL & OIL CO.
WELL STATE V # 1
FIELD HOBBS
LOCATION SEC. 14-18S-32E
COUNTY LEA
STATE NEW MEXICO

Location of Well
1650' ± S/L
330' ± E/L

Elevation: D.F. 3680
K.S.L.
or G.L.

FILING No.

RUN NO. 12-31-57

Date 12-31-57
Depth Reference 10' Abv. GI
First Reading 4164
Last Reading 0
Footage Measured 4164
Max. Depth Reached 4165
Bottom Driller 4162
Maximum Temp. °F. 85
Mud: Nature Salt
" Density 10.0
" Viscosity 48
" Resistivity 0.45 @ 72 °F.
Casing Size & 8 5/8" to 309
Weight 1 to 18
Open Hole 2 to 18
Fluid Level Full
Recording Speed (ft/hr) 1800 & 3600 / Hr.
Sensitivity Top (G) 300 (N) 400 (G) (N)
Time Constant 2
Panel GNP-C
Op. Rig Time 3 Hrs.
Sonde Size & Type GRAM-A 3 5/8"
Truck No. 1760-Hobbs
Observer Willson

ANNOTATED

REMARKS: CALIBRATION BACKGROUND CPS		TEST SOURCE CPS	GALV. INCREASE DIVISIONS	PANEL SENS. TAP FOR CAL.
GAMMA RAY		435	100	400
NEUTRON		240	100	400
12-31-57 30' / Hr.				
A-1760 30' / Hr.				

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Date: 9-1-58

SCHLUMBERGER WELL SURVEYING CORPORATION EST. 1919			
COUNTY FIELD or LOCATION WELL COMPANY	LEA	COMPANY	TEXAS PACIFIC <u>COAL AND OIL CO.</u>
	HOBBS	STATE	Other Surveys LL MLL
	HOBBS	NEW MEXICO	Location of Well 0' From N/E 20' From S/E
	HOBBS	NEW MEXICO	Elevation DS KB 3699 or GL 3791
	HOBBS	NEW MEXICO	FILING No.
Log Depths Measured From KB 8 Ft above GL			
RUN NO 1			
Date 1-18-59 First Reading 4299 Last Reading 0 Footage Measured 4299 Max Depth Reached 4300 Bottom Driller 4299 Maximum Temp F 99 Fluid Nature SAL. MUD Fluid Level 200			
Casing Size 8 5/8 in 1 to 320 in 1 to Casing Weight 15 lb 1 to 320 in 1 to Casing Size 7 7/8 in 320 to 4300 in 1 to Casing Weight 15 lb 1 to 320 in 1 to Bit Size 7 7/8 in 320 to 4300 in 1 to No. Counters Used ONE Type Equipment GNAM-4 Type Panel GNP-C Op. Pkg Time 3 HOURS Truck No 2526 Observer KIRK Witness SMITHERMAN			
REMARKS			
CALIBRATION: 95 430 100 400 GAMMA RAY: 95 430 100 400 NEUTRON: 450 130 500			
DECENTRALIZER NOT USED BECAUSE OF HOLE CONDITIONS			

PRODUCTION DEPT.
 LOG FILE

4299
 11
 57

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 Dallas 2, Texas

REFERENCE A8474A

PRODUCTION DEPT.
 LOG FILE

Return to
WESTERN E & P FILES
LOG SECTION

Dresser Atlas		BHC <i>Acoustilog</i>	
FILE NO.	COMPANY <u>GULF OIL COMPANY-U. S.</u>		
	WELL <u>DAN W. HARDIN NO. 9</u>		
	FIELD <u>HOBBES</u>		
	COUNTY <u>LEA</u>	STATE <u>NEW MEXICO</u>	
	LOCATION: 580' FSL & 2310' FEL		Other Services
	SEC. <u>18</u> TWP. <u>18-S</u> RGE. <u>38 E</u>		
Permanent Datum	<u>GROUND LEVEL</u>		Flow <u>3665</u>
Log Measured from	<u>K. B.</u>	<u>11</u> Ft. Above Permanent Datum	KB <u>3676</u>
Drilling Measured from	<u>K. B.</u>		DF <u>3675</u>
			GL <u>3665</u>
Date	<u>5-26-71</u>		
Run No.	<u>ONE</u>		
Depth—Driller	<u>4350</u>		
Depth—Logger	<u>4339</u>		
Bottom Logged Interval	<u>4336</u>		
Top Logged Interval	<u>SURFACE</u>		
Casing—Driller	<u>8 5/8" 295</u>		
Casing—Logger	<u>300</u>		
Bit Size	<u>7 7/8"</u>		
Type Fluid in Hole	<u>MILSTARCH</u>		
Density and Viscosity	<u>10.5</u> <u>38</u>		
pH and Fluid Loss	<u>6</u> <u>20.8</u>		
Source of Sample	<u>CIRCULATED</u>		
Run @ Meas. Temp.	<u>.053 @ 69 °F</u>		
Run @ Meas. Temp.	<u>.043 @ 69 °F</u>		
Run @ Meas. Temp.	<u>.066 @ 69 °F</u>		
Source of Ref and Rec	<u>MEAS. MEAS.</u>		
Run @ BHT	<u>.033 @ 105 °F</u>		
Time Since Circ.	<u>3 HOURS</u>		
Max Rec Temp. Day 1	<u>105 °F</u>		
Equip. No. and Location	<u>6040 HOBBES</u>		
Recorded By	<u>HOWE</u>		
Witnessed By	<u>HR. COLLINS & HR. TOLBY</u>		

Return to
 WESTERN E & P FILES
 LOG SECTION

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PLEASE RETURN TO
MID-CONTINENT DIVISION
 11 CONTINENT DIVISION FILES

31-18-38

Reproduced By
West Texas Electrical Log Service
1305 Commerce Street
Dallas 1, Texas

REFERENCE NO A 882 -B

LANE RADIOACTIVITY LOG WELLS COMPANY			
Location of Well COMPANY: MADOLLA PET. CO. WELL: <u>MOBILE</u> FIELD: <u>RODGE</u> COUNTY: <u>ISA</u> STATE: <u>S.H.</u> LOCATION: <u>SEC. 31-183-30E</u> 3650' 99' F S 1 W 1 S.		FILE NO. WELL: <u>MOBILE</u> FIELD: <u>RODGE</u> COUNTY: <u>ISA</u> STATE: <u>S.H.</u>	
LOG MEAS. FROM TOP OF ROTARY TABLE ELEV. 3680' DRG. MEAS. FROM TOP OF ROTARY TABLE ELEV. 3680' PERM. DATUM 7" C30. READ PLATE ELEV. 3648'			
TYPE OF LOG RUN NO. 1 DATE 1-24-60 TOTAL DEPTH (DRILLER) 4317' EFFECTIVE DEPTH (DRILLER) 4317' TOP OF LOGGED INTERVAL 1500' BOTTOM OF LOGGED INTERVAL 4318' TYPE OF FLUID IN HOLE OIL AND FLUID LEVEL FULL MAXIMUM RECORDED TEMP. 8000 NEUTRON SOURCE STRENGTH & TYPE 0.28 SOURCE SPACING - IN. 9 LENGTH OF MEASURING DEVICE - IN. 36 O.D. OF INSTRUMENT - IN. 3 5/8 TIME CONSTANT - SECONDS 25 LOGGING SPEED FT. MIN. 274 STATISTICAL VARIATION - IN. 274 SENSITIVITY REFERENCE 274 RECORDED BY SCHLOTTERBACK WITNESSED BY KATZ		O/R 1 S/L 1 1-24-60 4317' 4317' 1500' 4318' OIL AND FULL 8000 0.28 9 36 3 5/8 25 274 274 274 SCHLOTTERBACK KATZ	
CASING RECORD RUN NO. 1 SIZE-IN. 7 WT.-LB. 7 INTERVAL SURFACE 3306' TO 437'		OPEN BORE HOLE RECORD RUN NO. 1 SIZE-IN. 8 1/2 WT.-LB. 3306' TO 437'	

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



MICROLATEROLOG

COUNTY LEA FIELD & LOCATION WELL COMPANY THE OHIO OIL CO.	COMPANY THE OHIO OIL CO.	Location of Well
	MARATHON	990' T 38N/L Sec. 30-18S-38E
	WELL STATE SEC. 30-18-38	
	# 2	
	FIELD HOBBS	MLL-GRL (LL-GRN)
	LOCATION SEC. 30-18S-38E	Elevation: D.P. 3662 K.S. 3663 or O.L. 3652
	COUNTY LEA	FILING No.
	STATE NEW MEXICO	

RUN No.	1
Date	9-17-55
First Reading	4211
Last Reading	368
Feet Measured	3903
Cip. Schlum.	368
Cip. Driller	368
Depth Reached	4274
Bottom Driller	4273
Depth Datum	25' 1" ANY. GL
Mud Nat.	25' 1" 50
Density	10.1
Viscosity	40
Resist.	0.7 @ 88' F
Res. MSL	0.6 @ 104' F
psi	5.4
Whe. Loss	2.5 @ 70 min.
Mud Temp. °F	104
Bit Size	3 1/4"
	9/16/57/619/16
Opr. Bq Time	4 Hrs.
Truck No.	1762-Hobbs
Recorded By	Roth
Witness	Scott

REMARKS: GA: 844 - 788 - 100 (28.0)
Log. sens. 140; TCI. 4; speed 2000' & 1000' / hr.

SPONTANEOUS-POTENTIAL millivolts	MICROLATEROLOG
-204	0 4
	0 40

**CENTRAL FILES
WESTERN DIVISION**

TEMPERATURE			
COMPANY GULF OIL CORP. WELL J. B. HOLT SEC. 36-185-37E COUNTY LEA STATE N.M. LOCATION SEC. 36-185-37E	COMPANY	GULF OIL CORP.	
	WELL	J. B. HOLT (INT-DI-MO. 1)	
	FIELD	LOANS	
	LOCATION	SEC. 36-185-37E	
	COUNTY	LEA	STATE N.M.
	LOG MEASURED FROM		F. B. (10-3' A.G.L.) ELEV. 3670'
	DELT. MEASURED FROM		K. B. ELEV. 3670'
	PERM DATUM		G. L. ELEV. 3660'
TYPE OF LOG	CABLE RAY	RECTION	ISOTRON
STN NO.	1		
DATE	7-26-57		
FIRST READING	4773'		
LAST READING	100'		
FOOTAGE LOGGED	4173'		
MAX. DEPTH REACHED	4773'		
SHOOTER DEPTH	4773'		
PISTON RAYLES	011		
PISTON LEVEL	334		
MAX. TEMP	N.A.		
2ND RISE	427		
2ND WINDY	174		
OPEN BORE DIA.	N.A.		
SENE FOS	725	745	765
TIME CONSTANT	2		
LOGGING SPEED	1:00" F. 2000' /HR.		
LOG TYPE	4-5 TUBES		
LOCATION	GRASSA		
TRUCK NO.	103 C. 303		
RECORDED BY	DANIEL		
RECORDED BY	EVANS		

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West Texas Electrical Log Service
McLAREN, TEXAS 79701

11000078 - 11000079

Sec. 34 18-S, R-38-E

12530

 	
FILE NO.	COMPANY <u>RALPH LOWE</u> WELL <u>HOBBS NO. 1</u> FIELD <u>HOBBS</u> COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u> LOCATION <u>2485' FNL & 1184' FEL</u> SEC <u>34</u> TWP <u>18-S</u> RGE <u>38-E</u>
Permanent Datum	Ground Level Log Measured from <u>K.D.B.</u> 11.2 ft. Above Permanent Datum Drilling Measured from <u>K.D.B.</u>
Date	12-23-64
Run No.	One
Depth—Driller	4278
Depth—Logger	4278
Bottom Logged Interval	4274
Top Logged Interval	Surface
Casing—Driller	8 5/8" 368
Casing—Logger	
Bit Size	7 7/8" to 4090 3/4" to 4278
Type Fluid in Hole	Soft Gel
Density and Viscosity	10.3 42
pH and Fluid Loss	8.4
Source of Sample	P11
Rm @ Meas. Temp	10 @ 40
Rmf @ Meas. Temp	07 @ 40
Rmc @ Meas. Temp	12 @ 40
Source of Rmf and Rmc	
Rm @ BHT	046 @ 90
Time Since Crc	3 Hours
Max. Rec. Temp. Deg. F	90°
Equip. No. and Location	900 Hobbs
Recorded By	Schlotterbach
Witnessed By	Franzel

Reproduced By
West Texas Electrical Log Service
Dallas 2, Texas

ANNOTATED

REFERENCE W1547H



Sec. 23, T-18-S, R-32-E

SHELL OIL COMPANY
Exploration Dept. - Houston

12J 3C

SCHLUMBERGER WELL SURVEYING CORPORATION	
LEA HOBBS SHIPP CITIES SERVICE OIL COMPANY COMPANY <u>CITIES SERVICE OIL COMPANY</u> WELL ☒ SHIPP <u>CAC</u> FIELD <u>HOBBS</u> COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u> Location: <u>1650' FROM W/L</u> <u>990' FROM W/L</u> Sec. <u>23</u> Twp. <u>18S</u> Rge. <u>37E</u> Other Services: <u>MLL</u> Permanent Datum: <u>GROUND LEVEL</u> Elev.: <u>3691</u> Log Measured From: <u>KB</u> 9.65 Ft. Above Perm. Datum Drilling Measured From: <u>KB</u> D.F. <u>G.I.</u> Date: <u>10-17-59</u> Run No. <u>4250</u> Depth - Driller: <u>4250</u> Depth - Schlum.: <u>4245</u> Bit Log Interval: <u>0</u> Top Log Interval: <u>0</u> Casing - Driller: <u>8 5/8 @ 321</u> Casing - Schlum.: <u>320</u> Bit Size: <u>7 7/8"</u> Type Fluid in Hole: <u>SALT GEL</u> Dens. Visc.: <u>10.5 38</u> pH Fluid Loss: <u>11 CC</u> Source of Sample: <u>MUD PIT</u> Run @ Meas. Temp.: <u>.051 @ 76 F</u> Run @ Meas. Temp.: <u>.042 @ 76 F</u> Run @ Meas. Temp.: <u>.10 @ 76 F</u> Source Run @ Meas. Temp.: <u>M M</u> Run @ R. H. T.: <u>.04 @ 100 F</u> Time Since Circ.: <u>2 HOURS</u> Min. Rec. Temp.: <u>100</u> Equip. Location: <u>2526 HOBBS</u> Recorded By: <u>WINKLER</u> Reviewed By: <u>HARRARD</u>	

Return To
WESTERN E & P FILES
LOG SECTION

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Dallas 2, Texas

ANNOTATED

Sec. 25, T-11-3, R-328

SHELL OIL COMPANY
Exploration Dept.-Roswell

Simultaneous

Radiation Log

LOG NO. 77609		COMPANY SHELL OIL CORPORATION	
STATION NO. 0000		STATE OK	
TRUSS NO. 00-24		COUNTY MOSBY	
SHELL OIL CORPORATION STATE OK COUNTY MOSBY LOCATION LOG MEAS. FROM C.M.F. ELEV. 3667 BORE MEAS. FROM SAME D.F. ELEV. 3477 PERMANENT DATUM SAME ELEV. 3667		COUNTRY LES, NEW MEXICO	
		LOCATION 1680' F.M., 990' F.M., SEC. 25,	
		TWP. 10-S RGE. 37-E	
		LOG MEAS. FROM C.M.F. ELEV. 3667	
COUNTRY SHELL OIL CORPORATION		COUNTRY SHELL OIL CORPORATION	
WELL STATE OK		WELL STATE OK	
FIELD MOSBY		FIELD MOSBY	
COUNTY LES		COUNTY LES	
STATE NEW MEXICO		STATE NEW MEXICO	
TYPE OF LOG		GAMMA RAY - NEUTRON	
DATE		ONE	
TOTAL DEPTH - DRILLER		12-17-57	
TOTAL DEPTH - P.S.A.C.		4248	
FLUID IN HOLE		4248	
FLUID LEVEL		01	
BATHY THERMOMETER		20	
NEUTRON SOURCE TYPE		3	
CPI FOR CALIB. ITR		TA	
RECORDING SCALE 4" / 100 IN		RB 600	
RECORDED BY J. BRAUER		LOG SECTION	
WITNESSED BY G. LAYNE			
LOGGED INTERVAL RECORD		GAMMA-RAY	
SCALE	FROM	TO	SPEED
"RPM"	PT.	PT.	"/MIN.
2	3400	SURF	60
5	4248	3400	15
LOGGING AND SCALE DATA		REMARKS INSTRUMENT CENTRALIZED.	
ON THE SCALE		REPEAT SECTION RUN ON SPALLER CALIBRATION	
ON THE SCALE		DEFLECTION FROM DETAIL BY REQUEST OF MR. LAYNE	
GAMMA-RAY - 0.5" / 100 IN		2" PHOTOGRAPHED FROM 5" FROM 4248' TO 3400'.	

our Radioactivity Log

LOG MEAS FROM SHADPOVE CELLAR COVER BLV. 3651
DRIG MEAS FROM SHADPOVE CELLAR COVER BLV. 3651
PERM DATUM CELLAR COVER BLV. 3651

```

TYPE OF LOG
RUN NO
DATE
TOTAL DEPTH (DRILLER)
EFFECTIVE DEPTH (DRILLER)
EFFECTIVE DEPTH (WESTERN)
TOP OF LOGGED INTERVAL
BOTTOM OF LOGGED INTERVAL
TYPE OF FLUID IN HOLE
FLUID LEVEL
SOURCE STRENGTH & TYPE
SOURCE SPACING
DETECTOR CLASS
DETECTOR TYPE
DETECTOR LENGTH
O.D. OF INSTRUMENT
TIME CONSTANT
LOGGING SPEED
STATISTICAL VARIATION
SENSITIVITY REFERENCE
RECORDED BY
WITNESSED BY

```

Casing Record				Interval	
Bit Size	Casing	WT. LB	From Well	Record	From RA Log
	1		TO	25	TO
	1		TO	25.20	TO
	1		TO	25.5	TO
	1		TO	25.10	TO

The image contains two vertically stacked line graphs sharing a common horizontal axis. The horizontal axis has major tick marks at 100 and 200.

Top Graph:

- Y-axis Label:** NEUTRON
- Y-axis Unit Label:** ENVIRONMENTAL UNITS
- Scale:** A horizontal line segment with the number 50 below it, indicating the scale of the y-axis.
- Data:** The graph shows a line with several peaks and valleys. A prominent feature is a sharp drop in the data around the 150 mark on the x-axis. This drop is labeled "FLUID LEVEL" with a vertical line pointing to it.

Bottom Graph:

- Y-axis Label:** GAMMA RAY
- Y-axis Unit Label:** RADIATION UNITS
- Scale:** A horizontal line segment with the number 5 below it, indicating the scale of the y-axis.
- Data:** The graph shows a line with several peaks and valleys. There is a significant upward trend starting around the 150 mark on the x-axis, reaching a peak near the 200 mark.

*

13-18-37

Reproduced By
West Texas Electrical Log Service
1305 Commerce Street
Dallas 1, Texas

COMPLETED
REFERENCE N° A 918 -C

LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well		COMPANY: <u>CONTINENTAL OIL CO.</u>		FILE NO.	
WELL: <u>STATE 2-15 NO. 2</u>		WELL: <u>STATE 2-15 NO. 2</u>		WELL: <u>STATE 2-15 NO. 2</u>	
FIELD: <u>HOBBS</u>		FIELD: <u>HOBBS</u>		FIELD: <u>HOBBS</u>	
COUNTY: <u>DEA</u>		COUNTY: <u>DEA</u>		COUNTY: <u>DEA</u>	
LOCATION: <u>660' F-51</u>		LOCATION: <u>660' F-51</u>		LOCATION: <u>660' F-51</u>	
SPEC. <u>13-183-37E</u>		SPEC. <u>13-183-37E</u>		SPEC. <u>13-183-37E</u>	
LOG MEAS. FROM <u>TOP OF ROTARY TABLE</u>		ELEV. <u>3663.5'</u>			
DRLG. MEAS. FROM <u>TOP OF ROTARY TABLE</u>		ELEV. <u>3663.5'</u>			
PERM. DATUM <u>7" BRASS HEAD</u>		ELEV. <u>0</u>			
TYPE OF LOG		D/H		N/L	
RUN NO.		1		1	
DATE		4-20-60		4-20-60	
TOTAL DEPTH (DRILLER) <u>STRAIN</u>		4235'		4235'	
EFFECTIVE DEPTH (DRILLER)		4235'		4235'	
TOP OF LOGGED INTERVAL		2500'		2500'	
BOTTOM OF LOGGED INTERVAL		4233'		4233'	
TYPE OF FLUID IN HOLE		MUD		MUD	
FLUID LEVEL		FULL		FULL	
MAXIMUM RECORDED TEMP.		800M		800M	
NEUTRON SOURCE STRENGTH & TYPE		S.25		S.25	
SOURCE SPACING - IN.		9		9	
LENGTH OF MEASURING DEVICE - IN.		36		36	
O.D. OF INSTRUMENT - IN.		5 5/8		5 5/8	
TIME CONSTANT - SECONDS		8		8	
LOGGING SPEED FT./MIN.		20		20	
STATISTICAL VARIATION - IN.		274		278	
SENSITIVITY REFERENCE		RUMION		RUMION	
RECORDED BY		RANDOLPH		RANDOLPH	
WITNESSED BY		RANDOLPH		RANDOLPH	
CASING RECORD				OPEN (BORE) HOLE RECORD	
RUN NO.	SIZE-IN.	WT.-LB.	INTERVAL	BIT SIZE-IN.	INTERVAL
1	7		SURFACE TO 4000'	8 3/4	SURF. TO 4000'
			TO	8 1/4	4000' TO T.D.
			TO		TO
			TO		TO

WELL LOG

PERFORATION LOG

COMPANY CONTINENTAL OIL CO. WELL STATE 9-13 WELL NO. 14 COUNTY LEA STATE TEX. LOCATION SEC. 13-18S-37E	COMPANY CONTINENTAL OIL CO. Location of Well WELL STATE 9-13 WELL NO. 14 1980' FR. N/L FIELD HOBBS 1980' FR. W/L LOCATION SEC. 13-18S-37E COUNTY LEA STATE TEX. Filing No. LOG MEASURED FROM 10' ABOVE D.H.P. ELEV. 3688' DATA MEASURED FROM 10' ABOVE D.H.P. ELEV. 3688' PERM DATUM D.H.P. ELEV. 3678'
---	--

TYPE OF LOG	GAMMA RAY (RA)	NEUTRON
SUN NO.	1/27/57	3/28/57
DATE	4132'	4155'
FIRST READING	0000'	4132'
LAST READING	4132'	23'
FOOTAGE LOGGED	4133'	4156'
MAX DEPTH REACHED	4160'	4159'
BOTTOM PRESS.	WATER	WATER
FLUID NATURE	FULL	FULL
FLUID LEVEL	N.A.	N.A.
MAX TEMP.	2 1/2"	
CGO SIZE	14#	
CGO WEIGHT	N.A.	
OPEN HOLE DIA.	100	200
SENS FOR	3	2
TIME CONSTANT	1200' & 2000'/HR.	
LOGGING SPEED		
LOG TIME	5 HOURS	1/2 HOUR
LOCATION	HOBBS	
TRUCK NO.	106 - G12	
DRIVER'S ST.	HOBBS	
WITNESSED BY	MR. M. G. FRANKS	

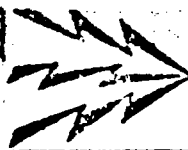
Remarks THIS LOG RECORDED WITH 18" GEIGER COUNTER (GAMMA RAY CHANNEL) 10" GEIGER COUNTER (NEUTRON CHANNEL) USING A 500 MILLIGRAM RADIUM-BERYLLIUM SOURCE WITH A 14" SOURCE - DETECTOR SPACING YIELDING NEUTRON-GAMMA TYPE DETECTION.

THIS WELL PERFORATED WITH 216 4" JETS, 4 SHOTS PER FT. AT DEPTHS INDICATED.

Reproduced By
West Texas Electrical Log Service

		BOREHOLE COMPENSATED WELL LOG			
COUNTY <u>LEA</u> FIELD or LOCATION <u>HOBBS (233-26)</u> WELL <u>BOWERS "A"</u> COMPANY <u>FEDERAL OIL</u>	COMPANY <u>EXXON</u> WELL <u>BOWERS "A" FEDERAL COMM. 35</u> FIELD <u>HOBBS (GRAYBURG-SAN ANDRES)</u> COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>				
LOCATION <u>990' FNL & 330' FML</u>			Other Services: <u>DLL, ML</u>		
Sec. <u>29</u> Twp. <u>18-S</u> Rge. <u>38-E</u>					
Permanent Datum: <u>G.L.</u> Elev. <u>3649</u> Log Measured From <u>K.B.</u> <u>.13</u> Ft. Above Perm. Datum Drilling Measured From <u>K.B.</u>					
Date		11-23-71			
Run No.		ONE			
Depth - Driller		4330			
Depth - Logger		4329			
Blm. Log into well		4327			
Top Log Interval		3850			
Casing - Driller		5 V2@ 3905			
Casing - Logger		3905			
Bit Size		4 3/4			
Type Fluid in Hole		SALT HUD			
Dens. / Visc.		9.0 / 34			
pH / Fluid Loss		11 / 9 ml			
Source of Sample		PIT			
R. @ Meas. Temp.		15 @ 68°F			
Surf. @ Meas. Temp.		14 @ 68°F			
R. @ Meas. Temp.		14 @ 68°F			
Sources: R. at Surf.		M RTTH			
R. @ BHT		10 @ 100°F			
Time Since Circ.		4 1/2 HOURS			
Max. Rec. Temp.		100 °F			
Equip. Location		3720 HOBBS			
Recorded By		BROWN			
Witnessed By		JANICA			

The wall, some location and borehole reference data were furnished by the engineer.



PERFORATING GUNS ATLAS CORP.

SIMULTANEOUS RADIATION

NATURAL GAMMA RADIATION

INDUCED NEUTRON RADIATION

LOCATION
440' FNLCOMPANY SKELLY OIL COMPANY

330' FEL

WELL FOULER #1

SEC. 31

FIELD HOBBS

TS 18S

COUNTY LEASTATE NEW MEXICO

RA. 38E

SECTION 31TOWNSHIP 18SRANGE 38ELOG NO 83471

SURVEY

BL & M

LOG MEASURED FROM TOP OF ROTARY TABLEELEVATION 3651'DRILLING MEASURED FROM TOP OF ROTARY TABLE

ELEVATION

PERMANENT DATUM

ELEVATION

TYPE OF LOG

GAMMA RAY BRONIS NEUTRON

RUN NUMBER

ONE ONE

DATE

5-28-545-28-54Co

TOTAL DEPTH (DRILLER)

22102210St

EFFECTIVE DEPTH P. G. & C.

42084208Ad

TOP OF LOGGED INTERVAL

SURFACESURFACEBas

BOTTOM OF LOGGED INTERVAL

42084207Co

TYPE FLUID IN HOLE

CLEAR WATERFULL

FLUID LEVEL

FULLFULL

MAXIMUM RECORDED TEMP.

3 5/8"3 5/8"

O. D. OF INSTRUMENT — INCHES

3 5/8"3 5/8"

TIME CONSTANT — SECONDS

15-6015-60

LOGGING SPEED — FEET/MINUTE

15-6015-60

STATISTICAL VARIATION — INCHES

RECORDED BY

HARTHART

WITNESSED BY

GEORGE

CASING RECORD

OP

RUN NO.

SIZE, IN.

WEIGHT, LB.

INTERVAL

BIT SIZE, IN.

ONE
ONE
ONE3 5/8"
3 5/8"
3 5/8"2750
2750
2750SURFACE
SURFACE
SURFACETO
TO
TO6 1/4"
6 1/4"
6 1/4"

REMARKS AND OTHER DATA

Return To WESTERN F. & P. FILES LOG SECTION

REFERENCE NO A 3682 -B

LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well D. J. LANE 6678	COMPANY: SHAW-ONE-O-SEPT. CO.	FIELD: BOYD	COUNTY: LAN	STATE: N. MEX.	LOG NO. 1810	WELL NO. 6	DATE 2-17-55																												
	WELL: STATE NO. 6																																		
LOCATION: 2320' 70' & W LINE OF SECTION 25, T-38-S, R-37-E		LOG MEAS. FROM TOP ROTARY TABLE ELEV. ...																																	
LOG MEAS. FROM TOP ROTARY TABLE ELEV. ...		PERM. DATUM T. R. T. IS 10' ABOVE S 1/2" ELEV. ...																																	
TYPE OF LOG GAMMA RAY		DATE 2-17-55		EFFECTIVE DEPTH (DRILLER) 1853		TOP OF LOGGED INTERVAL 1852																													
EFFECTIVE DEPTH (DRILLER) 1853		TOP OF LOGGED INTERVAL 1852		BOTTOM OF LOGGED INTERVAL 1810		TYPE OF FLUID IN HOLE WATER																													
FLUID LEVEL FULL		MAXIMUM RECORDED TEMP. 6000		NEUTRON SOURCE STRENGTH & TYPE 275		SOURCE SPACING - IN. 3 5/8"																													
LENGTH OF MEASURING DEVICE - IN. 3 5/8"		O.D. OF INSTRUMENT - IN. 3 5/8"		TIME CONSTANT - SECONDS 20-40		LOGGING SPEED FT./MIN. 20-40																													
STATISTICAL VARIATION - IN. 275		SENSITIVITY REFERENCE 275		RECORDED BY DAWSON & SCHLOTTERBACK		WITNESSED BY MASON																													
<table border="1"> <thead> <tr> <th colspan="4">CASING RECORD</th> </tr> <tr> <th>RUN NO.</th> <th>BIT SIZE</th> <th>CASING WT.-LB.</th> <th>FROM WELL RECORD</th> </tr> </thead> <tbody> <tr> <td>ONE</td> <td>11"</td> <td>8 5/8"</td> <td>SURFACE TO 1810</td> </tr> <tr> <td>ONE</td> <td>7 7/8"</td> <td>5 1/2"</td> <td>SURFACE TO 1852</td> </tr> <tr> <td></td> <td></td> <td></td> <td>TO</td> </tr> <tr> <td></td> <td></td> <td></td> <td>TO</td> </tr> <tr> <td></td> <td></td> <td></td> <td>TO</td> </tr> </tbody> </table>								CASING RECORD				RUN NO.	BIT SIZE	CASING WT.-LB.	FROM WELL RECORD	ONE	11"	8 5/8"	SURFACE TO 1810	ONE	7 7/8"	5 1/2"	SURFACE TO 1852				TO				TO				TO
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REMARKS OR OTHER DATA

REFERENCE N° A 2751 -B

ANNOUNCED

Sec. 29, T-16-S, R-38-E

SHELL OIL COMPANY
Exploration Dept.-Roswell

carb

PERFORATING GUNS ATLAS CORPORATION

Simultaneous

Radiation Log

LOG NO. 17484	COMPANY SHELL OIL & REFINING COMPANY
LOCATION MOBILE	CRIMEA
DATE NOV 26	EXXON
WELL NO. GR-24	LEA, NEW MEXICO
WELL NAME	WELL NO. 1
WELL TYPE	WELL NO. 2
WELL DEPTH	WELL NO. 3
WELL DIRECTION	WELL NO. 4
WELL DIRECTION	WELL NO. 5
WELL DIRECTION	WELL NO. 6
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