

ATLANTIC RICHFIELD COMPANY

Proposed
East Blinebry Unit - East Drinkard Unit
Lea County, New Mexico

EXHIBITS 5 - 42



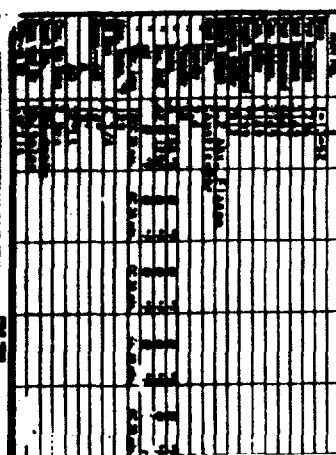
OIL & GAS BEFORE THE
OIL CONSERVATION COMMISSION
6069 Santa Fe, New Mexico
6000
6070
Case No. 5998 Exhibit No. B.
Submitted by Atl-Richfield
Hearing Date Oct 20 1977

B

AtlanticRichfieldCompany
North American Producing Division
Engineering Department
Permian District
Midland, Texas

EXHIBITS

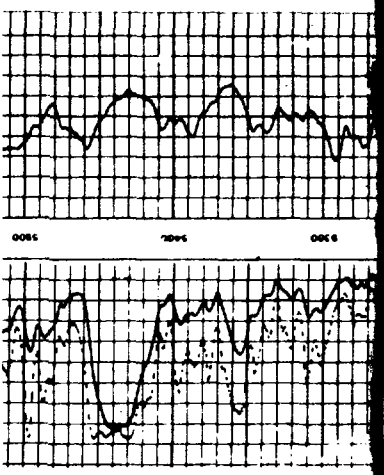
EXHIBIT NOS. 5 - 42 Electric Logs of Injection Wells

[illegible]

THIS IS NOT A COMPANY'S REPRESENTATION OF THE COMPANY. THIS IS ONLY INFORMATION FOR THE COMPANY. THIS IS ONLY INFORMATION FOR THE COMPANY.

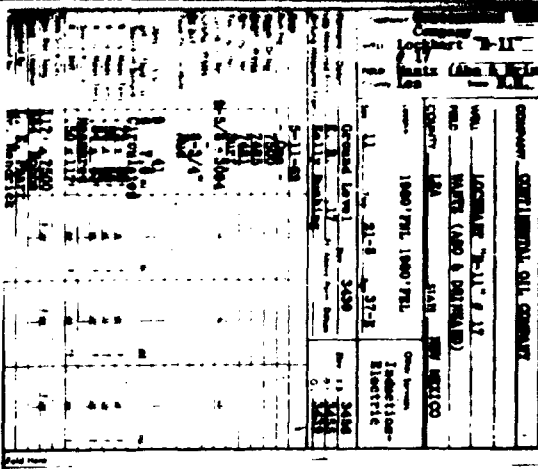
SPORTSMEN'S POTENTIAL

RESISTIVITY



WELEX

ACOUSTIC VELOCITY LOG

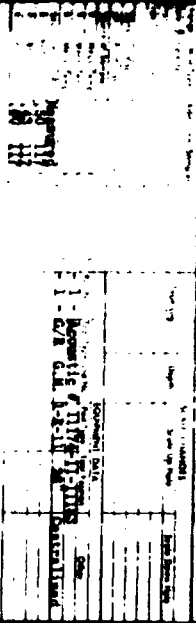


Designed by
Wm. Davis Chemical Log Service
Dallas, Texas

REFERENCE: NISTREL



Scale: 1000 ft/sec



ORIGINAL MEASUREMENTS

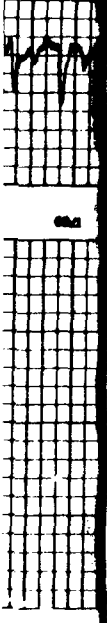
TRAVEL TIME

DEPTH

MEASUREMENT NO. 17

DATE

TIME



THE WESTERN COMPANY
GAMMATRON

LOCATION

COMPANY: STANDARD OIL CO.

WELL: STANLEY 2-11 A.H.

FIELD: INDIANA

COUNTY: IND.

LOCATION: N 30° E 1/4-36° E 1/4 SEC. 32

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

DATE NO. 21-37

ITEM NO.	ITEM	UNIT	VALUE	UNIT	VALUE
1	DEPTH OF LOG	FEET	21.37		
2	DEPTH OF LOG	FEET	21.37		
3	DEPTH OF LOG	FEET	21.37		
4	DEPTH OF LOG	FEET	21.37		
5	DEPTH OF LOG	FEET	21.37		
6	DEPTH OF LOG	FEET	21.37		
7	DEPTH OF LOG	FEET	21.37		
8	DEPTH OF LOG	FEET	21.37		
9	DEPTH OF LOG	FEET	21.37		
10	DEPTH OF LOG	FEET	21.37		
11	DEPTH OF LOG	FEET	21.37		
12	DEPTH OF LOG	FEET	21.37		
13	DEPTH OF LOG	FEET	21.37		
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15	DEPTH OF LOG	FEET	21.37		
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92	DEPTH OF LOG	FEET	21.37		
93	DEPTH OF LOG	FEET	21.37		
94	DEPTH OF LOG	FEET	21.37		
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97	DEPTH OF LOG	FEET	21.37		
98	DEPTH OF LOG	FEET	21.37		
99	DEPTH OF LOG	FEET	21.37		
100	DEPTH OF LOG	FEET	21.37		

GAMMA RAY

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GAMMA RAY INTENSITY DECREASE

NEUTRON

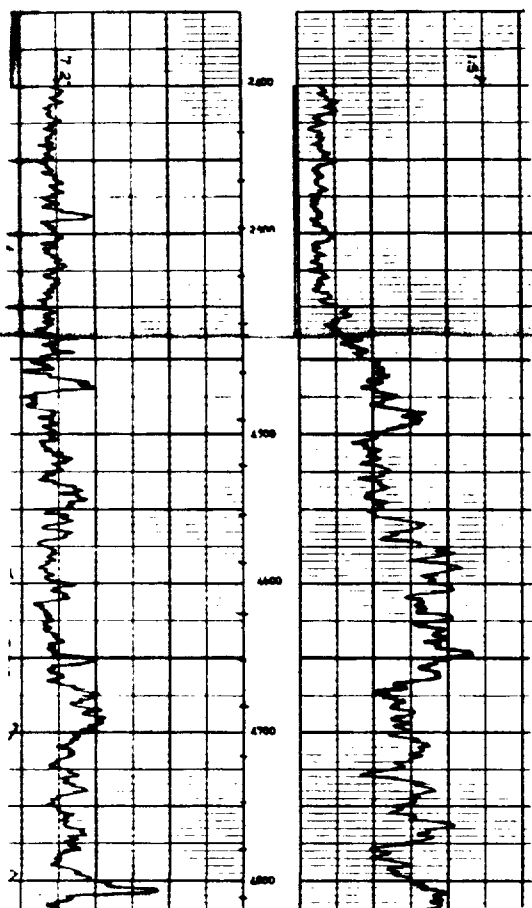
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NEUTRON INTENSITY DECREASE

LOG

—————→

LOG INTENSITY DECREASE



LANE RADIOACTIVITY LOGS WELLS COMPANY

Description of Well	COMPANY: LANE RADIOACTIVITY WELLS COMPANY	WELL NO. 1 COUNTY LAN STATE KANSAS LOCATION 2000' 200' 200' 200' SEC. 20 - T. 20 S. - R. 20 E.
	WELL: 2000' 200' 200' 200'	
	FIELD: 2000' 200' 200' 200'	
	COUNTY: LAN STATE: KANSAS	
	LOCATION: 2000' 200' 200' 200'	

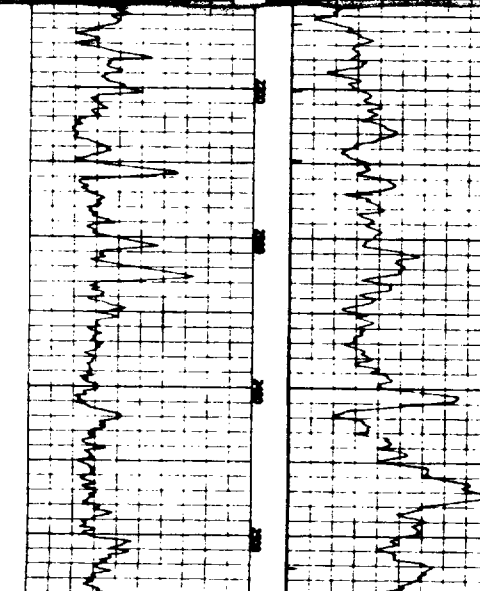
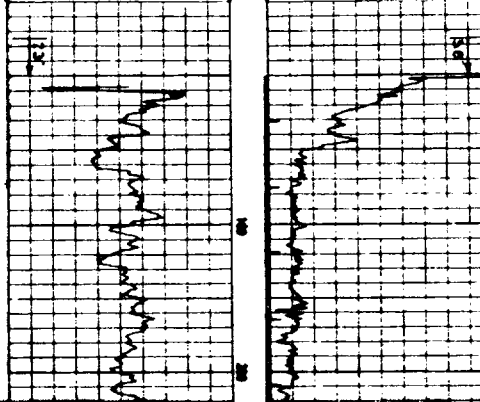
LOG HEAD FROM 2000' 200' 200' 200'	SURV. 2000'
LOG HEAD FROM 2000' 200' 200' 200'	SURV. 2000'
FINAL DATUM 0.5/10' 2000' 200'	SURV. 2000'

TYPE OF LOG	DATE	TIME	WELL NO.	WELL NAME
SUN NO.	1-1-50	1-1-50	1	2000' 200' 200' 200'
TOTAL DEPTH (FEET) 2000'				
SPECIFIC DEPTH (FEET) 2000'				
TOP OF LOGGED INTERVAL 0				
BOTTOM OF LOGGED INTERVAL 2000'				
TYPE OF FLUID IN HOLE WATER				
FLUID LEVEL				
MAXIMUM RECORDED TEMP.				
NEUTRON SOURCE STRENGTH & TYPE				
SOURCE (PACIS) - IN				
LENGTH OF MEASURING DEVICE - IN				
O.S. OF INSTRUMENT - IN				
TIME CONSTANT - SECONDS				
LOGGING SPEED FT. MIN.				
STATISTICAL VARIATION - IN				
SENSITIVITY RESPONSE				
RECORDED BY				

Casing Record		Interval	
Run No.	WT. - LB.	FROM WELL RECORD	TO LOG
1	11 3/4	2000'	TO 2000'
1	1 1/2	2000'	TO 2000'
1	1 1/2	2000'	TO 2000'

REMARKS OR OTHER DATA

GAMMA RAY	NEUTRON
→	→
RADIATION INTENSITY INCREASES	RADIATION INTENSITY INCREASES



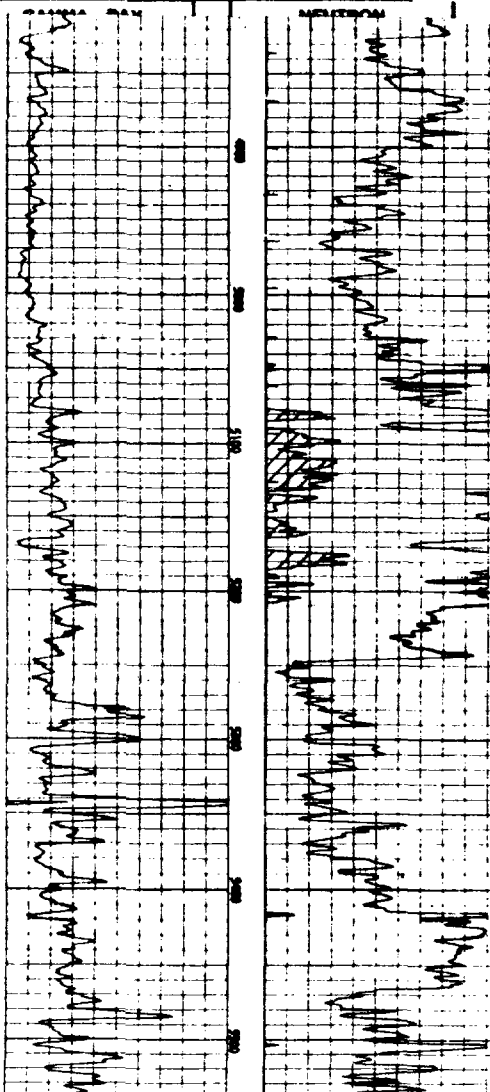
LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well	COMPANY: CHESTER OIL COMPANY WELL: A. B. JENSEN 2-11 W. 11 FIELD: WEST ALABAMA COUNTY: LA. STATE: MISS. LOCATION: 2800' W. 11 A 11P 11E 11 SEC. 11, T. 28N-4, R. 11E-1	COMPANY: CHESTER OIL COMPANY WELL: A. B. JENSEN 2-11 W. 11 FIELD: WEST ALABAMA COUNTY: LA. STATE: MISS. LOCATION: 2800' W. 11 A 11P 11E 11 SEC. 11, T. 28N-4, R. 11E-1
LOG HEAD FROM	DEPT. 1111111111	LOG. 1111
DEPT. HEAD FROM	DEPT. 1111111111	LOG. 1111
DEPT. 1111111111	DEPT. 1111111111	LOG. 1111

TYPE OF LOG	LOG. 1111	LOG. 1111
LOG. NO.	LOG. 1111	LOG. 1111
DATE	LOG. 1111	LOG. 1111
TOTAL DEPTH (FEET) DEPTH	LOG. 1111	LOG. 1111
SPECTRA DEPTH (FEET)	LOG. 1111	LOG. 1111
TOP OF LOGGING INTERVAL	LOG. 1111	LOG. 1111
BOTTOM OF LOGGING INTERVAL	LOG. 1111	LOG. 1111
TYPE OF FLUID IN WELL	LOG. 1111	LOG. 1111
FLUID LEVEL	LOG. 1111	LOG. 1111
BARRELS RECORDED TIME	LOG. 1111	LOG. 1111
NEUTRON SOURCE STRENGTH & TYPE	LOG. 1111	LOG. 1111
SOURCE SPACING - IN.	LOG. 1111	LOG. 1111
LENGTH OF MEASURING DEVICE - IN.	LOG. 1111	LOG. 1111
O.S. OF INSTRUMENT - IN.	LOG. 1111	LOG. 1111
THIS CONSTANT - INCHES	LOG. 1111	LOG. 1111
LOGGING SPEED FT. MIN.	LOG. 1111	LOG. 1111
STATISTICAL VARIATION - IN.	LOG. 1111	LOG. 1111
IDENTITY REFERENCE	LOG. 1111	LOG. 1111
RECORDED BY	LOG. 1111	LOG. 1111
WITNESSED BY	LOG. 1111	LOG. 1111

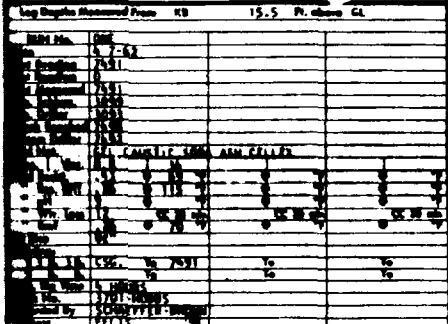
LOG. NO.	LOG. 1111	LOG. 1111
LOG. 1111	LOG. 1111	LOG. 1111
LOG. 1111	LOG. 1111	LOG. 1111
LOG. 1111	LOG. 1111	LOG. 1111

REMARKS OR OTHER DATA



STANDARD

COMPANY CONTINENTAL AIR COMPANY 1111 N. 1st St. ARLING, TEXAS	COMPANY CONTINENTAL AIR COMPANY	Other Service 111. 111
	W/L 1111 - 1	Location of 1111 1111' FROM 1111 1111' FROM 1111
	PROD 11111111111111111111	
	LOCATION SEC. 11 111. 111	
	COUNTY 1111	Division 1111-1111 1111-1111
STATE NEW MEXICO		

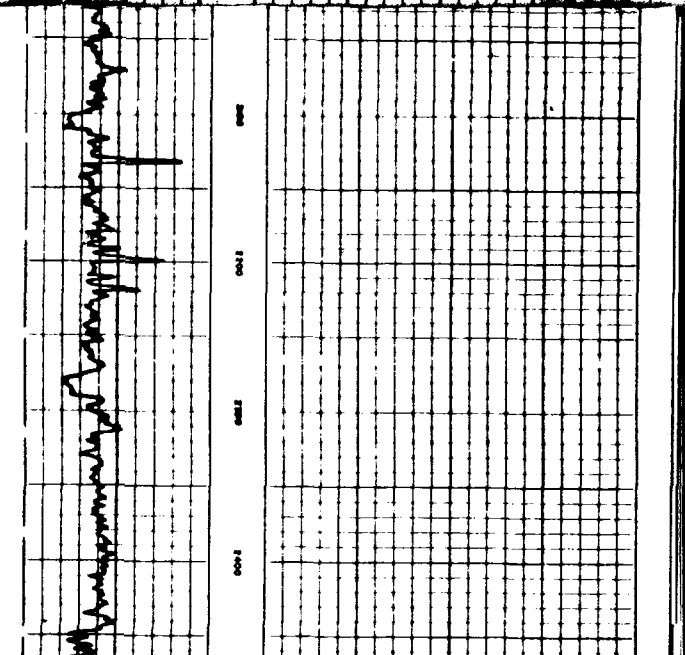
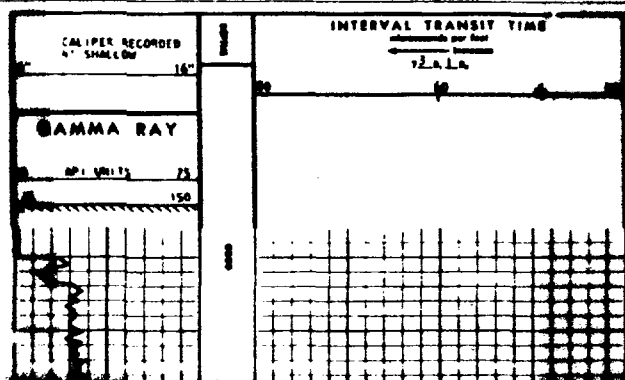


Recorded By
West Texas Electrical Log Service
 Dallas 8, Texas

REFERENCE N1878K



VEL. No. 111 VEL. No. 111 VEL. No. 111	11111111111111111111 11111111111111111111 11111111111111111111
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LANE RADIOACTIVITY LOG WELLS COMPANY

Location of Well: COMPANY: LANE RADIOACTIVITY LOG WELLS COMPANY
 WELL: WELL 1-11 17, 18
 FIELD: 111
 COUNTY: 111 STATE: 111
 LOCATION: 111° 11' 11" N. & 111° 11' 11" W.
111 - 111

LOG HEAD FROM: 1111111111111111 DAY: 1111
 DATA HEAD FROM: 1111111111111111 DAY: 1111
 FINAL DATA 1" 1111111111111111 DAY: 1111

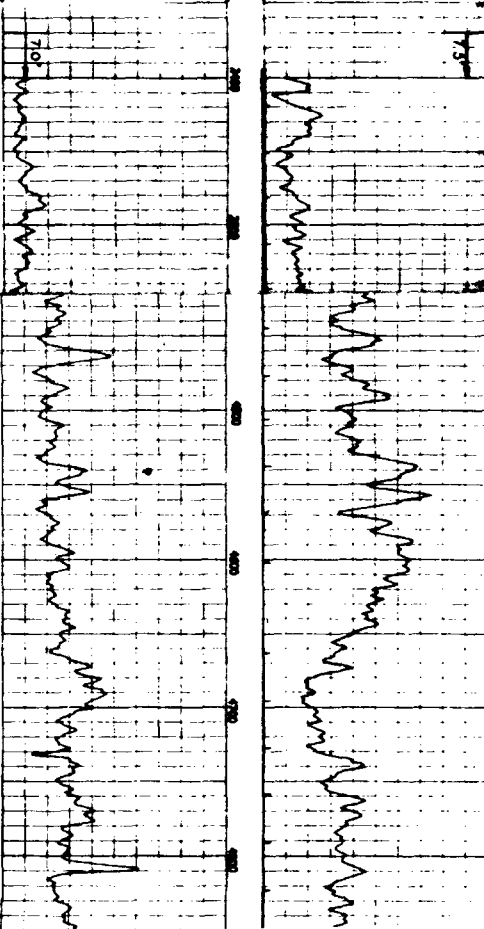
TYPE OF LOG	1111111111111111	1111111111111111	1111111111111111
RUN NO.	1111111111111111	1111111111111111	1111111111111111
DATE	1111111111111111	1111111111111111	1111111111111111
TOTAL DEPTH (FEET) (1111111111111111)	1111111111111111	1111111111111111	1111111111111111
SPECIFIC DEPTH (FEET)	1111111111111111	1111111111111111	1111111111111111
TOP OF LOGGED INTERVAL	1111111111111111	1111111111111111	1111111111111111
BOTTOM OF LOGGED INTERVAL	1111111111111111	1111111111111111	1111111111111111
TYPE OF FLUID IN WELL	1111111111111111	1111111111111111	1111111111111111
FLUID LEVEL	1111111111111111	1111111111111111	1111111111111111
MEASUREMENT RECORDING TIME	1111111111111111	1111111111111111	1111111111111111
MEASUREMENT SOURCE (1111111111111111)	1111111111111111	1111111111111111	1111111111111111
LENGTH OF MEASUREMENT SOURCE - IN	1111111111111111	1111111111111111	1111111111111111
O.A. OF INSTRUMENT - IN	1111111111111111	1111111111111111	1111111111111111
TIME CONSTANT - SECONDS	1111111111111111	1111111111111111	1111111111111111
LOGGING SPEED (FEET/HR)	1111111111111111	1111111111111111	1111111111111111
STATISTICAL VARIATION - IN	1111111111111111	1111111111111111	1111111111111111
MEASUREMENT REFERENCE	1111111111111111	1111111111111111	1111111111111111
RECORDED BY	1111111111111111	1111111111111111	1111111111111111
INTERVIEW BY	1111111111111111	1111111111111111	1111111111111111

CASING RECORD

REEL NO.	DEPTH	CASING	WT.-LB.	FROM WELL RECORD	FROM R/A LOG
1	1111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111
2	1111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111
3	1111111111111111	1111111111111111	1111111111111111	1111111111111111	1111111111111111

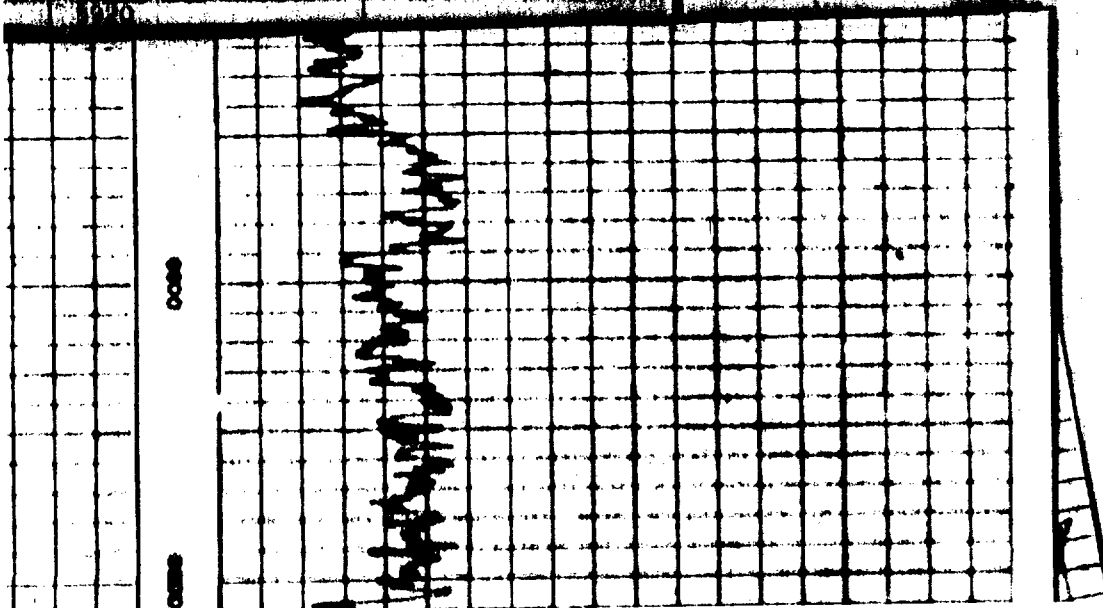
REMARKS OR OTHER DATA

GAMMA RAY	NEUTRON
→ RADIATION INTENSITY INCREASES	→ RADIATION INTENSITY INCREASES



FILE NO. 14 1172 R

FRANK WELLS SURVEYING CORPORATION	
COMPANY SHELL OIL COMPANY	Location of Well
WELL CHESHER #2	660' F S&W/L SEC. 12-21S-37E
WELD TERRY BLINERY	QPN
LOCATION SEC. 12-21S-37E	Elevation: D.P. 3448 K.A. 3443 or G.A. 3432
COUNTY LEA	PLIND No.
STATE NEW MEXICO	
12-21-37	
RD 11' ANV. Q	
5922	
50	
6672	
5932	
1920	



PERFORATING GUN ATLAS CORP.
SIMULTANEOUS RADIATION LOG
OPTIONAL RADIATION MEASUREMENTS

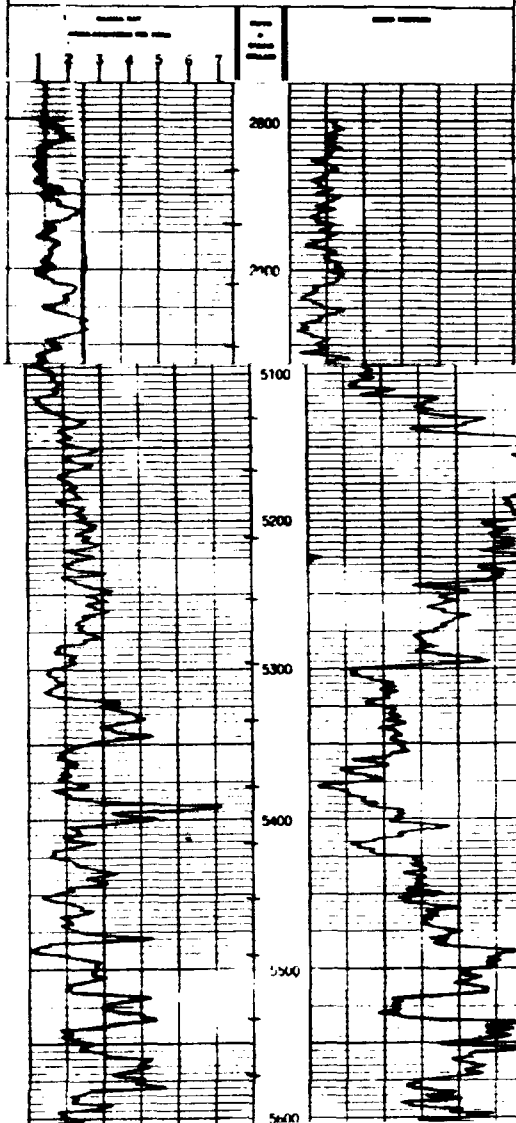
WESTERN OIL FIELDS INCORPORATED
WELL # 2
WATZ AND
NEW MEXICO

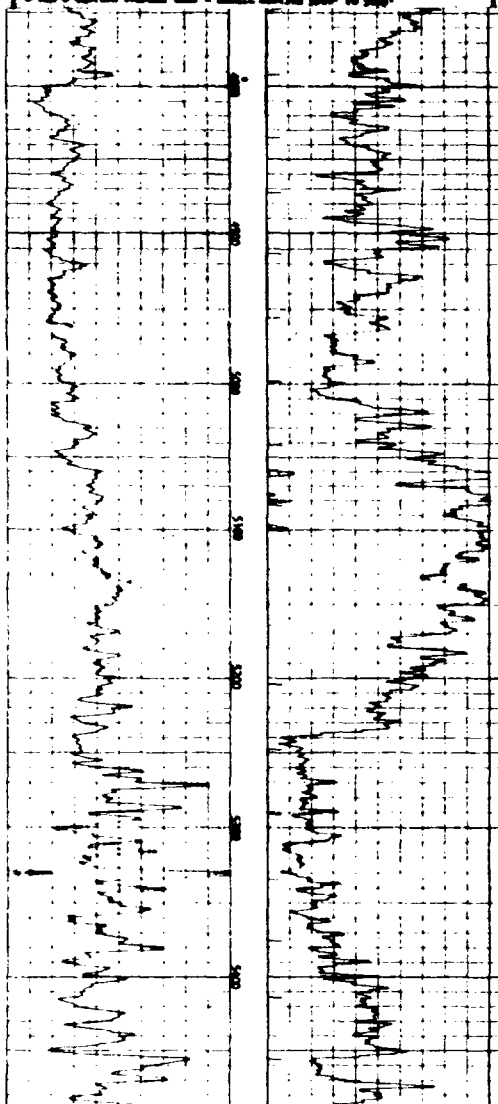
12.0' ABOVE GROUND LEVEL
SAFE

TIME	15:00	15:05
DATE	12-21-57	12-21-57
TIME	15:00	15:05
DATE	12-21-57	12-21-57

WELL DATA
WELL # 2
WATZ AND
NEW MEXICO

WELL DATA
WELL # 2
WATZ AND
NEW MEXICO



[illegible]

SCHEIDT & BOND WELL SERVING CORPORATION

GAMMA RAY - NEUTRON

COMPANY SHELL OIL CO.

Location of Well

WELL ADDRESS # 2

1000' F. M.

500' F. M.

Sec. 14-215

FIELD BLINKARD

LOCATION SEC. 14-215-37E

Revisions D.F. 34.88

COUNTRY LEA

S.A. or G.A.

STATE NEW MEXICO

PLIND No.

12-22-50

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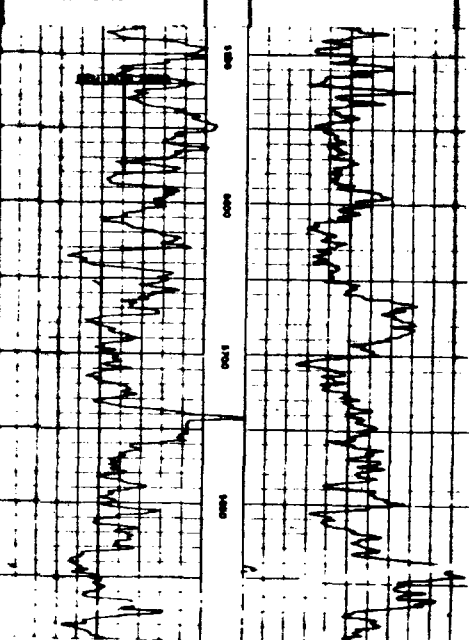
12-22-50

12-22-50

GAMMA RAY

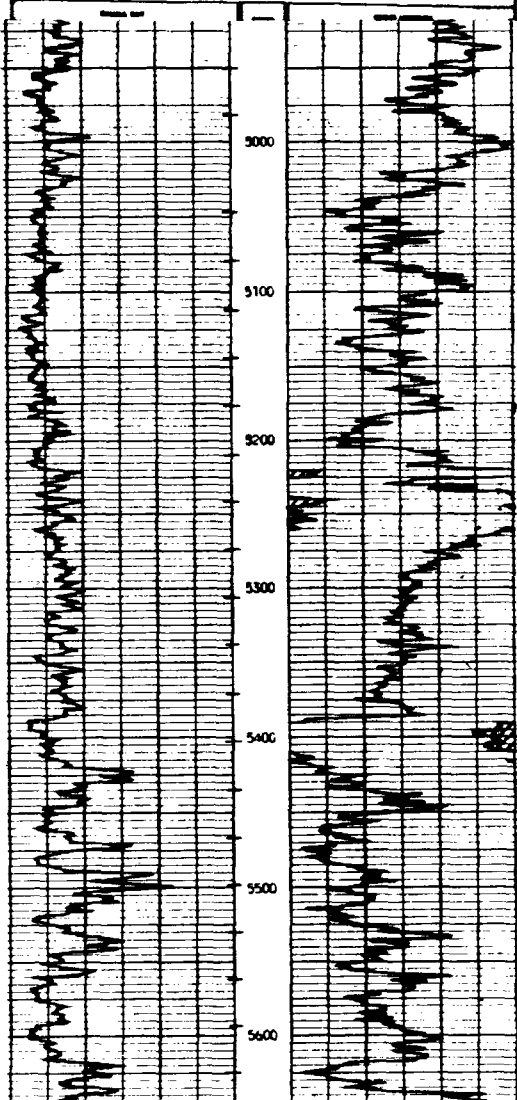
NEUTRON

Radioactivity
increases

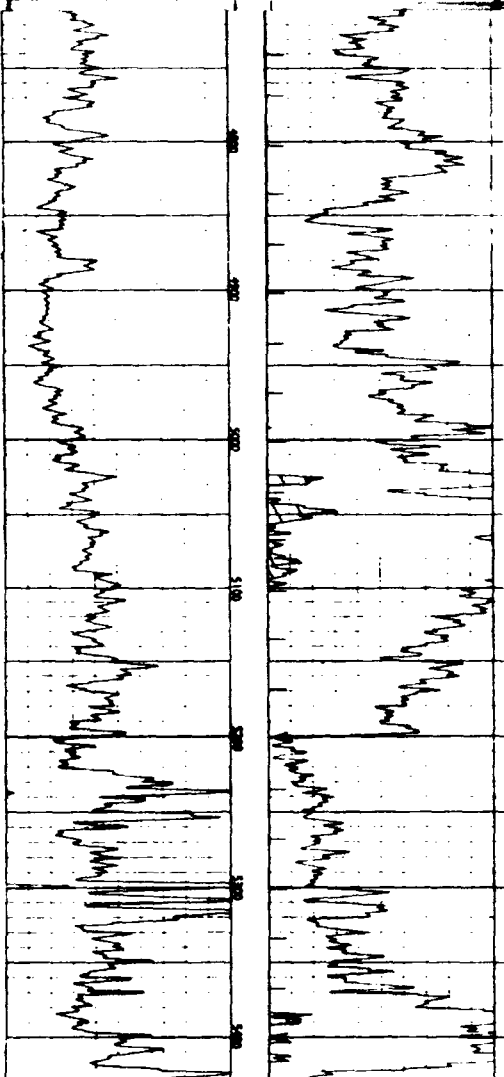


PERFORMING ORGANIZATION REPORT
CONTINUOUS RADIATION LOG

1. NAME OF VESSEL: CONTINENTAL OIL COMPANY
 2. NAME OF CAPTAIN: LIEUTENANT H. H. A. HILL, JR.
 3. NAME OF COMMANDER: TERRELL H. LINDSEY
 4. NAME OF OFFICER IN CHARGE: USA
 5. NAME OF OFFICER IN CHARGE: USA
 6. NAME OF OFFICER IN CHARGE: USA
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 89. NAME OF OFFICER IN CHARGE: USA
 90. NAME OF OFFICER IN CHARGE: USA
 91. NAME OF OFFICER IN CHARGE: USA
 92. NAME OF OFFICER IN CHARGE: USA
 93. NAME OF OFFICER IN CHARGE: USA
 94. NAME OF OFFICER IN CHARGE: USA
 95. NAME OF OFFICER IN CHARGE: USA
 96. NAME OF OFFICER IN CHARGE: USA
 97. NAME OF OFFICER IN CHARGE: USA
 98. NAME OF OFFICER IN CHARGE: USA
 99. NAME OF OFFICER IN CHARGE: USA
 100. NAME OF OFFICER IN CHARGE: USA



RADIOACTIVITY LOG			
WELEX JET SERVICES, INC.			
LICENSED BY WELL SURVEYS, INC.		FILE NO.	
Location of Well COMPANY: CONTINENTAL OIL COMPANY WELL: A. M. LOCKHART 5-12 T-10, B FIELD: TRUST RESERVE COUNTY: LJA STATE: NEBRASKA LOCATION: 1800' FSL / 330' F.L. OF SEC. 1A T-22-S-9-37-11			
LOG MEAS FROM 1" A-BOX TOTAL TAIL ORIG MEAS FROM KELLY BUSHING FROM DATUM 7 5/8" BRASS HEAD			
TYPE OF LOG RUN NO. - 1 - DATE 9/8/56 JOB NO. 271-1008 TOTAL DEPTH (DALLIN) 5775 DEPTH DEPTH (DALLIN) 5870 TOTAL DEPTH (A LOG) 5875 TOP OF LOGGED INTERVAL 2600 BOTTOM OF LOGGED INTERVAL 5864 TYPE OF FLUID IN HOLE OIL FLUID LEVEL MAXIMUM RECORDED TEMPERATURE NEUTRON SOURCE STRENGTH & TYPE 600 B SOURCE SPACING-IN 3.25 LENGTH OF MEASURING DEVICE-IN 30 O.D. OF INSTRUMENT-IN 3 5/8 TRUE CONSTANT-SECONDS 1.5 LOGGING SPEED FT. MIN 20-40 STATISTICAL VARIATION-IN 0.6 SENSITIVITY REFERENCE 278 RECORDED BY HENARD WITNESSED BY MR. SUTER			
CASING RECORD FROM 10 3/4" 0 To 263' 1" 7 5/8" 0 To 2960' 1" 5 1/2" 0 To 5875' 1"		BORE HOLE FROM 15 7/8" 0 To 3 3/4" 0 To 3 3/4" 0 To 3 3/4"	
REMARKS OR OTHER DATA "C 200 KUTTER GUNNER USED - SENSITIVITY SPONGE LOG T. SENSITIVITY"			



MACDONALD-VOL. CHARTER

RECORD NO.

GAMMA RAY AND NEUTRON

COMPANY	CENTRAL OIL CORP.		
WELL	A. S. LUGGERS 2-11, A-1		
NO.	WELL OF THE		
COUNTRY	USA	STATE	NEW YORK
LOCATION			

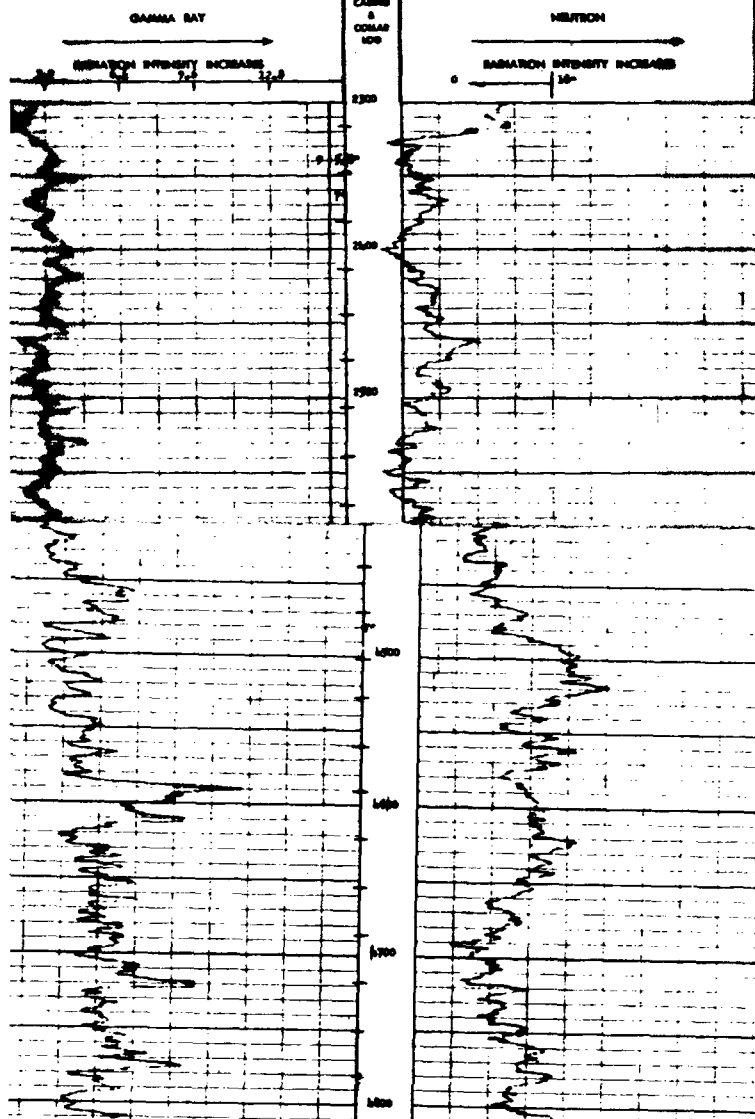
DATE	10/10/51	TIME	10:00 AM
BY	J. H. LUGGERS		
REMARKS	WELL OF THE		

DEPTH	TEMP.	TEMP. GRAD.	TEMP. COR.	TEMP. COR. GRAD.
0	50.0	1.0	0.0	0.0
10	50.0	1.0	0.0	0.0
20	50.0	1.0	0.0	0.0
30	50.0	1.0	0.0	0.0
40	50.0	1.0	0.0	0.0
50	50.0	1.0	0.0	0.0
60	50.0	1.0	0.0	0.0
70	50.0	1.0	0.0	0.0
80	50.0	1.0	0.0	0.0
90	50.0	1.0	0.0	0.0
100	50.0	1.0	0.0	0.0
110	50.0	1.0	0.0	0.0
120	50.0	1.0	0.0	0.0
130	50.0	1.0	0.0	0.0
140	50.0	1.0	0.0	0.0
150	50.0	1.0	0.0	0.0
160	50.0	1.0	0.0	0.0
170	50.0	1.0	0.0	0.0
180	50.0	1.0	0.0	0.0
190	50.0	1.0	0.0	0.0
200	50.0	1.0	0.0	0.0
210	50.0	1.0	0.0	0.0
220	50.0	1.0	0.0	0.0
230	50.0	1.0	0.0	0.0
240	50.0	1.0	0.0	0.0
250	50.0	1.0	0.0	0.0
260	50.0	1.0	0.0	0.0
270	50.0	1.0	0.0	0.0
280	50.0	1.0	0.0	0.0
290	50.0	1.0	0.0	0.0
300	50.0	1.0	0.0	0.0
310	50.0	1.0	0.0	0.0
320	50.0	1.0	0.0	0.0
330	50.0	1.0	0.0	0.0
340	50.0	1.0	0.0	0.0
350	50.0	1.0	0.0	0.0
360	50.0	1.0	0.0	0.0
370	50.0	1.0	0.0	0.0
380	50.0	1.0	0.0	0.0
390	50.0	1.0	0.0	0.0
400	50.0	1.0	0.0	0.0
410	50.0	1.0	0.0	0.0
420	50.0	1.0	0.0	0.0
430	50.0	1.0	0.0	0.0
440	50.0	1.0	0.0	0.0
450	50.0	1.0	0.0	0.0
460	50.0	1.0	0.0	0.0
470	50.0	1.0	0.0	0.0
480	50.0	1.0	0.0	0.0
490	50.0	1.0	0.0	0.0
500	50.0	1.0	0.0	0.0

DEPTH	TEMP.	TEMP. GRAD.	TEMP. COR.	TEMP. COR. GRAD.
0	50.0	1.0	0.0	0.0
10	50.0	1.0	0.0	0.0
20	50.0	1.0	0.0	0.0
30	50.0	1.0	0.0	0.0
40	50.0	1.0	0.0	0.0
50	50.0	1.0	0.0	0.0
60	50.0	1.0	0.0	0.0
70	50.0	1.0	0.0	0.0
80	50.0	1.0	0.0	0.0
90	50.0	1.0	0.0	0.0
100	50.0	1.0	0.0	0.0
110	50.0	1.0	0.0	0.0
120	50.0	1.0	0.0	0.0
130	50.0	1.0	0.0	0.0
140	50.0	1.0	0.0	0.0
150	50.0	1.0	0.0	0.0
160	50.0	1.0	0.0	0.0
170	50.0	1.0	0.0	0.0
180	50.0	1.0	0.0	0.0
190	50.0	1.0	0.0	0.0
200	50.0	1.0	0.0	0.0
210	50.0	1.0	0.0	0.0
220	50.0	1.0	0.0	0.0
230	50.0	1.0	0.0	0.0
240	50.0	1.0	0.0	0.0
250	50.0	1.0	0.0	0.0
260	50.0	1.0	0.0	0.0
270	50.0	1.0	0.0	0.0
280	50.0	1.0	0.0	0.0
290	50.0	1.0	0.0	0.0
300	50.0	1.0	0.0	0.0
310	50.0	1.0	0.0	0.0
320	50.0	1.0	0.0	0.0
330	50.0	1.0	0.0	0.0
340	50.0	1.0	0.0	0.0
350	50.0	1.0	0.0	0.0
360	50.0	1.0	0.0	0.0
370	50.0	1.0	0.0	0.0
380	50.0	1.0	0.0	0.0
390	50.0	1.0	0.0	0.0
400	50.0	1.0	0.0	0.0
410	50.0	1.0	0.0	0.0
420	50.0	1.0	0.0	0.0
430	50.0	1.0	0.0	0.0
440	50.0	1.0	0.0	0.0
450	50.0	1.0	0.0	0.0
460	50.0	1.0	0.0	0.0
470	50.0	1.0	0.0	0.0
480	50.0	1.0	0.0	0.0
490	50.0	1.0	0.0	0.0
500	50.0	1.0	0.0	0.0

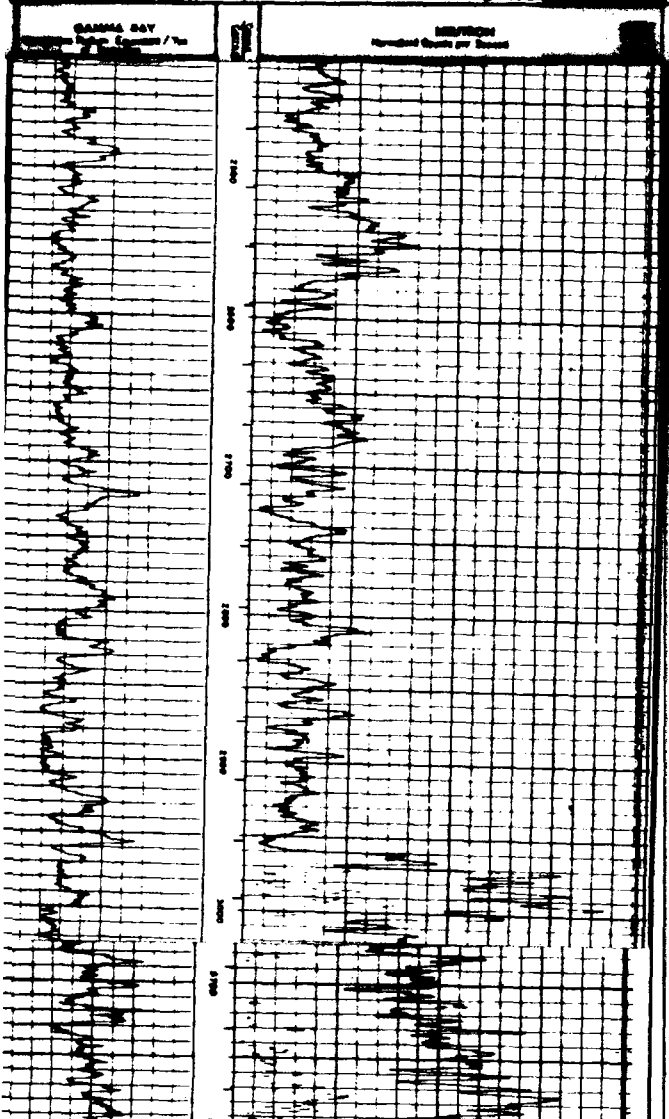
REMARKS OR OTHER DATA

FLAT DEPTH 7537.5'



STANDARD OIL COMPANY	
COMPANY: STANDARD OIL CO.	Location of Well:
WELL: NANCY STEVENS #3	660' F HL 1000' F HL Sec. 24-315-37E
PROD: TERRY BLINERY	GRN (441-11)
LOCATION: SEC. 24-315-37E	Direction: S. 34.23 E. 0.0 or S. 34.23
COUNTY: LSA	FIELD NO.
STATE: NEW MEXICO	

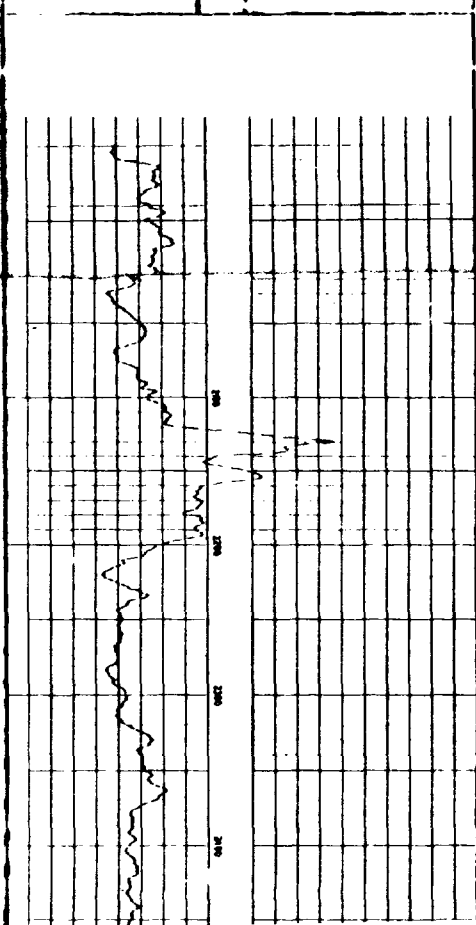
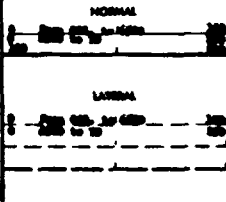
DATE: 10/1/50	TIME: 10:00 AM	WELL: NANCY STEVENS #3	PROD: TERRY BLINERY
LOCATION: SEC. 24-315-37E	COUNTY: LSA	STATE: NEW MEXICO	FIELD NO.



Location of Well 10th St. & 4th St. Box 23 510-378 Section 37.2 T.4N. R.1E. S.4E.		COMPANY, OPERATOR, ASSIGNMENT FIELD: <u>RESEARCH</u> LOCATION: <u>Box 23 510-378</u> COUNTY: <u>LA.</u> STATE: <u>MISSISSIPPI</u> PLUG NO. _____		COUNTY: <u>LA.</u> FIELD: <u>RESEARCH</u> LOCATION: <u>Box 23 510-378</u> WELL: <u>WELL 2</u> COAL: <u>COAL 1</u>
REMARKS _____ _____ _____				
Spontaneous Potential mV/m		Resistivity ohm. m/m.		

-25+

RADIOACTIVITY
INCREASES



WELEX

WELEX, SINGAPORE OIL & GAS COMPANY

WELL NO. 101 BARRON # 4

WELL NAME (AND)

COUNTRY USA

STATE NEW MEXICO

Interval 1700' FRL 1000' FRL

Other Section
60-AFL
Over-Op.1

From 22 To 23-5 To 27-5

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

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Well No.

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Well No.

Well No.

Well No.

Well No.

Well No.

Well No.

West Texas Chemical Log Series

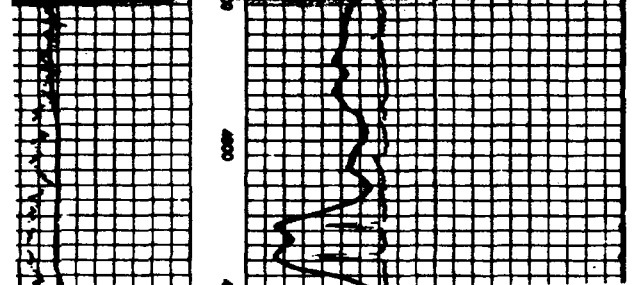
Ref. 2, 3, 4

REFERENCE W-306H



Well No.	Interval	Depth	Pressure	Temperature	Flow Rate	Gas Flow	Oil Flow	Water Flow	Other
101	1700' FRL	1700'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1600' FRL	1600'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1500' FRL	1500'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1400' FRL	1400'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1300' FRL	1300'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1200' FRL	1200'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1100' FRL	1100'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1000' FRL	1000'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	900' FRL	900'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	800' FRL	800'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	700' FRL	700'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	600' FRL	600'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	500' FRL	500'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	400' FRL	400'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	300' FRL	300'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	200' FRL	200'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	100' FRL	100'	1000'	1000'	1000'	1000'	1000'	1000'	1000'

Well No.	Interval	Depth	Pressure	Temperature	Flow Rate	Gas Flow	Oil Flow	Water Flow	Other
101	1700' FRL	1700'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1600' FRL	1600'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1500' FRL	1500'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1400' FRL	1400'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1300' FRL	1300'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1200' FRL	1200'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1100' FRL	1100'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	1000' FRL	1000'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	900' FRL	900'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	800' FRL	800'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	700' FRL	700'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	600' FRL	600'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	500' FRL	500'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	400' FRL	400'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	300' FRL	300'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	200' FRL	200'	1000'	1000'	1000'	1000'	1000'	1000'	1000'
101	100' FRL	100'	1000'	1000'	1000'	1000'	1000'	1000'	1000'





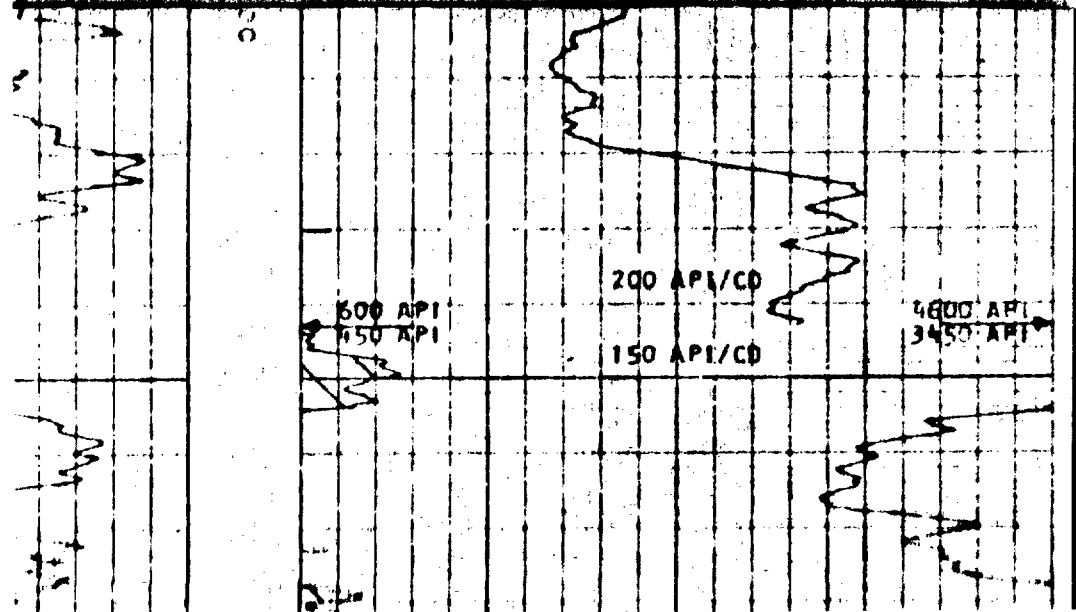
Gamma Ray Neutron

COMPANY: SOUTHERN COMPANY
WELL: GARRETT NO. 2
FIELD: BIRNKARD
COUNTY: LIA STATE: NEW MEXICO
LOCATION: 1900' & 1900' FM
SEA: 2'3" TWT: 21" DEPTH: 37'

and Eastern
measured from
Reference Point
C. H. I.
D. I.
D. F.
Page: 3397
13
At. Above Permanent Datum: 1410
Telephone: 1410

1-4-74
DNE
S/R-N/EN
6610
6600
6600
6600
WATER
BULL
2 HOURS
PARCINMAN
MR. JONES

Size	Wgt	Form	Grain
5/8"	15	SURT	3909
1 1/2"	15	SURF.	6460



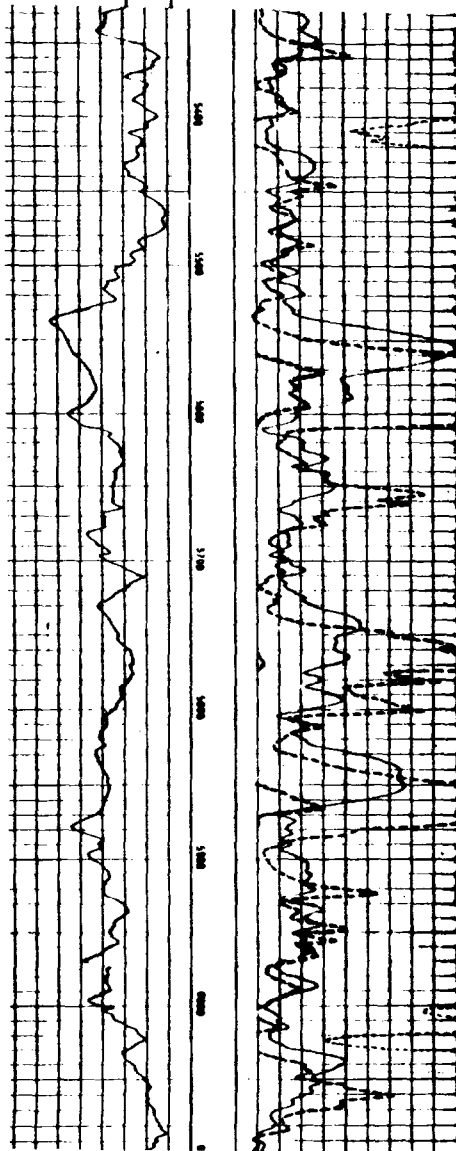
Location of Well No. 20-210-070 P.O. Box	Company, BUREAU OF MINES, INC.
Well Name No. 20-210-070	Well Name No. 20-210-070
Location No. 20-210-070	Location No. 20-210-070
County No. 20-210-070	County No. 20-210-070
State No. 20-210-070	State No. 20-210-070
Field No.	Field No.

Time	Depth	Temperature	Pressure	Current	Remarks
10:00	0.0	20.0	100.0	0.0	
10:05	0.5	20.0	100.0	0.0	
10:10	1.0	20.0	100.0	0.0	
10:15	1.5	20.0	100.0	0.0	
10:20	2.0	20.0	100.0	0.0	
10:25	2.5	20.0	100.0	0.0	
10:30	3.0	20.0	100.0	0.0	
10:35	3.5	20.0	100.0	0.0	
10:40	4.0	20.0	100.0	0.0	
10:45	4.5	20.0	100.0	0.0	
10:50	5.0	20.0	100.0	0.0	
10:55	5.5	20.0	100.0	0.0	
11:00	6.0	20.0	100.0	0.0	
11:05	6.5	20.0	100.0	0.0	
11:10	7.0	20.0	100.0	0.0	
11:15	7.5	20.0	100.0	0.0	
11:20	8.0	20.0	100.0	0.0	
11:25	8.5	20.0	100.0	0.0	
11:30	9.0	20.0	100.0	0.0	
11:35	9.5	20.0	100.0	0.0	
11:40	10.0	20.0	100.0	0.0	
11:45	10.5	20.0	100.0	0.0	
11:50	11.0	20.0	100.0	0.0	
11:55	11.5	20.0	100.0	0.0	
12:00	12.0	20.0	100.0	0.0	

REMARKS	
SELF-POTENTIAL	RESISTIVITY

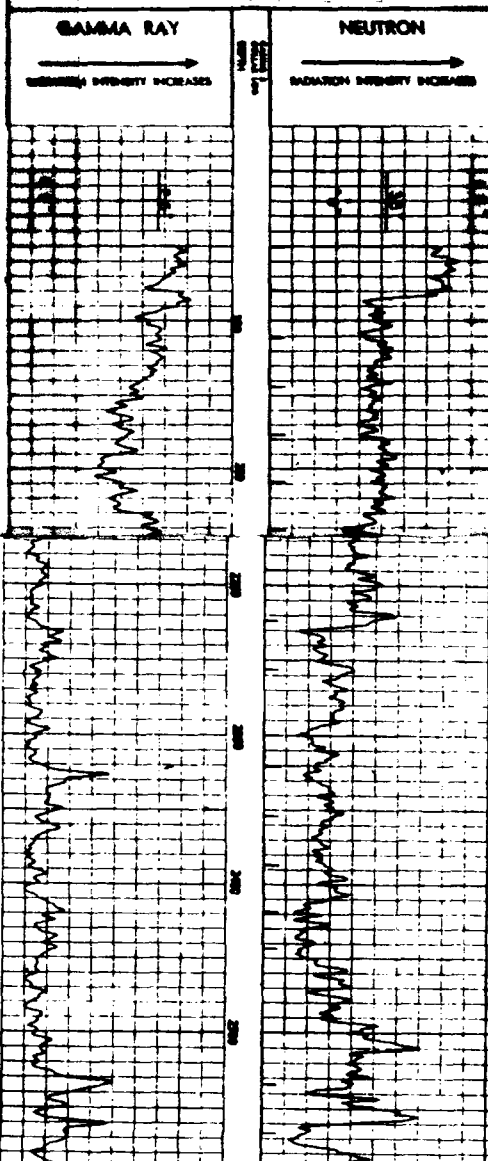
100

NORMAL
0 100 200



LAURENCE RYAN, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684,

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COMPANY MEMORIA		Other Surveys
PETROLEUM CO.		IL ML
WELL STAMPS ESTATE		Location of Well
AS		000' x 300' x 1
WELL TERRY BLINNEY		
LOCATION SEC. 24, T15, R7E		
COUNTY LEA		Section 24, T15, R7E
STATE NEW MEXICO		or 25.
FIND No.		



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