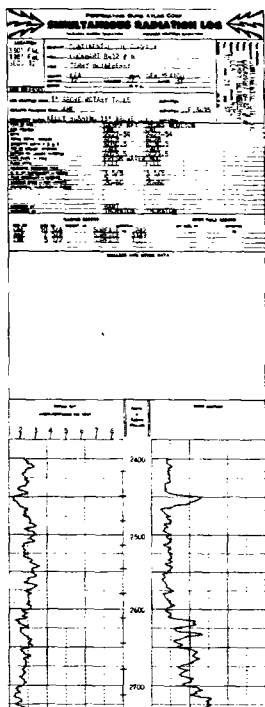


Recorded by
West Texas Electrical Log Service
1000 Lumberway, Fort Worth, Texas
Date: 1-1-58

REFERENCE No. A 2919 -D



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 2
(Conoco - Lockhart B-12 No. 6)
Lea County, New Mexico

EXHIBIT NO. 5

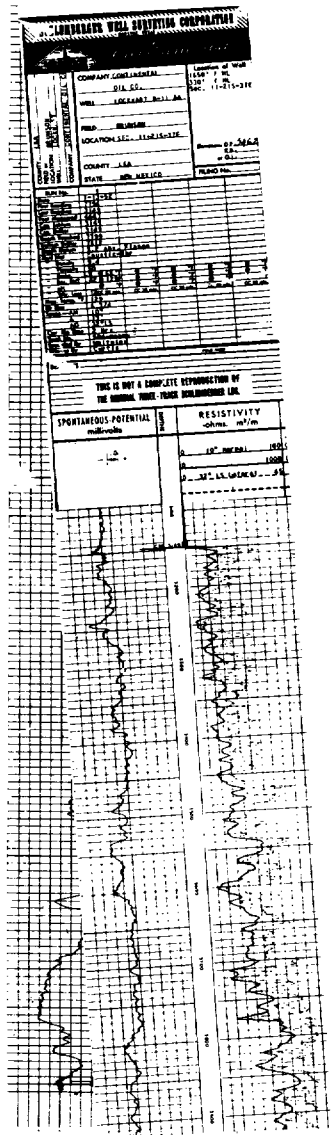
COMPANY

GAMMA RAY → SATURATION INTENSITY INCREASES	NEUTRON → SATURATION INTENSITY INCREASES
--	--

EXHIBIT NO. 6

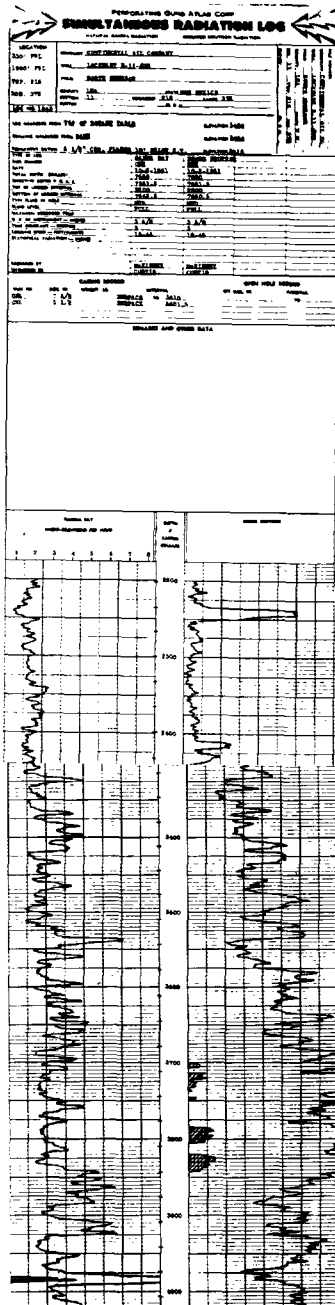
Reported by
West Texas Electrical Log Service
1008 Commerce Street
Dallas 1, Texas

REFERENCE NW 1/4 2506 - C



ATLANTIC RICHFIELD COMPANY
Blinbry Unit Well No. 6 UT
Drinkard Unit Well No. 6 LT
(Conoco - Lockhart B-11 No. 4)
Lea County, New Mexico

EXHIBIT NO. 7



ATLANTIC RICHFIELD COMPANY
Blaine Unit Well No. 8 UT
Drinkard Unit Well No. 8 LT
(Conoco - Lockhart B-11 No. 3)
Lea County, New Mexico

EXHIBIT NO. 8

WELEX ACOUSTIC VELOCITY LOG

WELL: LOCKHART B-11 P. 17
 DATE: 10-10-50
 TIME: 10:00 AM
 LOCATION: LEA COUNTY, NEW MEXICO

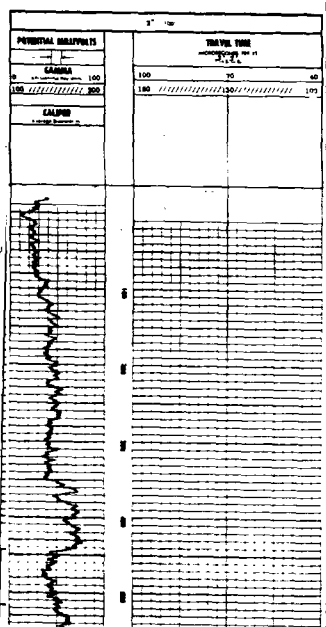
LOG NO. 1000
 SCALE: 1000 FEET
 LOG NO. 1000
 SCALE: 1000 FEET

LOG NO. 1000
 SCALE: 1000 FEET

WELL: LOCKHART B-11 P. 17
 DATE: 10-10-50
 TIME: 10:00 AM
 LOCATION: LEA COUNTY, NEW MEXICO

LOG NO. 1000
 SCALE: 1000 FEET

LOG NO. 1000
 SCALE: 1000 FEET



ATLANTIC RICHFIELD COMPANY
 Blinbry Unit Well No. 10 UT
 Drinkard Unit Well No. 10 LT
 (Conoco - Lockhart B-11 No. 17)
 Lea County, New Mexico

EXHIBIT NO. 9

REFERENCE NO A 2301 -E

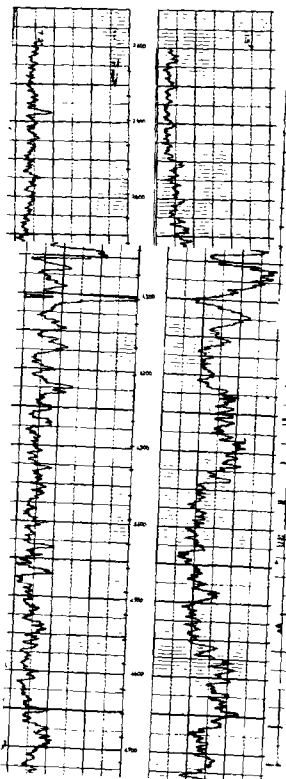
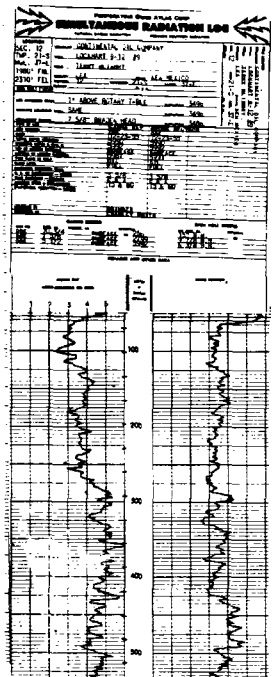


EXHIBIT NO. 10

Provided By:
 West Texas Electrical Log Service
 Date: 7/1/66

REFERENCE NO. A 4510 -D



ATLANTIC RICHFIELD COMPANY
 Blinbry Unit Well No. 14
 (Conoco- Lockhart B-12 No.9)
 Lea County, New Mexico

EXHIBIT NO. 11

EXHIBIT NO. 12

COMPANY:	INTERNATIONAL OIL COMPANY	DATE:	10/10/68
TITLE:	A. M. JENNIFER - 10/10/68	TIME:	10:00 AM
FIELD:	10000, 100000	LOCATION:	10000, 100000
COUNTRY:	USA	STATE:	W. VIRG.
LOCATION:	10000, 100000	TIME:	10:00 AM
	10000, 100000	TIME:	10:00 AM

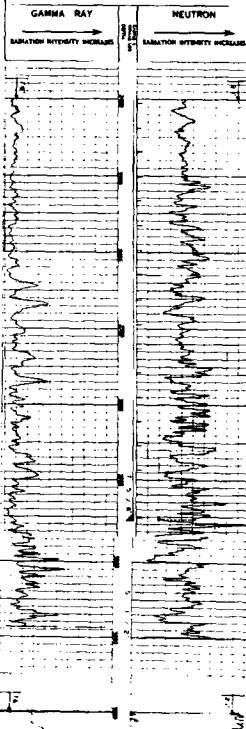
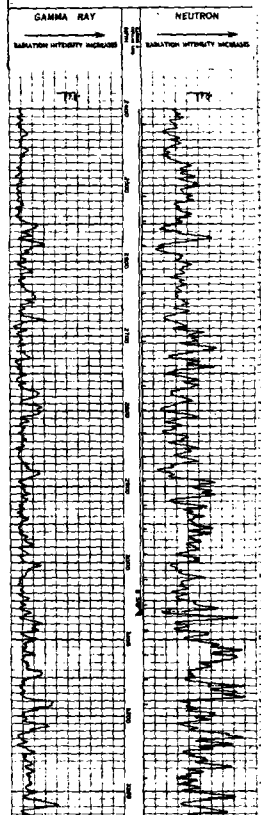
[illegible][illegible]REMARKS OR OTHER DATA
TYPE & NUMBER MAPS.

EXHIBIT NO. 13

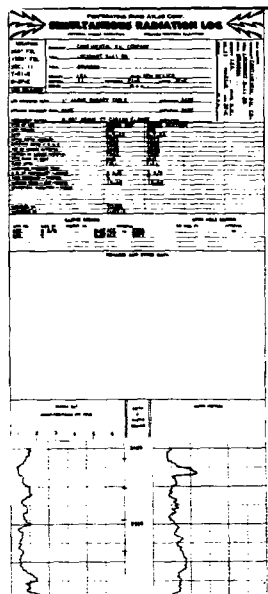
REFERENCE N° A 1032 -A

[illegible]

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 22 UT
Drinkard Unit Well No. 22 LT
(Conoco - J. H. Nolan No. 1)
Lea County, New Mexico

EXHIBIT NO. 15

REPRODUCED BY
West Texas Electrical Log Service
ONE COMMERCIAL STREET
DALLAS 7, TEXAS
REFERENCE NTA 2548 -E



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 24 UT
Drinkard Unit Well No. 24 LT
(Conoco - Lockhart B-11 No. 8)
Lea County, New Mexico

EXHIBIT NO. 16

SCHLUMBERGER WELL SURVEYING CORPORATION			
LEA COUNTY LOCATION WELL COMPANY SHELL OIL COMPANY	COMPANY SHELL OIL COMPANY		Location of Well
	WELL CHESHER #2		660' F S&W/L SEC. 12-215-37E
	FIELD TERRY BLINERY		GRN
	LOCATION SEC. 12-215-37E		Elevation: D.F. 3442 K.B. 3443 or G.L. 3432
	COUNTY LEA		FILING No.
STATE NEW MEXICO			
RUN NO. 1			
Date	3-21-58		
Depth Reference	K0 117 ADV. GL		
First Reading	5922		
Last Reading	59		
Feetage Measured	5972		
Mass Depth Reached	5922		
Bottom Griller	5920		
Maximum Temp. °F.	100		
Mud Nature	GHEM-OEL		
Density	8.5		
Viscosity	55		
Reactivity	55		
Casing Size & Weight	8 5/8" to 3250		
Open Hole	7 7/8" to 10		
Fluid Level	780'-2000' & 4000'		
Recording Speed (ft/hr)	780'-2000' & 4000'		
Sensitivity for	GR 140 IN 280/400GR		
Time Constant	1.4		
Panel	GNP-B 47		
Op. Rig Time	4 HRS		
Sonde Size & Type	3 5/8"		
Truck No.	1162-10885		
Observer	H. LINDERS		
REMARKS: CALIBRATION BACKGROUND CFS TEST SOURCE CFS GAIN INCREASE DIVISIONS FAHLE GENE TAP FOR CAL			
GAMMA RAY		NEUTRON	
MICROGRAMS RA-EO/TON		STANDARD COUNTS/SECOND	
Sensitivity Change at 3250 feet			
Count Rate - Sensitivity 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000			
Count Rate - Sensitivity 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000			

A
Pricer

REPRODUCTION
P. O. BOX 1857
MIDLAND, TEXAS

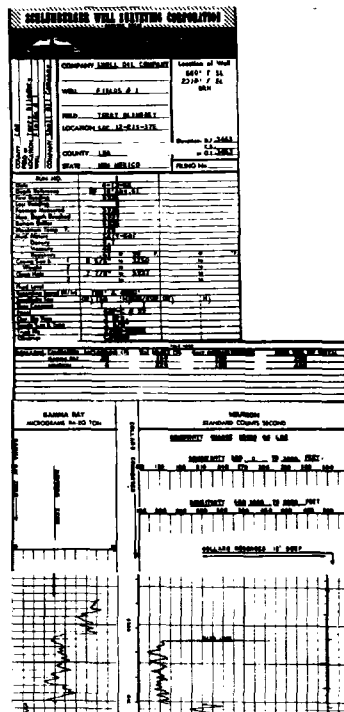
This Print Made From
Best Original Available

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 26
(Shell - Chesher No. 2)
Lea County, New Mexico

EXHIBIT NO. 17

Standard by
West Texas Electrical Log Service
Dallas, Texas

REFERENCE No. A 5882 -C



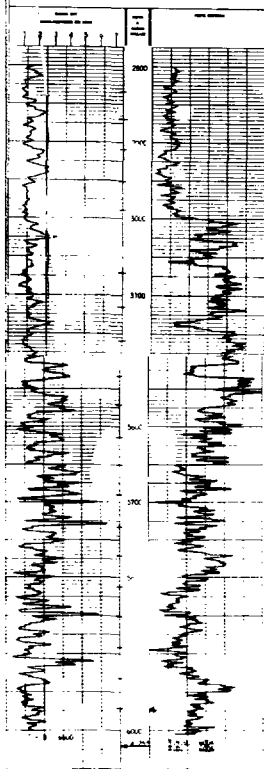
ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 28
(Shell - Fields No. 1)
Lea County, New Mexico

EXHIBIT NO. 18

Recorded by
West Texas Electrical Log Service
180 Commerce Street
Dallas 1, Texas
REFERENCE NY A 2435 -C

SYNTHETIC RADIATION LOG

WELL NO. 30
WELL NAME Blinebry Unit Well No. 30
WELL TYPE Oil Well
WELL STATUS Active
WELL DEPTH 12,470 FEET
WELL DATE 12-1-58
WELL LOCATION Lea County, New Mexico
WELL SURVEYED BY J. H. Smith
WELL SURVEYED DATE 12-1-58
WELL SURVEYED TIME 10:00 AM
WELL SURVEYED BY J. H. Smith
WELL SURVEYED DATE 12-1-58
WELL SURVEYED TIME 10:00 AM



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 30
(Summit Energy, Inc. - Gulf Basin No. 2)
Lea County, New Mexico

EXHIBIT NO. 19

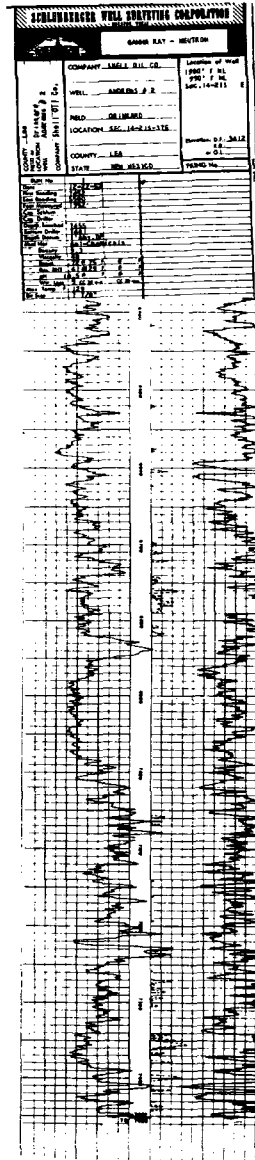
REFERENCE N° A 5277 -E

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 32 UT
Drinkard Unit Well No. 32 LT
(Conoco - Lockhart B-14-A No. 3)
Lea County, New Mexico

EXHIBIT NO. 20

REPRODUCED BY
West Texas Electrical Log Service
1008 COMMERCE STREET
DALLAS 1, TEXAS

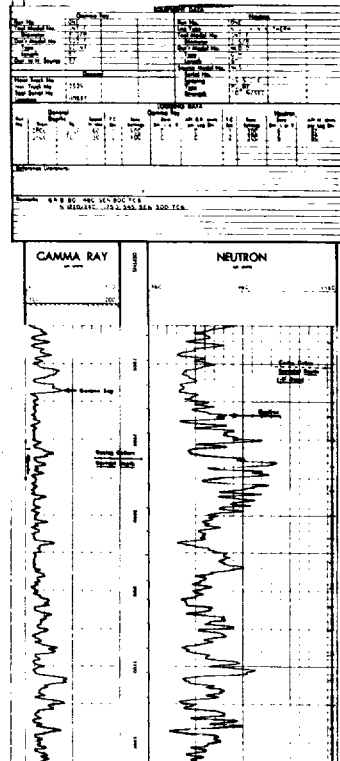
REFERENCE NO. A 2208 -B



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 34 UT
Drinkard Unit Well No. 34 LT
(Shell - Andrews No. 2)
Lea County, New Mexico

EXHIBIT NO. 21

REFERENCE A11624



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 36 UT
Drinkard Unit Well No. 36 LT
(Moranco - Owen No. 1)
Lea County, New Mexico

EXHIBIT NO. 22

REPRODUCED BY
West Texas Electrical Log Service
1108 COMMERCIAL STREET

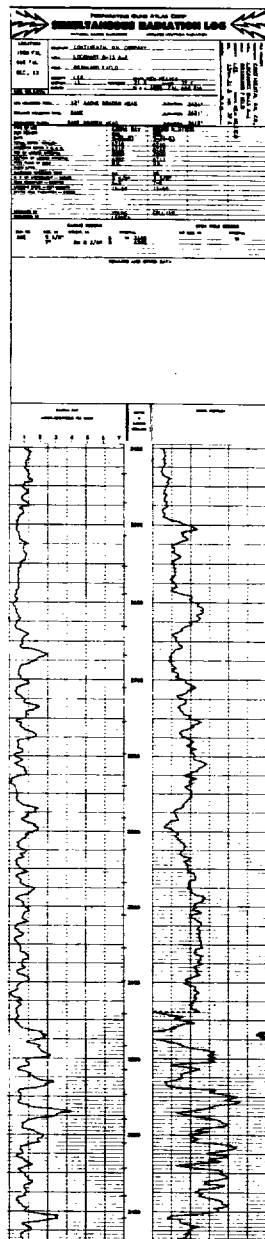
REFERENCE N° A 1005 -A

[illegible]

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 38 UT
Drinkard Unit Well No. 38 LT
(Shell - Smith No. 1)
Lea County, New Mexico

EXHIBIT NO. 23

REPRODUCED BY
West Texas Electrical Log Service
1000 COMMERCIAL STREET
DALLAS 7, TEXAS
REFERENCE MT A 2638 -D

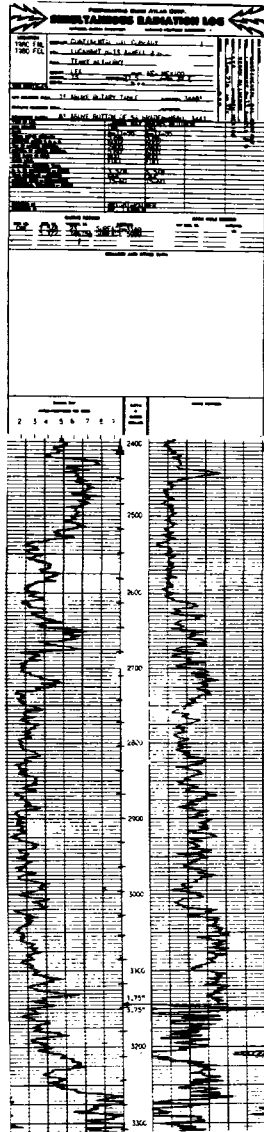


ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 40 OUT
Drinkard Unit Well No. 40 LT
(Conoco - Lockhart D-13-A No. 2)
Lea County, New Mexico

EXHIBIT NO. 24

Supplied by
West Texas Electrical Log Service
Dallas, Texas

REFERENCE NO. A 1951 -E



ATLANTIC RICHFIELD COMPANY
Blinbry Unit Well No. 42
(Conoco - Lockhart R-13-A No. 6)
Lea County, New Mexico

EXHIBIT NO. 25

Amended By
West Texas Electrical Log Service
Dallas, Texas

LANE RADIOACTIVITY LOG CONTINUATION WELLS									
Name of well		Company: 							
Well No.		WELL: 							
Field		FIELD: 							
County		COUNTY: 							
Location		LOCATION: 							
Date of log		DATE: 							
Log made by		LOG MADE BY: 							
Log run by		LOG RUN BY: 							
Log run on		LOG RUN ON: 							
Log run in		LOG RUN IN: 							
Log run at		LOG RUN AT: 							
Log run by		LOG RUN BY: 							
Log run in		LOG RUN IN: 							
Log run at		LOG RUN AT: 							
Log run by		LOG RUN BY: 							
Log run in		LOG RUN IN: 							
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Log run at		LOG RUN AT: 							
Log run by		LOG RUN BY: 							
Log run in		LOG RUN IN: 							

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 44
(Conoco - Lockhart B-13-A No. 4)
Lea County, New Mexico

EXHIBIT NO. 26

REFERENCE NO A 5591 -C

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 46 UT
Drinkard Unit Well No. 46 LT
(Conoco - Lockhart B-14-A No. 4)
Lea County, New Mexico

EXHIBIT NO. 27

SCHLUMBERGER		COMMUNICATIONS	
COMPANY: <u>ATLANTIC RICHFIELD COMPANY</u>			
WELL: <u>BLINEBRY UNIT WELL NO. 48</u>			
COUNTY: <u>LEA</u> STATE: <u>NEW MEXICO</u>			
DATE: <u>1960</u> TIME: <u>1:15</u> BY: <u>J. R. CONE</u>			
REMARKS: <u>DRINKARD UNIT WELL NO. 48</u>			
J. R. CONE - EUBANKS NO. 3)			
LEA COUNTY, NEW MEXICO			
APPROVED BY: <u>W. J. CONRAD, LEA COUNTY</u>			
DATE: <u>1960</u>			
REMARKS: <u>ATLANTIC RICHFIELD COMPANY</u>			

ATLANTIC RICHFIELD COMPANY
 Blinebry Unit Well No. 48 UT
 Drinkard Unit Well No. 48 LT
 J. R. Cone - Eubanks No. 3)
 Lea County, New Mexico

EXHIBIT NO. 28

Presented by
 West Texas Christian Log Service
 Dallas, Texas

~~CONFIDENTIAL~~ A16216

ELSV

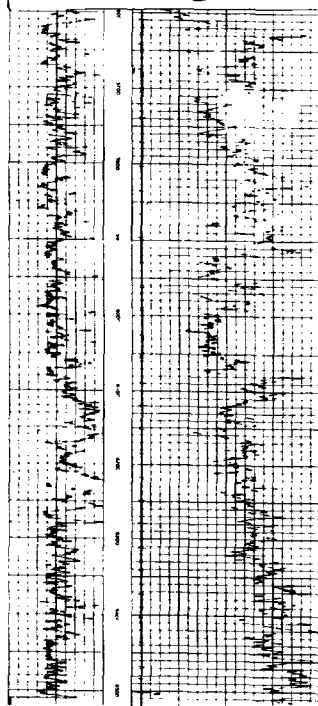
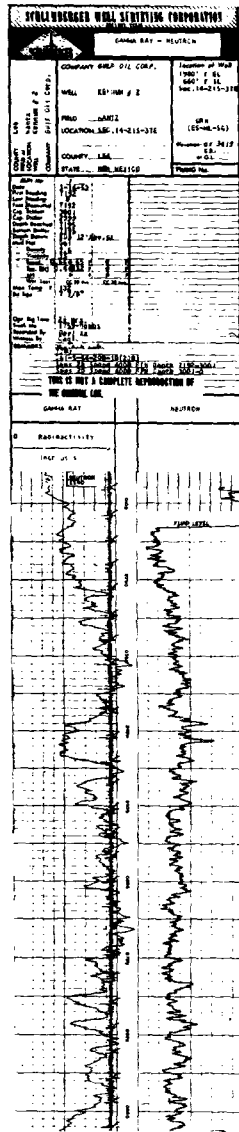


EXHIBIT NO. 29

REPRODUCED BY
West Texas Electrical Log Service
1000 Commerce Street
Dallas, Texas
REFERENCE NO. A 2209 -E



ATLANTIC RICHFIELD COMPANY
Blinberry Unit Well No. 52 UT
Drinkard Unit Well No. 52 LT
(Gulf - Naomi Keenum No. 2)
Lea County, New Mexico

EXHIBIT NO. 30

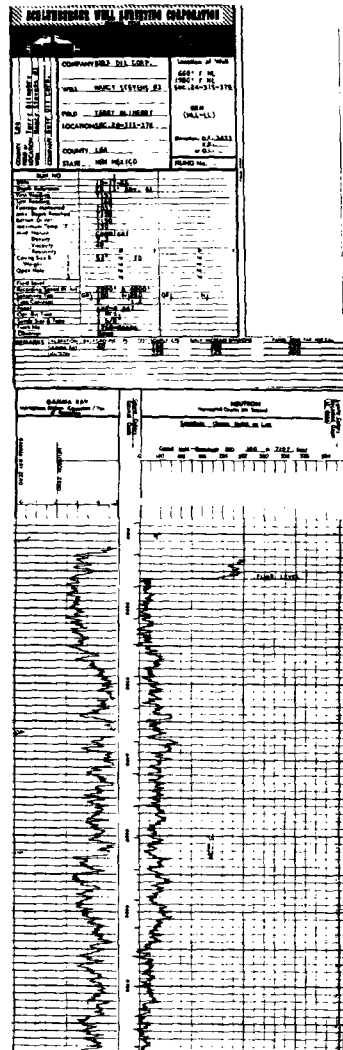
REFERENCE N° A 2503 -E

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 54 UT
Drinkard Unit Well No. 54 LT
(Conoco - A. M. Lockhart B-13-A No. 1)
Lea County, New Mexico

EXHIBIT NO. 31

Recorded by
West Texas Electrical Log Service
Dallas, Texas

REFERENCE No. A 4326 -A

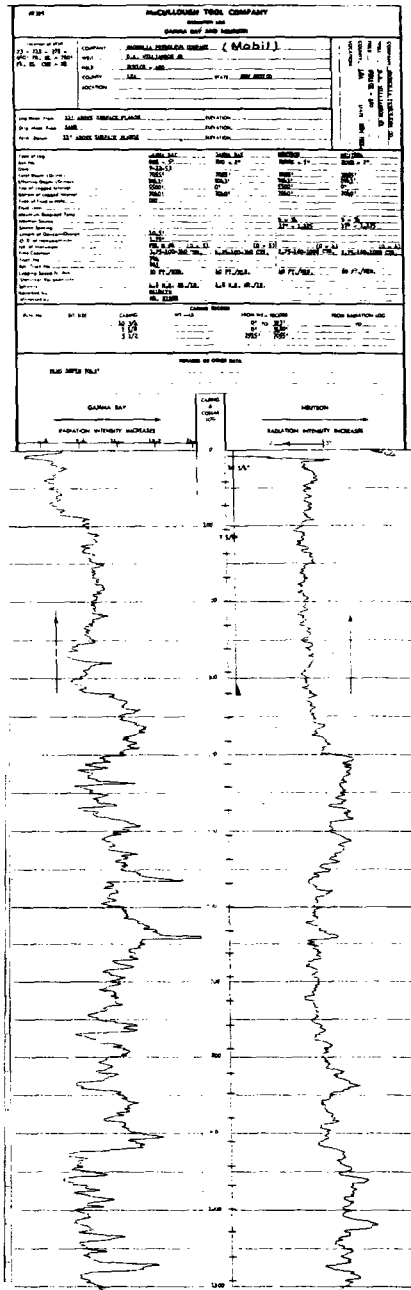


ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 56 UT
Drinkard Unit Well No. 56 LT
(Gulf - Nancy Stephens NO. 3)
Lea County, New Mexico

EXHIBIT NO. 32

REPRODUCED BY
West Texas Electrical Log Service
1000 UNIVERSITY AVENUE
DALLAS 7, TEXAS

REFERENCE: MTA 2017 -D

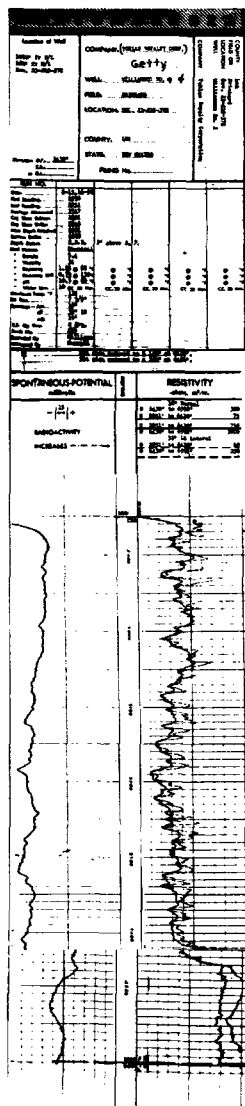


ATLANTIC RICHFIELD COMPANY
Blaine Unit Well No. 58 UT
Drinkard Unit Well No. 58 LT
(Mobil - D. A. Williamson No. 1)
Lea County, New Mexico

EXHIBIT NO. 33

Reported by
West Texas Electrical Log Service
1800 Commerce Street
Dallas 1, Texas

REFERENCE BY W1608 -A

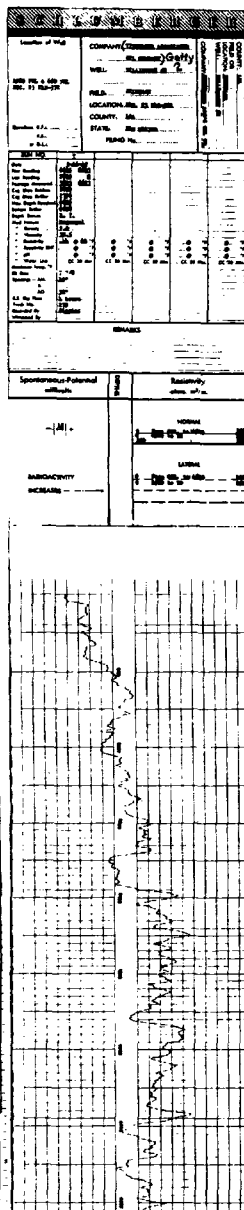


ATLANTIC RICHFIELD COMPANY
Blindbry Unit Well No. 60UT
Drinkard Unit Well No. 60LT
(Getty - D. A. Williamson No. 4)
Lea County, New Mexico

EXHIBIT NO. 34

Prepared by
WEST TEXAS ELECTRICAL LOG SERVICE
100 Commerce Street
Dallas 1, Texas

REFERENCE BY 708 <



ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 62 UT
Drinkard Unit Well No. 62 LT
(Getty - D. A. Williamson No. 2)
Lea County, New Mexico

EXHIBIT NO. 35

ELS

[illegible][illegible]EXHIBIT NO. 36

REFERENCE N° A 2681 -A

EXHIBIT NO. 37

EXHIBIT NO. 37

REFERENCE N° W4382 -A

THIS IS NOT A COMPLETE REPRODUCTION OF THE ORIGINAL FILE.	
SPONTANEOUS-POTENTIAL millivolts	RESISTIVITY ohms/m ² /in
- 15 -	
DATE/TIME	IS - 10-11-61 100
	1800
	JULY 1961 D.
RANGE FOR CALIBRATION: 17mm Diameter + .30, +.00, -.05L or .05H, between 250, boundary re	
NAME OF LAB Memphis - Nelson Engineering Inc of Memphis	

Atlantic Richfield Company - S. J. Sarkeys No. 3)
Lea County, New Mexico

EXHIBIT NO. 38

Dresser Atlas		Gamma Ray Neutron	
COMPANY SHELL OIL COMPANY WELL SARKEYS NO. 2 FIELD DRINKARD COUNTY LEA STATE NEW MEXICO LOCATION 1980' FSL & 1980' FWL Other Services NFE 23 100 21 S AGE 37-E			
Permanent Datum C. H. F. Log Measured from D. F. Drilling Measured from D. F.		Elev. 3397 Ft Above Permanent Datum OF 3410 (M)	
Core Depth 1-4:24 Type ONE Type Log G/R-N/E/N Core No. 0610 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100 Notes 1 FULL 2 HOURS PARCHEMAN MR. JUN 15			
Run No. 1 Log No. 2 Type Log 2 7/8" Core No. 3 Length 3 1/4"		Run No. 1 Log No. 2 Type Log 5/8" Core No. 3 Length 1 1/2"	
Run No. 1 Log No. 2 Type Log 2 7/8" Core No. 3 Length 3 1/4"		Run No. 1 Log No. 2 Type Log 5/8" Core No. 3 Length 1 1/2"	

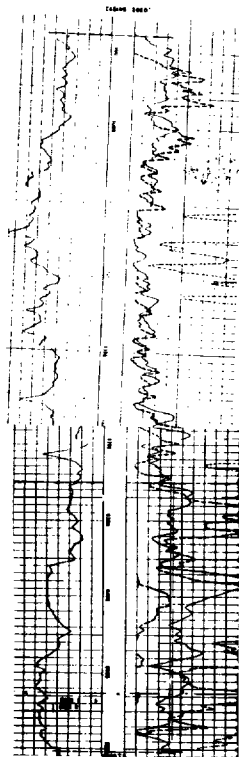
REMARKS: WELL WAS GASSING WHILE RUNNING LOG.				Equipment Used			
(62.5%) REPRODUCTION FOR RESALE PROHIBITED				Run No. ONE Log No. 24588 Type Log 2 7/8" Core No. 29516 Length 20942			
Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100	
Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100		Run No. ONE Log No. 2403 Type Log 3 1/2" Core No. 0664 Length 6681 Bottom Logged Interval 6600 Top Logged Interval 5100 Type of Fluid in Hole WATER Security Paper 12 Log and Fluid Code Laboratory No. 100	

GAMMA RAY		DEPTH		NEUTRON	
API UNITS				API UNITS	
RADIATION INTENSITY INCREASES				RADIATION INTENSITY INCREASES	
10 API/CO		5"-100"		200 API/CO	
0 API		100 API		500 API	

ATLANTIC RICHFIELD COMPANY
 Blinbry Unit Well No. 71 UT
 Drinkard Unit Well No. 71 LT
 (Shell - Sarkeys No. 2)
 Lea County, New Mexico

EXHIBIT NO. 39

REFERENCE No. 451-A

27.

(Shell - Sarkeys No. 1)
Lea County, New Mexico

EXHIBIT NO. 40

REFERENCE № A 3387 -A

ATLANTIC RICHFIELD COMPANY
Blinebry Unit Well No. 75 UT
Drinkard Unit Well No. 75 LT
Atlantic Richfield Company - S. J. Sarkeys No. 2)
Lea County, New Mexico

EXHIBIT NO. 41

