



WELLS

Wells
P. Vandergriff

FILE NO.

COMPANY WILLIAM HUDSON

WELL VANDERGRIEFF NO. 1

FIELD RED LAKE

COUNTY EDDY STATE NEW MEXICO

LOCATION:

Other Services

SEC TWP RGE

Permanent Datum GROUND LEVEL Elev.
Log Measured from DERICK FLOOR 1 Ft. Above Permanent Datum
Drilling Measured from DERICK FLOOR

Elevations:
KB
DF
GL

Date	10-12-61	10-12-61	10-12-61
Run No.	ONE	ONE	ONE
Type Log	GALAX-RAY	NEUTRON	CEMOTON
Depth Driller	2108	2108	2108
Depth Logger	2012	2012	2102
Bottom Logged Interval	2089	2101	2095
Top Logged Interval	SURFACE	SURFACE	SURFACE
Type Fluid in Hole	WATER	WATER	WATER
Salinity Ppm Cl.			
Density Lb. Gal.			
Level			
Max. Rec. Temp. Deg. F			
Cor. Rig Time			
Recorded By	HURST	HURST	HURST
Witnessed By	MR. HUDSON	MR. HUDSON	MR. HUDSON

Run No.	Bore Hole Record			Casing Record			
	Bit	From	To	Size	Wgt.	From	To
1				7"		400	1338
1				5 3/16"		SURFACE	1803
1				4 1/2"	9.5	SURFACE	2117

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ATLANTIC RICHFIELD COMPANY
VANDERGRIEFF "A" NO. 1
WEST RED LAKE UNIT
EDDY COUNTY, NEW MEXICO

EXHIBIT NO. _____

0-0 3824

SCHLUMBERGER WELL SURVEYING CORPORATION

ESTD. 1919

SCHLUMBERGER

COUNTY <u>Eddy</u> FIELD or LOCATION <u>Red Lake</u> WELL <u>William Stirling Jr. #4</u> COMPANY <u>Malco Refineries, Inc.</u>	COMPANY <u>MALCO REFINERIES, INC.</u>	Other Surveys <u>LL</u>
	WELL <u>WILLIAM STIRLING JR. #4</u>	Location of Well <u>2310' ± NL</u> <u>1650' ± WL</u>
	FIELD <u>RED LAKE</u>	Elevation: D.F. <u>3295.8</u> K.B. <u>3296.8</u> or G.L. <u>3288.8</u>
	LOCATION <u>S.E. 7-185-27E</u>	
	COUNTY <u>EDDY</u>	
STATE <u>NEW MEXICO</u>	FILING No. _____	

Log Depths Measured From KB 8 Ft. above GL

RUN NO.	DATE	TIME	LOG
Date	<u>7-6-57</u>		
First Reading	<u>1775</u>		
Last Reading	<u>0</u>		
Footage Measured	<u>1775</u>		
Max. Depth Reached	<u>1776</u>		
Bottom Driller	<u>1770</u>		
Maximum Temp. °E.	<u>95</u>		
Fluid Nature	<u>Salt Gel</u>		
Fluid Level	<u>Surf.</u>		
Casing Size	<u>8 5/8 in.</u>	<u>Surf. to 870</u>	<u>in.</u>
Casing Weight	<u>16 lb.</u>	<u>to 870</u>	<u>lb.</u>
Casing Size	<u>1 in.</u>	<u>to 10</u>	<u>in.</u>
Casing Weight	<u>16 lb.</u>	<u>to 10</u>	<u>lb.</u>
Bit Size	<u>7 7/8 in.</u>	<u>870 to 10</u>	<u>in.</u>
Bit Size	<u>1 in.</u>	<u>to 10</u>	<u>in.</u>
No. Counters Used	<u>1</u>		
Type Equipment	<u>GM-4</u>		
Type Panel	<u>GM-C</u>		
Op. Rig Time	<u>2 hrs.</u>		
Truck No.	<u>1730 Artesia</u>		
Observer	<u>Reinders</u>		
Witness	<u>Morden</u>		

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REMARKS:	CALIBRATION	BACKGROUND CPS	TEST SOURCE CPS	GALV INCREASE DIVISIONS	PANEL SENS. TAP FOR CAL
	GAMMA RAY	<u>140</u>	<u>460</u>	<u>100</u>	<u>600</u>
	NEUTRON	<u>5</u>	<u>260</u>	<u>100</u>	<u>400</u>

Reproduced By
West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE A6678C

COMPLETION RECORD

SPUD DATE

WELLS



WELL LOG

Hondo
E 6#1

COMPANY <u>AMERICAN OIL & REFINING COMPANY</u>																																																															
WELL <u>ARO CHALK BLUFF DRAW UNIT # 21</u>																																																															
FIELD <u>EMPERO-ARO</u>																																																															
COUNTY <u>LEWY</u>	STATE <u>NEW MEXICO</u>																																																														
Location <u>16.50' ESE, 23.10' TWE</u> <u>SEC. 1 TWP. 18-S</u> <u>R. 27-E</u>	Other Logs <u>GUARD</u>																																																														
Sec. _____ Twp. _____ Rge. _____	Elevation <u>3508</u>																																																														
Termination Datum <u>N-1</u> Elev. <u>3500</u>	KB <u>3508</u>																																																														
Log Measured From <u>N-1</u>	DF <u>3507</u> ✓																																																														
Drill Bits Measured From <u>N-1</u>	GL <u>3507</u>																																																														
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Reproduced By

West Texas Electrical Log Service

Dallas 2, Texas

REFERENCE A 2951.



COMPLETION RECORD

Now Hondo Feq. EG No 1

SPUD DATE

COMP DATE

DST RECORD

2"/100'

SCHLUMBERGER WELL SURVEYING CORPORATION

OPTIONAL FORM NO. 1

WASHINGTON, D.C.

William Stirling, Jr.

COUNTY EDDY
FIELD or LOCATION RED LAKE
WELL WILLIAM STIRLING, JR. 2
COMPANY SCHLUMBERGER

COMPANY MALCO REFINERIES
INC. HOUSTON

WELL WILLIAM STIRLING, JR. 2

FIELD RED LAKE

LOCATION SEC. 7-183-273

COUNTY EDDY

STATE NEW MEXICO

Other Surveys

IL

Location of Well

330FNL

990F'L

Elevation: D.F. 3207

K.B. 3208

or G.L. 3200

FILING No.

Log Depths Measured From KB Ft. above GL

RUN NO.	ONE	
Date	5-31-57	
First Reading	1803	
Last Reading	0	
Footage Measured	1803	
Max. Depth Reached	1804	
Bottom Driller	1801	
Maximum Temp. °F.	80	
Fluid Nature	AQUAGEL	
Fluid Level	22'	
Casing Size	25/8 in.	in.
Casing Weight	lb. 1192 to 926	lb. to
Casing Size	in.	in.
Casing Weight	lb. to	lb. to
Bit Size	77/8 in. C3G to 1804	in. to
Bit Size	in. to	in. to
No. Counters Used	2	
Type Equipment	GNAM-A	
Type Panel	GNP-C	
Op. Rig Time	2 HRS	
Truck No.	1730 MEXSIA	
Observer	R. J. ANDERS	
Witness	M. R. DEN	

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REMARKS: CALIBRATION BACKGROUND CPS	TEST SOURCE CPS	GALV. INCREASE DIVISIONS	PANEL SENS. TAP. FOR CAL.
GAMMA RAY : 90	180	100	600
NEUTRON : 5	240	100	600

A
Riley

REPRODUCTION

P. O. BOX 1837

MIDLAND, TEXAS

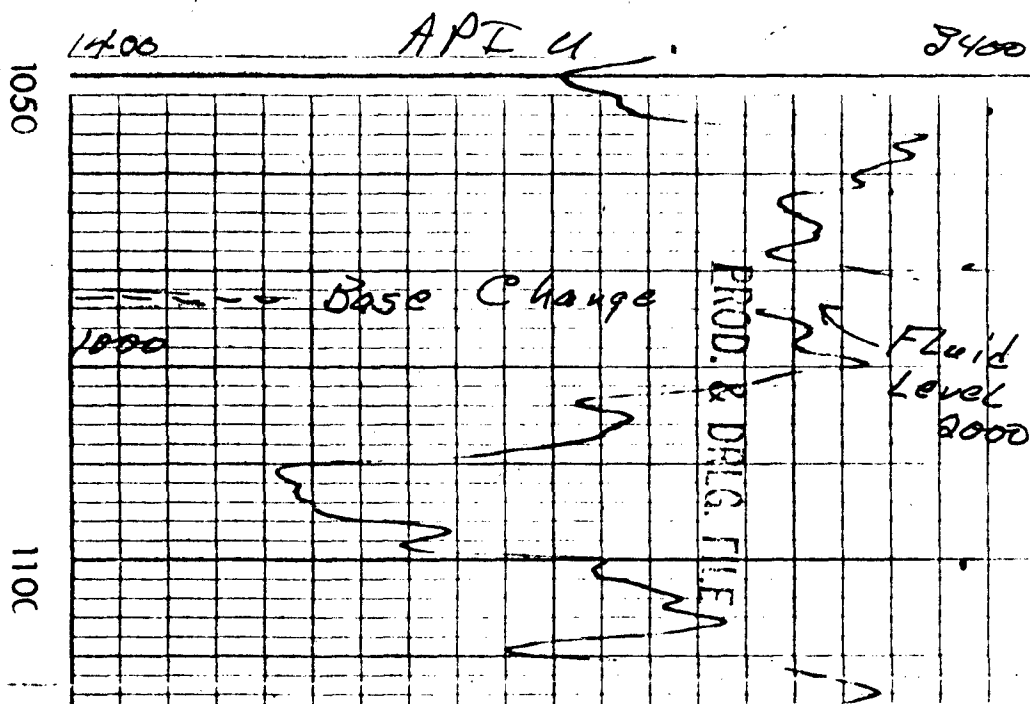
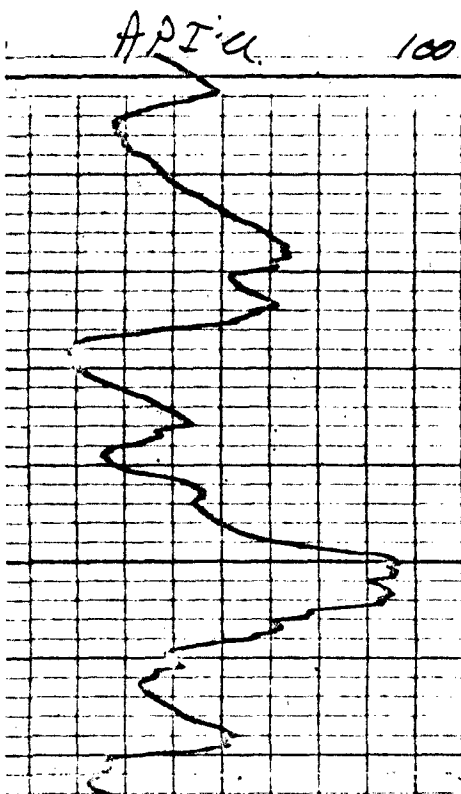
GAMMA RAY MICROGRAMS RA-EQ/TON	CASING COLLARS	NEUTRON STANDARD COUNTS /SECOND
INTERVAL: 0 to 800		INTERVAL: 0 to 800

Completed 2-17-1954
O.T.D. 1170'
N.T.D. 3005'
T.A. 4-6-65
P.B.D. 1898'
Re-entered 10-14-62

Picher #5

Picher Fed. No. 5
990' ENL & 2310' PBL, Sec 8,
T-18-S, R-27-E
Eddy County, New Mexico

PROD. & DRLG. FILE



WELL LOG

WELL LOG

106

COMPANY WEIR DRILLING CO.

WELL KAISER # 4

FIELD RED LAKE

County EDDY

State NEW MEXICO

File

COMPANY WEIR DRILLING COMPANY
WELL KAISER # 4
FIELD RED LAKE
COUNTY EDDY STATE NEW MEXICO

PROD. & DRLG. FILE

Location
1810' F/EL &
990' F/SL
Sec. 7 Twp 18-S Rge 27-E

Other Logs

Elevation

Permanent Datum. GROUND LEVEL Elev. 3292'
Log Measured From GROUND LEVEL
Drilling Measured From GROUND LEVEL

KB.
DF.
GL. 3292'

Type Log	GAMMA	N. GAMMA
Run No.	ONE	ONE
Date	12-14-57	12-14-57
Total Depth Driller	1772'	1772'
Present Depth Driller	1772'	1772'
Total Depth Welex	1769'	1769'
Survey Begins	1759'	1769'
Survey Ends	0'	10'
Mud Data		

Type Fluid in Hole	OIL	OIL
Salinity PPM Cl		
Weight lb./gal.		
Fluid Level		
Max. Hole Temp.	83°F.	83°F.
Recorded By	HARRIS	HARRIS
Witnessed By	HAMMOND	HAMMOND

BORE HOLE RECORD				CASING RECORD			
Run	Bit	From	To	Size	Wat.	From	To
ONE	8 3/4"	SURF.	862'	7"		SURF.	862'
ONE	6 1/4"	862'	1772'	4 1/2"		SURF.	1772'

Case 3874

ATLANTIC RICHFIELD COMPANY
KAISER NO. 4
WEST RED LAKE UNIT
EDDY COUNTY, NEW MEXICO

EXHIBIT NO. _____