



THE WESTERN COMPANY

GAMMATRON

Simultaneous Nuclear Log

FILE NO. 36043

COMPANY ROSS BRUNNER
WELL HONOLULU STATE # 4
FIELD COYOTE QUEEN
COUNT CHAVES STATE NEW MEXICO

LOCATION:

1650' FN & W LINES

OTHER SERVICES:

DATE 14 11-S AGE 27-E
G.L. ELEV 3747
7' ABOVE PERMANENT DATUM
K.B., 7' ABOVE G.L.
3-19-60 3-19-60
ONE-NW ONE-NW
GAMMA-RAY NEUTRON
1108 1108
1095.5 1095.5
1086.5 1094
SURFACE SURFACE
WATER WATER
SALINITY PPM CL
DENSITY
LEVEL FULL FULL
MAX REC. TEMP DEG. F
OPR RIG TIME 1 HR. 1 HR.
RECORDED BY MONK MONK
WITNESSED BY MR. ROACH

BORE HOLE RECORD				CASING RECORD			
NO.	SIZE	FROM	TO	SIZE	WGT	FROM	TO
ONE	7 7/8	SURF.	1109	4 1/2		SURF.	1109

RECOMMENDED STANDARD PRACTICE NO. 34

NEUTRON

GAMMA RAY

THE WESTERN COMPANY

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Simultaneous Nuclear Log

FILE NO. 36044		COMPANY ROSS BRUNNER	
WELL HONOLULU		STATE # 3	
FIELD COYOTE QUEEN			
COUNTY CHAVES		STATE NEW MEXICO	
LOCATION:		OTHER SERVICES	
1650' FNL & 330' FWL,			
REF 14 TAP -11-S RGE -27-E		ELEVATIONS	
GROUND LEVEL 3740		3747	
D.F. 7		3746	
DERRICK FLOOR R.B.		3740	
DATE	3-19-60	3-19-60	
RUN NO	ONE-NW	ONE-NW	
TYPE LOG	GAMMA-RAY	NEUTRON	
DEPTH - DRILLER			
DEPTH - LOGGER	1062.5	1062.5	
BOTTOM LOGGED INTERVAL	1053.5	1061	
TOP LOGGED INTERVAL	SURF.	SURF.	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY PPM CL			
DENSITY			
LEVEL	FULL	FULL	
MAX REC TEMP DEG F			
CORR. RIG TIME	1 1/4 HOURS		
RECORDED BY	MCNK		
WITNESSED BY	MR. ROACH		
RUN BORE HOLE RECORD		CASING RECORD	
NO	BIT FROM TO	SIZE WGT	FROM TO
		4 1/2 9.5	SURF. T.D.

THIS READING AND FLOW CHARTS TO A RECOMMENDED STANDARD PRACTICE RP-33

2023 INNOVATION

FLASH

BEFORE EXAMINER UTZ
U.S. CONSERVATION COMMISSION
PERFORATING COMPANY
EXHIBIT NO. 2
CASE NO. 1974

Radioactivity Log

WELL FILE

LOCATION	COMPANY: <u>Ross Brunner</u>	COUNTY: <u>Chaves</u> STATE: <u>New Mex.</u>	WELL: <u>Honolulu State #2</u>	FIELD: <u>Coyote Queens</u>	COMPANY: <u>Ross Brunner</u>
	WELL: <u>Honolulu State #2</u>				
	FIELD: <u>Coyote Queens</u>				
	COUNTY: <u>Chaves</u> STATE: <u>New Mex.</u>				
LOG NO.					
LOG MEASURED FROM: <u>6' Above G.L.</u> ELEV. _____					
DRILLING MEASURED FROM: _____ ELEV. _____					
PERMANENT ZERO REF. <u>6' Above G.L.</u> ELEV. _____					

RUN NO.	<u>One</u>
DATE	<u>9-17-59</u>
TOTAL DEPTH (DRILLER)	
MAXIMUM DEPTH REACHED	<u>1065</u>
TOP OF LOGGED INTERVAL	<u>920</u>
BOTTOM OF LOGGED INTERVAL	<u>1064</u>
TYPE FLUID IN HOLE	<u>Water</u>
FLUID LEVEL	<u>Full</u>
MAXIMUM RECORDED TEMP.	
O. D. OF INSTRUMENT—INCHES	<u>3 5/8</u>
LOGGING SPEED—FEET/MIN.	<u>20</u>
TIME CONSTANT	<u>30</u>
SENSITIVITY	<u>2.5</u>
RECORDED BY	<u>Delmasso</u>
WITNESSED BY	<u>Mr. Loveless Jr.</u>

CASING RECORD

EL-1 3720

RUN NO	BIT SIZE	SIZE, IN.	WEIGHT	INTERVAL
<u>One</u>		<u>4 1/2</u>		TO _____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
OPEN HOLE FROM _____			TO _____	

REMARKS AND OTHER DATA



THE WESTERN COMPANY

GAMMATRON

Simultaneous Nuclear Log

FILE NO. **4503**

COMPANY **C.T. ROBERTSON**

WELL **HONOLULU STATE "B" # 3**

FIELD **COYOTE QUEEN**

COUNTY **CHAVES** STATE **NEW MEXICO**

LOCATION:

2310' FS&EL'S,

OTHER SERVICES

SEC. **11** TWP. **-11-S** RGE. **-27-E**

ELEVATIONS

PERMANENT DATUM GROUND LEVEL ELEV. **3747**

LOG MEASURED FROM K.B. **7** FT. ABOVE PERMANENT DATUM KB **3747**

DRILLING MEASURED FROM K.B. **7** FT. ABOVE GROUND LEVEL DF **3745**

DATE **4-1-60** **4-1-60** GL **3740**

RUN NO. **ONE-NW** **ONE-NW**

TYPE LOG **GAMMA-RAY** **NEUTRON**

DEPTH-DRILLER **1086** **1086**

DEPTH-LOGGER **1085.5** **1085.5**

BOTTOM LOGGED INTERVAL **1076.5** **1084**

TOP LOGGED INTERVAL **SURF.** **SURF.**

TYPE FLUID IN HOLE **WATER** **WATER**

SALINITY PPM CL.

DENSITY

LEVEL **FULL** **FULL**

MAX. REC. TEMP. DEG. F

OPR. RIG TIME **ONE HOUR** **ONE HOUR**

RECORDED BY **MDNK** **MDNK**

WITNESSED BY **MR. ROACH** **MR. ROACH**

RUN NO. **ONE** **ONE**

DATE **7/7/60** **7/7/60**

TIME **1093** **1093**

DEPTH **1093** **1093**

TYPE **SURF.** **SURF.**

LOG **T.D.** **T.D.**

Reproduced By
West Texas Electrical Log Service

Dallas 2, Texas

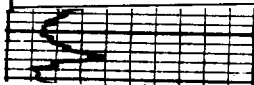
REFERENCE **A97020**

5 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD





THE WESTERN COMPANY

GAMMATRON

Simultaneous Nuclear Log

FILE NO. 4603

COMPANY C.T. ROBERTSON

WELL MONOCULU STATE "B" # 3

FIELD COYOTE QUEEN

COUNTY CHAVES STATE NEW MEXICO

LOCATION:

2310'FS&EL'S,

OTHER SERVICES

SEC. 11 TWP.-11-S RGE.-27-E

ELEVATIONS

PERMANENT DATUM GROUND LEVEL ELEV. 3747

LOG MEASURED FROM K.B. 7 FT. ABOVE PERMANENT DATUM 3745

DRILLING MEASURED FROM K.B. 7' ABOVE GROUND LEVEL 3740

DATE 4-1-60 4-1-60

RUN NO. ONE-NW ONE-NW

TYPE LOG GAMMA-RAY NEUTRON

DEPTH-DRILLER 1086 1086

DEPTH-LOGGER 1085.5 1085.5

BOTTOM LOGGED INTERVAL 1076.5 1086

TOP LOGGED INTERVAL SURF. SURF.

TYPE FLUID IN HOLE WATER WATER

SALINITY PPM CL

DENSITY

LEVEL FULL FULL

MAX. REC. TEMP. DEG. F

OPR. RIG TIME ONE HOUR ONE HOUR

RECORDED BY MCK MCK

WITNESSED BY MR. ROACH MR. ROACH

RUN BORE HOLE RECORD CASING RECORD

NO. BIT FROM TO SIZE WT. FROM TO

ONE 7 7/8 SURF. 1093 4 1/2 9.5 SURF. T.D.

Reproduced By

West Texas Electrical Log Service

Dallas 2, Texas

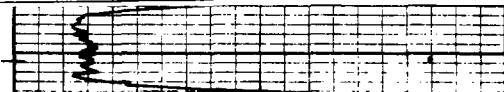
REFERENCE A9702C

5 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD



COMPANY: ROSS, BRUNER WELL: HONOLULU STATE NO. 1 FIELD: CHAVES CO. W/C LOCATION: SEC. 14 COUNTY: CHAVES STATE: NEW MEXICO	COMPANY: ROSS, BRUNER		Well Location
	WELL: HONOLULU STATE NO. 1		
	FIELD: CHAVES CO. W/C		
	LOCATION: N/W. OF N/W. SEC. 14, T-11-S, R-27-E		
	COUNTY: CHAVES STATE: NEW MEX.		
LOG ZERO: GROUND LEVEL		ELEV. 3723	
DRLG. ZERO: GROUND LEVEL		ELEV. 3723	
PERM. DATUM: GROUND LEVEL		ELEV. 3723	

TYPE OF LOG	GAMMA RAY	N/NEUTRON
RUN NO.	ONE - OW	ONE - OW
DATE	6-20-59	6-20-59
TOTAL DEPTH (DRILLER) BACK	1052	1052
EFFECTIVE DEPTH (DRILLER)	1052	1052
TOP OF LOGGED INTERVAL	100	100
BOTTOM OF LOGGED INTERVAL	1039	1051
TYPE OF FLUID IN HOLE	SALT GEL	SALT GEL
FLUID LEVEL	FULL	FULL
MAXIMUM RECORDED TEMP.	-	-
SOURCE STRENGTH & TYPE	-	S10A3
SOURCE SPACING - IN.	-	13.5
DETECTOR CLASS	SCINT	SCINT
DETECTOR TYPE	DIGI	D6N1
LENGTH OF MEAS. DEVICE - IN.	4	4
O.D. OF INSTRUMENT - IN.	3 5/8	3 5/8
TIME CONSTANT - SECONDS	2 - .9	2 - .9
LOGGING SPEED FT./MIN.	RECORDED	RECORDED
STATISTICAL VARIATION - IN.	RECORDED	RECORDED
SENSITIVITY REFERENCE	C-933	D-368
RECORDED BY	WALLACE	WALLACE
WITNESSED BY	MR. LOVELESS & MR. ROACH	

WELL RECORD						
RUN	BIT SIZE	CASING	WT.-LB.	FROM WELL RECORD		FROM LOG
ONE		7		SURFACE	TO 188	SURFACE TO 170
ONE		0.8		188	TO 935	170 TO
ONE	6 1/4	0.8		935	TO 1052	TO 1052
					TO	TO
					TO	TO

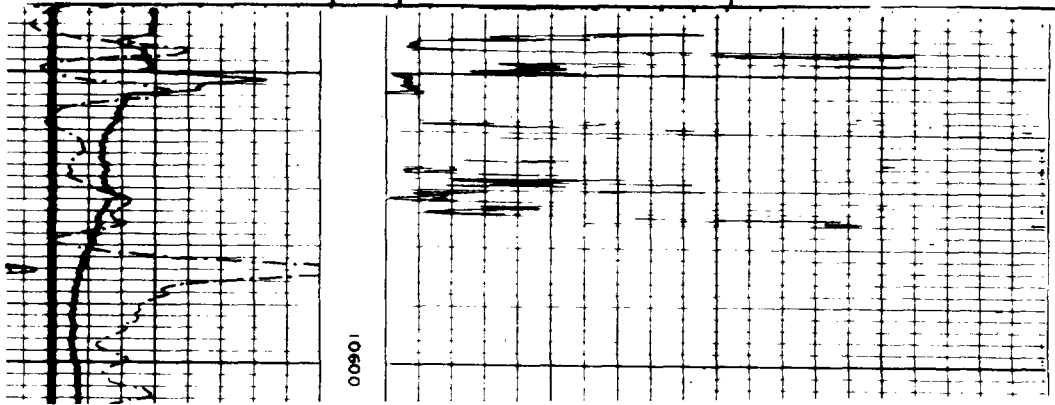
LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE



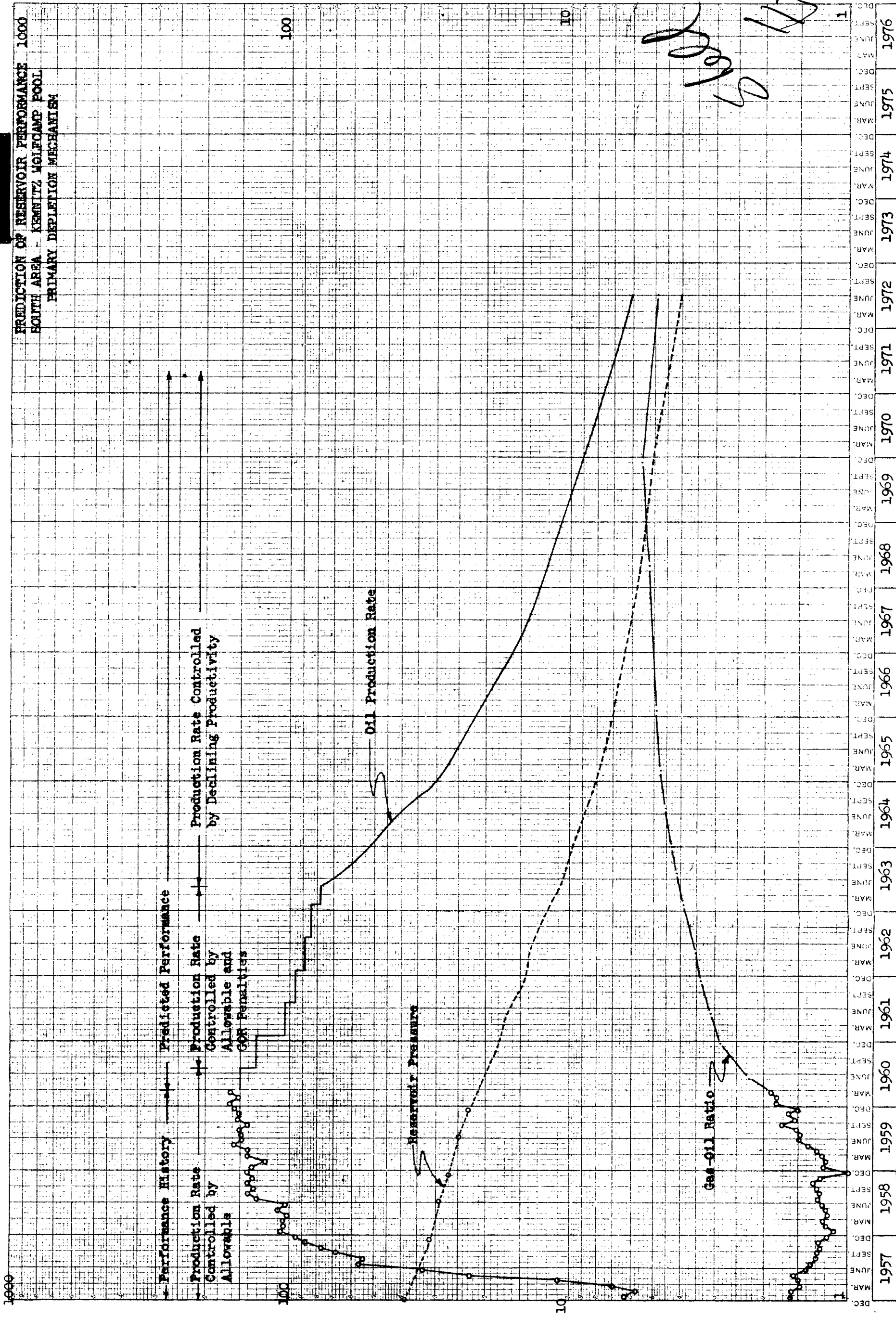
MicroLOGGING®

LEA KEMNITZ-WOLF CAMP NEW MEXICO A #2 PHILLIPS PETR. CORPORATION COUNTY FIELD or LOCATION WELL COMPANY	COMPANY <u>PHILLIPS PETR.</u> COMPANY WELL <u>NEW MEXICO</u> A #2 FIELD <u>KEMNITZ-WOLF CAMP</u> LOCATION <u>SEC. 25-16S-33E</u> COUNTY <u>LEA</u> STATE <u>NEW MEXICO</u>	Other Surveys GRN IES Location of Well 1983' From E/L 661' From S/L Elevation: D.F. <u>4164</u> K.B. <u>4166</u> or G.L. <u>4153</u>
	Log Depths Measured From <u>KB</u> <u>14</u> Ft. above <u>SCF</u>	
	RUN No. _____ Date <u>8-22-58</u> First Reading <u>761</u> Last Reading <u>8500</u> Feet Measured <u>211</u> Depth Reached <u>11612</u> Bottom Driller <u>11610</u> Mud Nat. <u>CHEM.</u> Dens. Visc. <u>9.4</u> <u>40</u> Mud Resist. <u>90</u> Res. BHT <u>142</u> pH <u>9</u> Wtr Loss <u>10</u> CC 30 min <u>142</u> CC 30 min <u>142</u> CC 30 min <u>142</u> Rmt <u>55</u> Rmc <u>142</u> Mud Log. Rm <u>0.6</u> Depth <u>11270</u> Bit Size <u>7 3/4"</u> Sonde Type <u>PMS</u> Pad Type <u>H-PAD</u> Opr. Rig Time <u>2 HOURS</u> Truck No. <u>1529 HOBBS</u> Recorded By <u>WILSON</u> Witness <u>PHILLIPS</u>	
	REMARKS <u>RUN 1: 144 490 100 400 Sens.: 200-300 T.C.: 2 Speed: 60'/30'/min</u>	

MICROCALIPER	DEPTH	RESISTIVITY ohms. m ² /m	
8 9 10 11 12 13 14 15 16 Hole Diameter in Inches		0 Micro Inverse 1" x 1" 20 40 0 Micro Normal 2" 20 40	
SPONTANEOUS POTENTIAL millivolts Micro ☐ ES ☐ ☐ 20			



LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE



Oil Production Rate - Thousands of Stock Tank Barrels Per Month
Reservoir Pressure - Hundreds of Pounds Per Square Inch
Gas-Oil Ratio - Thousands of Standard Cubic Feet Per Stock Tank Barrel

Oil Production Rate - Thousands of Stock Tank Barrels Per Month
Reservoir Pressure - Hundreds of Pounds Per Square Inch
Gas-Oil Ratio - Thousands of Standard Cubic Feet Per Stock Tank Barrel

100
10
1

SHELL 2
CASE 1947