SCHLUMBERGER

MICROLOG

COMPANY PAN AMERICAN PETROLEUM CORPORATION

WELL OSTGREN UNIT NO. 13

FIELD OSTGREN

COUNTY BANNER STATE NEBRASKA

LOCATION NW NE 1/4 Sec. 32 Twp. 17N Rge. 54W

Other Services: ES

Permanent Datum: G.L. Elev. 4814

Log Measured From K.B. 10 Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev.: K.B. 4824 D.F. G.L. 4814

Date	5-17-63				
Run No.	ONE				
Depth—Driller	6120				
Depth—Logger	6112				
Btm. Log Interval	6111				
Top Log Interval	5850				
Casing—Driller	8-5/8" @ 462				
Casing—Logger	8-5/8" @ 462				
Bit Size	7-7/8"				
Type Fluid in Hole	GEL-CHEM-OIL				
Dens. Visc.	10.1	87			
pH Fluid Loss	7.5	6.4 ml			
Source of Sample	FLOW LINE				
Rm @ Meas. Temp.	4.1 @ 76°F				
Rmf @ Meas. Temp.	3.9 @ 64°F				
Rmc @ Meas. Temp.	1.7 @ 146°F				
Source Rmf Rmc	1.7 @ 146°F				
Rm @ BHT	2.0 @ 146°F				
Time Since Circ.	3 HOURS				
Max. Rec. Temp.	146°F				
Equip. Location	4-30 KCM				
Recorded By	HANDLEY				
Witnessed By	PR. WILSON				

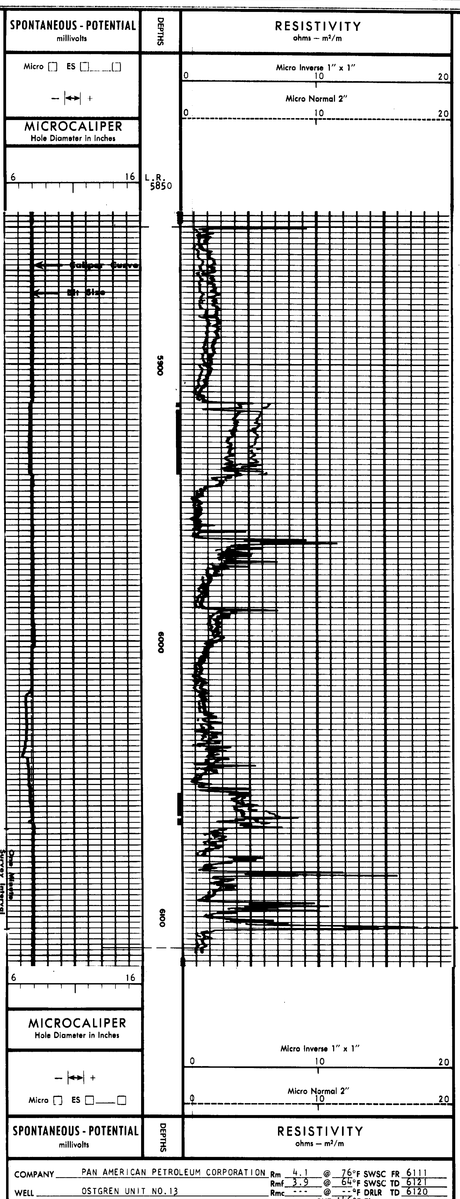
FOLD HERE

REMARKS

Mud Log: Rm: 2.0

Equip. Used: PANEL No. 418F Depth: 5830'

SONDE No. 524A



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WELL OSTGREN UNIT NO. 13

FIELD OSTGREN - LOC. NW NE SEC. 32-17N-54W

COUNTY BANNER STATE NEBRASKA

Rm 4.1 @ 76°F SWSC FR 6111

Rmf 3.9 @ 64°F SWSC TD 6121

Rmc --- @ --°F DRLR TD 6120

BHT 146°F Elev.

KB 4824

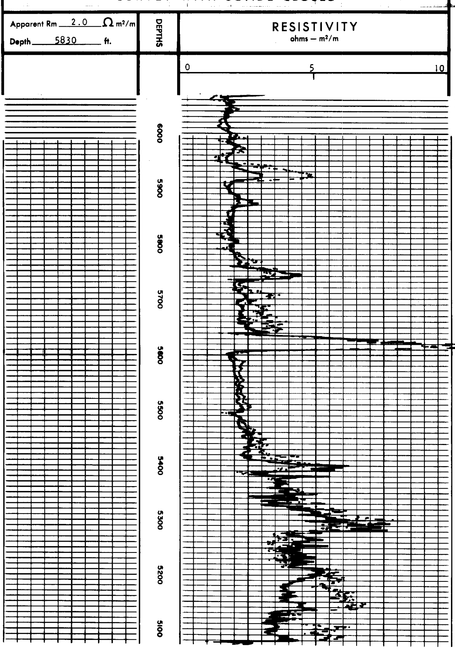
DF

GL 4814

SURVEY WITH SONDE CLOSED

Apparent Rm 2.0 Ω m²/m

Depth 5830 ft.



COMPANY: PAN AMERICAN PETROLEUM CORPORATION LOCATION: NW NE SEC. 32-17N-54W

WELL: OSTGREN UNIT NO. 13 COUNTY: BANNER STATE: NEBRASKA

First in the Field *Foremost in Research*