SCHLUMBERGER

MICROLOG

4 TH CALIPER

COUNTY	BANNER
FIELD or LEASE	VOWERS "D"
SECTION	SEC. 34-17N-54W
WELL	P. C. OSTGREN
COMPANY	NAT. AMERICAN PETROLEUM CORP.

COMPANY	PAN AMERICAN PETROLEUM CORP.
WELL	P. C. OSTGREN NO. 17
FIELD	VOWERS "D"
LOCATION	NW SW 12 SEC. 34-17N-54W
COUNTY	BANNER
STATE	NEBRASKA

Other Surveys: I-ES

Location of Well: 75'N & 90'W OF CENTER

Elevation: K.B. 4748.4, D.F., or G.L. 4742

Log Depths Measured From K.B. 6.4 ft. above G.L.

RUN No.	ONE			
Date	3-16-62			
First Reading	5360			
Last Reading	5550			
Feet Measured	410			
Depth Reached	5361			
Bottom Driller	5370			
Mud Not.	GEL & OIL			
Dens. / Visc.	10 / 100			
Mud Resist.	1.65 @ 72 °F	@ °F	@ °F	@ °F
" Res. BHT	1.95 @ 144 °F	@ °F	@ °F	@ °F
" pH	9.5	@ °F	@ °F	@ °F
" Wtr. Loss	6.5 CC 30 min	CC 30 min		
" Rmf	2.15 @ 144 °F	@ °F	@ °F	@ °F
" Rmc	1.25 @ 144 °F	@ °F	@ °F	@ °F
Mud Log: Rm	1.85			
Depth	5270			
Bit Size	7 7/8"			
Sonde Type	PMS-A			
Pad Type	HYD			
Opr. Rig Time	HOUR			
Truck No.	2509 B.M.			
Recorded By	RANSOM			
Witness	MR. SCHUELER			

REMARKS: MUD RAISED FROM 1400 TO 1500 FT.

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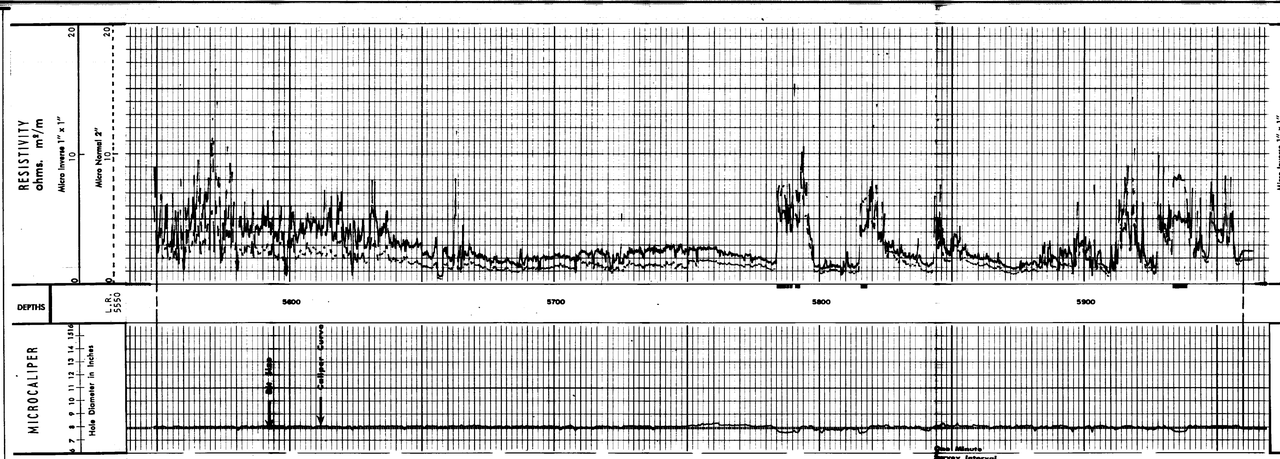
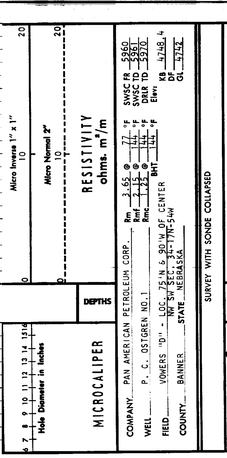


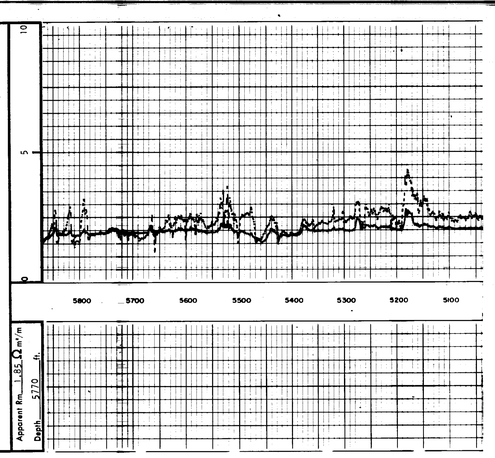


Rm	1.65 @	72 °F	SWSC TD 5360
Rmf	2.15 @	144 °F	SWSC TD 5361
Rmc	1.25 @	144 °F	DRLR TD 5370
		BHT 144 °F	Elev.: KB 4748.4
			DF
			GL 4742

COMPANY PAN AMERICAN PETROLEUM CORP.
WELL P. C. OSTGREN NO. 1
FIELD VOWERS "D" - LOC. 75 N & 90 W OF CENTER NW SW SEC. 34-17N-54W
COUNTY BANNER STATE NEBRASKA

SURVEY WITH SONDE COLLAPSED

Apparent Rm 1.85 Ω m²/m
Depth 5270 ft.



COMPANY PAN AMERICAN PETROLEUM CORPORATION LOCATION 75' N & 90' W OF CENTER NW SW SEC. 34-17N-54W

WELL P. C. OSTGREN NO. 17 COUNTY BANNER STATE NEBRASKA

First in the Field *Foremost in Research*