LANE WELLS Microlog CALIPER

FILE NO.

COMPANY PAN AMERICAN PETRO. EUM. CORP.
WELL P. C. OSTGREN #16
FIELD VOWERS
COUNTY BANNER STATE NEBRASKA
LOCATION: SEC. 34 TWP. 17N RGE. 54W
C SE NW

Other Services: HES

Permanent Datum: GROUND LEVEL Elev.: 0
Log Measured From: K.B. 10' Above Permanent Datum
Drilling Measured From: K.B.

Elevations: K.B. 5687.5 D.F. G.L. 5663

Date: 7-16-62
Run No.: ONE
Depth-Driller: 5890
Depth-Logger: 5894
Bottom Logged Interval: 5894
Top Log Interval: SURFACE
Casing-Driller: 8.5/8@ 327
Casing-Logger: 327
Bit Size: 7.7/8
Type Fluid in Hole: CMEM GEL
Density and Viscosity: 10.0 42/60
pH and Fluid Loss: 9.0 6.0 cc
Source of Sample: FLOWLINE
Rm @ Meas. Temp.: 2.9 @ 106 °F
Rmf @ Meas. Temp.: 1.9 @ 92 °F
Rmc @ Meas. Temp.: 5.2 @ 94 °F
Source Rmf / Rmc: FILTER / PRESS.
Rm @ BHT: 2.1 @ 148 °F
Rmf @ BHT: 1.4 @ 148 °F
Rmc @ BHT: 1.9 @ 148 °F
Max. Rec. Temp.: 148 °F
Equip. No. and Location: 1.4658 N.MAIL
Recorded By: NEDROW
Witnessed By: M. MAREK

FILE NO. 2

THIS READING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33

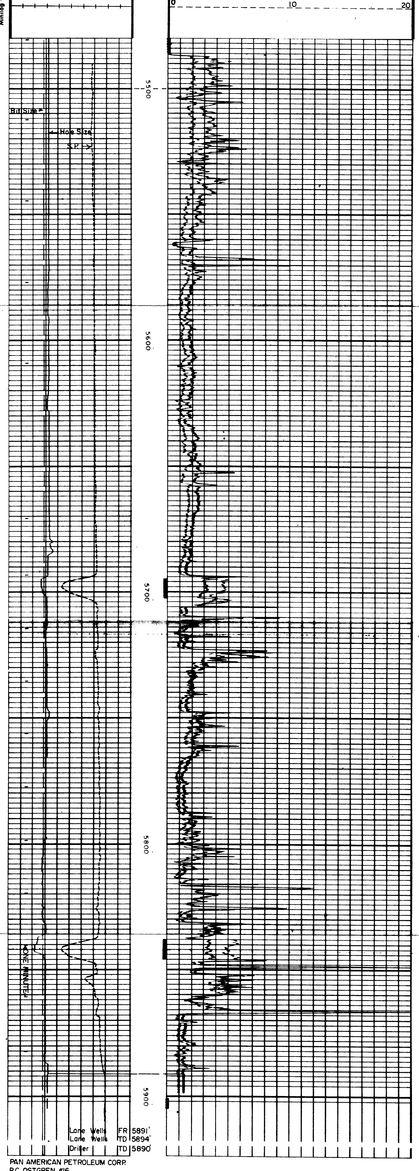
REMARKS

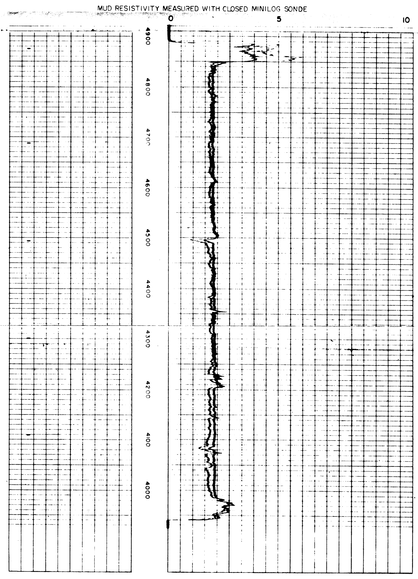
| Changes in Mud Type or Additional Samples | | | |
|---|---|---|---|
| Date | Sample No. | | |
| Depth-Driller | | | |
| Type Fluid in Hole | | | |
| Dens. | Visc. | | |
| pH | Fluid Loss | cc | cc |

| Scale Changes | | | |
|---|---|---|---|
| Type Log | Depth | Scale Up Hole | Scale Down Hole |
| | | | |

| Equipment Data | | | |
|---|---|---|---|
| Run No. | Tool Type | Pad Type / Tool Position | Other |
| ONE | II | HYDRAULIC | |

| SPONTANEOUS POTENTIAL & CALIPER | DEPTH | RESISTIVITY Ohms m²/m |
|---|---|---|
| Millivolts (20) | | MICRO INVERSE 1" x 1" (0 – 10 – 20) |
| HOLE SIZE - INCHES (6 8 10 12 14) | | MICRO NORMAL 2" (0 – 10 – 20) |




PAN AMERICAN PETROLEUM CORP
P.C. OSTGREN #16
VOWERS
SEC 34-17N-54W
C SE NW
BANNER CO., NEBRASKA
K.B. 4673.5

MUD RESISTIVITY MEASURED WITH CLOSED MINILOG SONDE