# SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

## Electrical Log

| | |
|---|---|
| COUNTY | BANNER |
| FIELD or LOCATION | BARRETT SEC. 33-17N-56W |
| WELL | BARRETT #1-F |
| COMPANY | PAN AMERICAN PETROLEUM CORP. |

COMPANY PAN AMERICAN PETROLEUM CORP.

WELL BARRETT #1-F

FIELD BARRETT

LOCATION C NE SE 9 SEC. 33-17N-56W

COUNTY BANNER

STATE NEBRASKA

JUL 22 1959

Location of Well

Elevation: D.F. K.B. 4992 or G.L. 4983.2

FILING No.

| RUN No. | ONE | | | |
|---|---|---|---|---|
| Date | 1-4-59 | | | |
| First Reading | 6780 | | | |
| Last Reading | 503 | | | |
| Feet Measured | 6277 | | | |
| Csg. Schlum. | 503 | | | |
| Csg. Driller | 503 | | | |
| Depth Reached | 6781 | | | |
| Bottom Driller | 6782 | | | |
| Depth Datum | KB | | | |
| Mud Nat. | CHEM-GEL | | | |
| " Density | 10.1 | | | |
| " Viscosity | 108 | | | |
| " Resist. | 4.4 @ 73 °F | @ °F | @ °F | @ °F |
| " Res. BHT | .9 @ 172 °F | @ °F | @ °F | @ °F |
| " pH | 8 @ °F | @ °F | @ °F | @ °F |
| " Wtr. Loss | 9.6 CC 30 min. | CC 30 min. | CC 30 min. | CC 30 min. |
| Max. Temp. °F | 172 | | | |
| Bit Size | 7-7/8" | | | |
| Spcgs.—AM | 16" | | | |
| A M | 64" | | | |
| AO | 18' 8" | | | |
| Opr. Rig Time | 3 HOURS | | | |
| Truck No. | 2504 KIM | | | |
| Recorded By | PETTIT | | | |
| Witnessed By | MR. NAGEL | | | |

FOLD HERE

REMARKS MUD SAMPLE FROM FLOW LINE

| SPONTANEOUS-POTENTIAL millivolts | DEPTHS | RESISTIVITY -ohms. m²/m | RESISTIVITY -ohms. m²/m |
|---|---|---|---|
| − 20 + | | 0 NORMAL 50 | 0 LONG NORMAL 50 |
| | | 0 LATERAL 50 | |
| | | 0 AMPLIFIED NORMAL 10 | |

CSG. 503

FR: 6780

TD: 6781

− 20 +

| | |
|---|---|
| 0 AMPLIFIED NORMAL 10 | |
| 0 SHORT NORMAL 50 | 0 LONG NORMAL 50 |
| 0 LATERAL 50 | |

PAN AMERICAN PETR. CORP.
BARRETT #1-F
SEC. 33-17N-56W
BANNER CO., NEBR.
ELEV: 4992' K.B.

## QUANTITATIVE ANALYSIS

Below are tabulated some average values of porosity and water saturation calculated from your logs on this well. Since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of these values.

The pages from the Schlumberger Interpretation Chart Book which were used for these calculations are listed for your convenience.

| ZONE | EFFECTIVE POROSITY Φ in % | WATER SATURATION S in % | PROBABLE PRODUCTION | PAGES USED (SWSC Chart Book) |
|---|---|---|---|---|
| 6667 to 6683 | 15 | 45 | OIL | C-4; C-12; D-2 |
| 6753 to 6760 | 13 | 65 | WATER | C-4; C-12; D-2 |
| to | | | | |
| to | | | | |