# SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

## Electrical Log

FIELD PRINT

COMPANY: SHELL OIL Co.
WELL: TEST HOLE (MICHELL) No. 142-C
FIELD: W.C.
COUNTY: VERNON  STATE: MISSOURI
LOCATION: 110' W & 35½' S & NEc
Sec. 31  Twp. 35N  Rge. 33W
Other Services: —

Permanent Datum: GL, Elev. 818
Log Measured From: GL, — Ft. Above Perm. Datum
Drilling Measured From: GL
Elev.: K.B. —  D.F. —  G.L. 818

| | | | |
|---|---|---|---|
| Date | 8-21-63 | | |
| Run No. | ONE | | |
| Depth—Driller | 300 | | |
| Depth—Logger | 301 | | |
| Btm. Log Interval | 300 | | |
| Top Log Interval | 20 | | |
| Casing—Driller | — @ — | @ | @ |
| Casing—Logger | — | | |
| Bit Size | 4 3/4 | | |
| Type Fluid in Hole | NATIVE | | |
| Dens. \| Visc. | — \| — | | |
| pH \| Fluid Loss | — \| — ml | ml | ml |
| Source of Sample | FLOW LINE | | |
| $R_m$ @ Meas. Temp. | @ °F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | SEE @ °F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | REMARKS @ °F | @ °F | @ °F |
| Source: $R_{mf}$ \| $R_{mc}$ | | | |
| $R_m$ @ BHT | @ °F | @ °F | @ °F |
| Time Since Circ. | 30 MIN | | |
| Max. Rec. Temp. | — °F | °F | °F |
| Equip. \| Location | Ska \| Ska | | |
| Recorded By | STULL | | |
| Witnessed By | FORSTER | | |

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 31

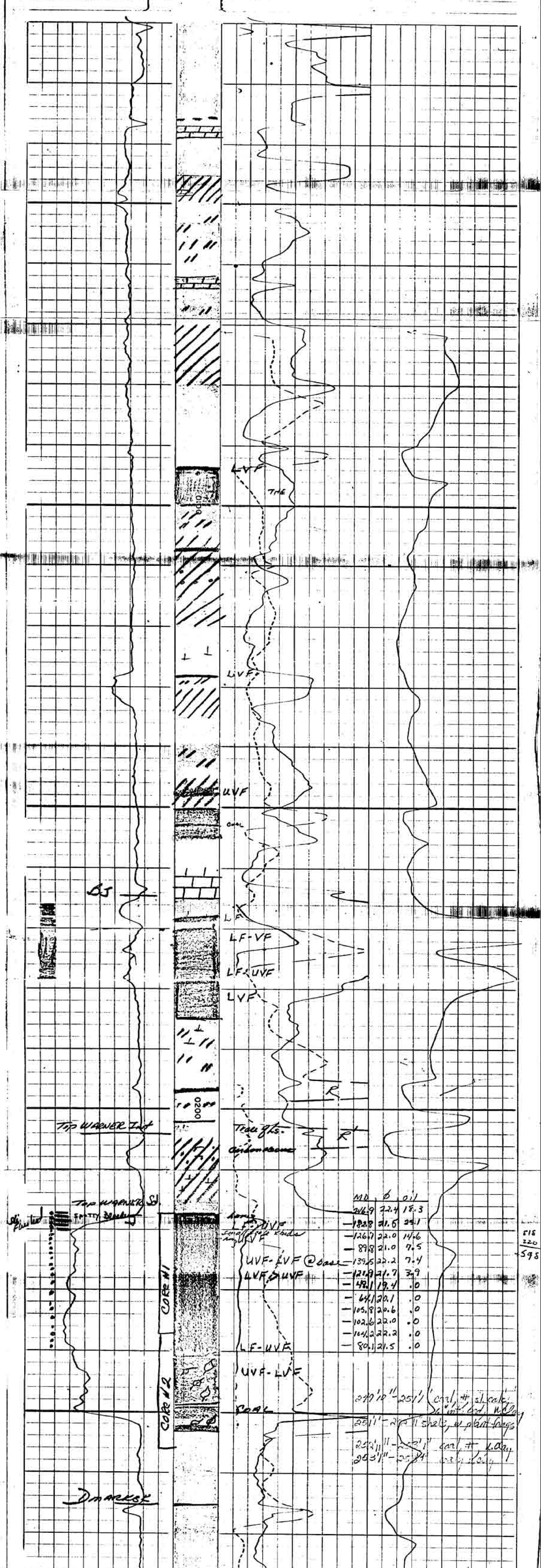
REMARKS

| Changes in Mud Type or Additional Samples | | | Scale Changes | | | |
|---|---|---|---|---|---|---|
| Date \| Sample No. | | | Type Log | Depth | Scale Up Hole | Scale Down Hole |
| Depth—Driller | | | | | | |
| Type Fluid in Hole | | | | | | |
| | | | | | | |
| Dens. \| Visc. | | | | | | |
| ph \| Fluid Loss | ml | ml | | | | |

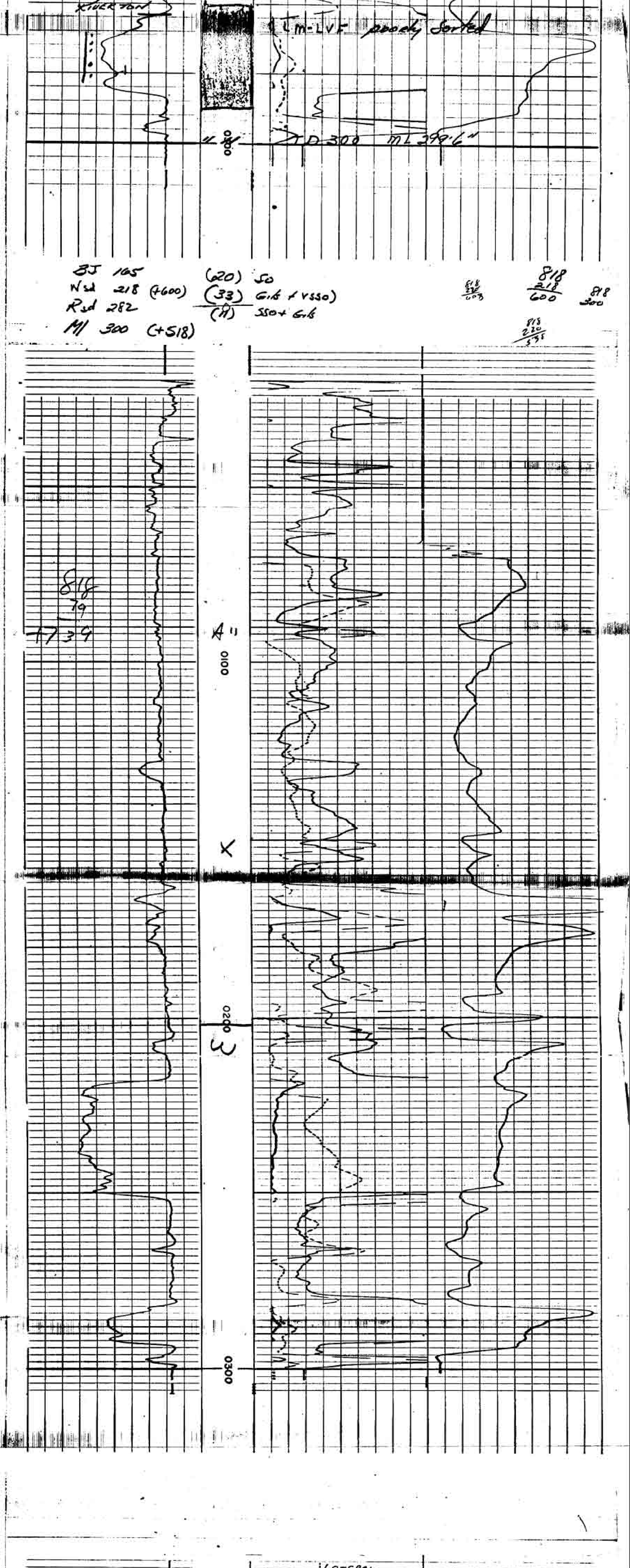
| | | | Equipment Data | | | | |
|---|---|---|---|---|---|---|---|
| Source of Sample | | | Run No. | Tool Type | Pad Type | Tool Pos. | Other |
| $R_m$ @ Meas. Temp. | @ °F | @ °F | | | | | |
| $R_{mf}$ @ Meas. Temp. | @ °F | @ °F | | | | | |
| $R_{mc}$ @ Meas. Temp. | @ °F | @ °F | | | | | |
| Source: $R_{mf}$ \| $R_{mc}$ | | | | | | | |
| $R_m$ @ BHT | @ °F | @ °F | | | | | |
| $R_{mf}$ @ BHT | @ °F | @ °F | | | | | |
| $R_{mc}$ @ BHT | @ °F | @ °F | | | | | |

| | PM | | TM | |
|---|---|---|---|---|
| | MEAS. TEMP. | BHT | MEAS. TEMP. | BHT |
| Rm | 12.62 @ 78 | 14.7 @ 67 | 12.42 @ 78 | 14.5 @ 67 |
| Rmf | 8.6 @ 78 | 10.0 @ 67 | 8.77 @ 78 | 10.2 @ 67 |
| Rmc | 12.15 @ 78 | 14.15 @ 67 | 12.0 @ 78 | 14.0 @ 67 |

| SPONTANEOUS POTENTIAL millivolts | Depths | RESISTIVITY ohms. m²/m | RESISTIVITY ohms. m²/m |
|---|---|---|---|
| 10 mV (− / +) | | SHORT NORMAL AM=8" 0–50, 0–500 | LONG NORMAL 0–50, 0–500 |
| | | 18'8" LATERAL 0–50, 0–500 | |



BS 105
NW 218 (600)
Rd 282
M 300 (+518)



LATERAL Adjust

NORMAL Adj. 5/cc=8