SCHLUMBERGER INDUCTION-ELECTRICAL LOG

R. Deas and W. Craig,
H. J. L. Stark Est. No. 1
Artificial Penetration 62

| | |
|---|---|
| COUNTY | ORANGE |
| FIELD or LOCATION | WILDCAT |
| WELL | H.J.L. STARK ESTATE #1 |
| COMPANY | RUTLEDGE DEAS - WILLIAM CRAIG |

COMPANY RUTLEDGE DEAS - WILLIAM CRAIG ET AL

WELL H. J. L. STARK ESTATE #1

FIELD WILDCAT

COUNTY ORANGE STATE TEXAS

LOCATION SE COR OF J.B.CHILDRESS SUR,TH E'LY ALG SL OF W.B.WORTHAM SUR A-414(NL OF J.WATSON SUR A-207) 1624.7';TH N'LY@ER ANGLES TO LOC

Other Services: FDC-ST-OFT

Permanent Datum: B.H.F. @ G.L., Elev. 15.0'
Log Measured From K.B., 10.0Ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 15.0'
D.F. 14.0'
EST.G.L. 5.0'

| | | | | |
|---|---|---|---|---|
| Date | 12-19-68 | | | |
| Run No. | ONE | | | |
| Depth—Driller | 8710 | | | |
| Depth—Logger | 8713 | | | |
| Btm. Log Interval | 8712 | | | |
| Top Log Interval | 1014 | | | |
| Casing—Driller | 8-5/8@1011 | @ | @ | @ |
| Casing—Logger | 1014 | | | |
| Bit Size | 7-7/8" | | | |
| Type Fluid in Hole | W/O EMUL 3% | | | |
| Dens. / Visc. | 9.7 / 45 | | | |
| pH / Fluid Loss | 8.5 / 6.6ml | ml | ml | ml |
| Source of Sample | PIT | | | |
| $R_m$ @ Meas. Temp. | 2.01 @ 70 °F | @ °F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 1.75 @ 60 °F | @ °F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | 3.00 @ 60 °F | @ °F | @ °F | @ °F |
| Source: $R_{mf}$ / $R_{mc}$ | M / M | | | |
| $R_m$ @ BHT | .88 @ 160 °F | @ °F | @ °F | @ °F |
| Time Since Circ. | 3 HOURS | | | |
| Max. Rec. Temp. | 160 °F | °F | °F | °F |
| Equip. / Location | 4558 / LIB. | | | |
| Recorded By | MINTER | | | |
| Witnessed By | MR. DEAS, MR. CRAIG, MR. NAUMANN, MR. DANA | | | |

SWS-1098-D

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

REMARKS

| Changes in Mud Type or Additional Samples | | |
|---|---|---|
| Date / Sample No. | | |
| Depth—Driller | | |
| Type Fluid in Hole | | |
| | | |
| Dens. / Visc. | | |
| ph / Fluid Loss | ml | ml |
| Source of Sample | | |
| $R_m$ @ 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 |

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

| Equipment Data | | | |
|---|---|---|---|
| Run No. | Tool Type | Tool Position | Other |
| | | | |

| | |
|---|---|
| Run No.: | ONE |
| C.D.: | NONE |
| S.O.: | NONE |
| Equip. PANEL No.: | 71 |
| Used: CART. No.: | 340 |
| SONDE No.: | 66 |
| IAP No.: | 397 |
| S.B.R.: | .5 |

Check one, filling in blanks where applicable:
[X] Surface determined sonde errors used for 6FF40.
[ ] 6FF40 sonde error corrected for ______ inch borehole signal at Rm =
[ ] 6FF40 zero set in hole at depth of ______ feet.

| SPONTANEOUS POTENTIAL millivolts | DEPTHS | RESISTIVITY ohms - m²/m | CONDUCTIVITY millimhos/m = 1000 / ohms-m²/m |
|---|---|---|---|
| − 20 + | 1"=100' | A - 16" - M SHORT NORMAL 0 … 10; 0 … 100 | 6FF40 INDUCTION 2000 … 0; 4000 … 2000 |
| | | INDUCTION 40" 0 … 10; 40" 0 … 100 | |
| | | AMP. SHORT NORMAL 0 … 2 | |
| | Casing | | |