SCHLUMBERGER WELL SURVEYING CORPORATION

COMPANY Shell Oil Co.
WELL Hb-6 (Hb-8)
FIELD Hb.
COUNTY Garfield STATE Kansas
Other Services: Dip Meter

Elev.: K.B. 3160 G.L. 3150

Permanent Datum: G.L.
Log Measured From: K.B. 10 Ft. Above Perm. Datum
Drilling Measured From: K.B.

| | | | |
|---|---|---|---|
| Date | 12-2-63 | 12-3-63 | 12-4-63 |
| Run No. | 1 | 2 | 3 |
| Depth-Driller | 1500 | 2500 | 3500 |
| Depth-Logger | 1500 | 2500 | 3500 |
| Bottom Log Interval | 1500 | 2500 | 3500 |
| Top Log Interval | 0 | 1500 | 2500 |
| Casing-Driller | 8 5/8 @ 265 | | |
| Casing-Logger | 265 | | |
| Bit Size | 7 7/8 | 7 7/8 | 7 7/8 |
| Type Fluid in Hole | Water | Water | Water |
| Viscosity | 50 | 50 | 50 |
| Density | 9.0 | 9.0 | 9.0 |
| Max. Rec. Temp. °F | 80 | 90 | 100 |
| Estimated Cement Top | Surface | | |
| Time Since Circulation | 6 hrs. | 6 hrs. | 6 hrs. |
| Time Since Last Log | | | |
| Max. Rec. Temp. °F | 80 | 90 | 100 |
| Equipment Location | Hobbs, New Mexico | | |
| Recorded by | Mc Millan | Mc Millan | Mc Millan |
| Witnessed by | Mr. Dyer | Mr. Dyer | Mr. Dyer |

Non-Standard Log

FIELD PRINT

THIS HEADING AND LOG CONFORMS TO API RP 31

REMARKS

Changes in Mud Type or Additional Samples

| Date | Sample No. | Depth |
|---|---|---|
| | | |

Type Fluid in Hole

| Density | Visc. | pH | Fluid Loss | ml | | ml |
|---|---|---|---|---|---|---|
| Max. Rec. Temp. | | | °F | | | °F |
| Est. Cement Temp. | | | °F | | | °F |
| Equip. Location | | | | | | |
| Recorded by | | | | | | |
| Witnessed by | | | | | | |

Scale Changes

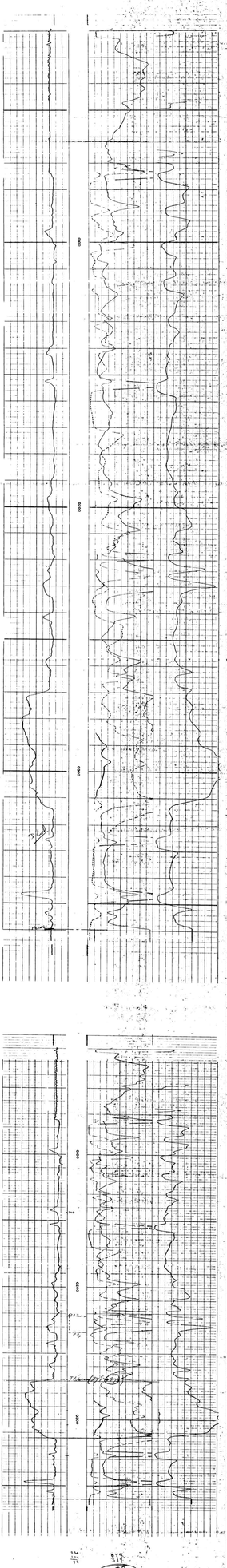
| Type Log | Depth | Scale Up Hole | Scale Down Hole |
|---|---|---|---|
| | | | |

Equipment Data

| Run No. | Tool Type | Pad Type | Tool Pos. | Tool Pos. | Other |
|---|---|---|---|---|---|
| | | | | | |

| | | | |
|---|---|---|---|
| Max. Rec. Temp. °F | | Max. Rec. Temp. °F | |
| Elev. 5.45 @ 8.5 | 4.9 @ 8.5 | 5.72 @ 8.5 | 3.99 @ 8.5 |
| Amt. 4.5 @ 8.5 | 2.9 @ 8.5 | 1.75 @ 8.5 | 7.58 @ 8.5 |
| Spac. 10 @ 8.5 | 10 @ 8.5 | 10 @ 8.5 | 10 @ 8.5 |

| SPONTANEOUS POTENTIAL millivolts | Scale | RESISTIVITY ohms. m²/m SHORT NORMAL 16" NORMAL | RESISTIVITY ohms. m²/m LONG NORMAL 64" NORMAL |
|---|---|---|---|
| | | C1 .5 C2 .5 | C1 .5 C2 .5 |
| | | 18'8" LATERAL 18' NORMAL C1 .5 C2 .5 | |

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