| | |
|---|---|
| Company | Petro-Canada |
| Well | Mashek P-1 |
| Field | Wildcat |
| County | Lea |
| State | New Mexico |
| Location | 1980' FSL & 1980' FEL |
| Sec. | 31 |
| Twp. | 16 S |
| Rge. | 37 E |
| Elevation | KB 3,723' |
| Permanent Datum | Ground Level |
| Log Measured From | KB |
| Drilling Measured From | KB |
| Date | 11/15/07 |
| Run No. | ONE |
| Depth-Driller | 12,000' |
| Depth-Logger | 12,000' |
| Bottom Log Interval | 11,990' |
| Top Log Interval | 3,500' |
| Casing-Driller | 13 3/8" @ 1,500' |
| Casing-Logger | 1,500' |
| Bit Size | 17 1/2" |
| Type Fluid in Hole | Brine |
| Density | 10.0 |
| Viscosity | 32 |
| Fluid Loss | 10.0 |
| Source of Sample | Flowline |
| Rm @ Meas. Temp. | 0.06 @ 70 |
| Rmf @ Meas. Temp. | 0.05 @ 70 |
| Rmc @ Meas. Temp. | 0.07 @ 70 |
| Source Rmf / Rmc | Calc / Calc |
| Rm @ BHT | 0.04 @ 180 |
| Time Since Circulation | 24 hrs |
| Time Since Last Log | 1 hr |
| Max. Rec. Temp. | 180 |
| Equipment Location | Hobbs |
| Recorded By | Jones / Lewis |
| Witnessed By | Mr. Hunter |

**Gamma Ray Neutron Density Dual Induction Sonic Micro Resistivity**

**Run 1 DIL-LS-DSN-GR**

5 INCH LOG: POROSITIES 5 MASHEK P3-1 11/15/07

LOG PARAMETERS

| | | | |
|---|---|---|---|
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |

CALIPER, GR, SP, CALIPER, FEET, 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, FEET

5 INCH LOG: POROSITIES 5 MASHEK P3-1 11/15/07

LOG PARAMETERS

| | | | |
|---|---|---|---|
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |

CALIPER, GR, SP, CALIPER, FEET, 0, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, FEET

5 INCH LOG: DENSITY 5 MASHEK P3-1 11/15/07

LOG PARAMETERS

| | | | |
|---|---|---|---|
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |

CALIPER, GR, SP, CALIPER, FEET, 0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 2050, 2100, 2150, 2200, 2250, 2300, 2350, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4150, 4200, 4250, 4300, 4350, 4400, 4450, 4500, 4550, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 4950, 5000, 5050, 5100, 5150, 5200, 5250, 5300, 5350, 5400, 5450, 5500, 5550, 5600, 5650, 5700, 5750, 5800, 5850, 5900, 5950, 6000, 6050, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6500, 6550, 6600, 6650, 6700, 6750, 6800, 6850, 6900, 6950, 7000, 7050, 7100, 7150, 7200, 7250, 7300, 7350, 7400, 7450, 7500, 7550, 7600, 7650, 7700, 7750, 7800, 7850, 7900, 7950, 8000, 8050, 8100, 8150, 8200, 8250, 8300, 8350, 8400, 8450, 8500, 8550, 8600, 8650, 8700, 8750, 8800, 8850, 8900, 8950, 9000, 9050, 9100, 9150, 9200, 9250, 9300, 9350, 9400, 9450, 9500, 9550, 9600, 9650, 9700, 9750, 9800, 9850, 9900, 9950, 10000, 10050, 10100, 10150, 10200, 10250, 10300, 10350, 10400, 10450, 10500, 10550, 10600, 10650, 10700, 10750, 10800, 10850, 10900, 10950, 11000, 11050, 11100, 11150, 11200, 11250, 11300, 11350, 11400, 11450, 11500, 11550, 11600, 11650, 11700, 11750, 11800, 11850, 11900, 11950, 12000, FEET

25 INCH LOG: HIGH RES. DENSITY 5 MASHEK P3-1 11/15/07

LOG PARAMETERS

| | | | |
|---|---|---|---|
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |

CALIPER, GR, SP, CALIPER, FEET, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320, 340, FEET

25 INCH LOG: HIGH RES. DENSITY 5 MASHEK P3-1 11/15/07

LOG PARAMETERS

| | | | |
|---|---|---|---|
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| ENTRY DEPTH: 3,500 | DATA FORMAT: 2 | DATA FORMAT: 2 | ENTRY DEPTH: 3,500 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |
| PRESSURE DATA: 0 | DATA SPACING: 0.5000 | DATA SPACING: 0.5000 | PRESSURE DATA: 0 |