| | |
|---|---|
| Company | Petroleum Development Corporation |
| Well | State Patterson 14-16 |
| Field | Wattenberg |
| County | Weld |
| State | Colo |

NUEX WIRELINE

GAMMA RAY / CCL
CEMENT BOND
VDL

| | |
|---|---|
| Company | Petroleum Development Corporation |
| Well | State Patterson 14-16 |
| Field | Wattenberg |
| County | Weld |
| State | Colorado |
| Location | API: 05-123-23637 Other Services: Sec. 16 Twp. 3N Rge. 65W |
| Permanent Datum | GL Elev. 4842 |
| Log Measured From | KB 12 ft above Perm. Datum |
| Drilling Measured From | KB |
| Date | 10-11-03 |
| Run Number | ONE |
| Depth Driller | 6800 |
| Depth Logger | 6798 |
| Bottom Logged Interval | 6798 |
| Top Log Interval | 3500 |
| Casing Driller | 8 5/8 @ 1000 |
| Casing Logger | 1000 |
| Bit Size | 7 7/8 |
| Type Fluid in Hole | Water |
| Density / Viscosity | 8.4 / 28 |
| PH / Fluid Loss | 10 / 6.8 |
| Source of Sample | Mud Pit |
| Rm @ Meas. Temp. | 0.7 @ 70 |
| Rmf @ Meas. Temp. | 0.6 @ 70 |
| Rmc @ Meas. Temp. | 0.9 @ 70 |
| Source: Rmf / Rmc | Measured / Calculated |
| Rm @ BHT | 0.4 @ 140 |
| Time Since Circulation | 12 hrs |
| Time Since Cement | 24 hrs |
| Max. Rec. Temp. | 140 |
| Equipment Number | 5 |
| Location | Greeley, Co |
| Recorded by | Bill Hall |
| Witnessed by | Mr. Jim Ewing |

RECEIVED
OCT 30 2003
COGCC

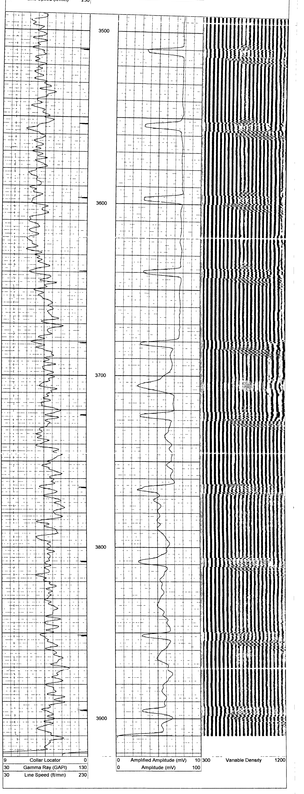
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK-YOU FOR USING "NUEX" WIRELINE SERVICES INC !!!
970 526 1084 FAX 970 526 1085

Database File pdcs1416.db
Dataset Pathname pass3
Presentation Format cbl gr
Dataset Creation Fri Sep 19 11 17 14 2003 by Log 6 2_84
Charted by: Depth in Feet scaled 1:240

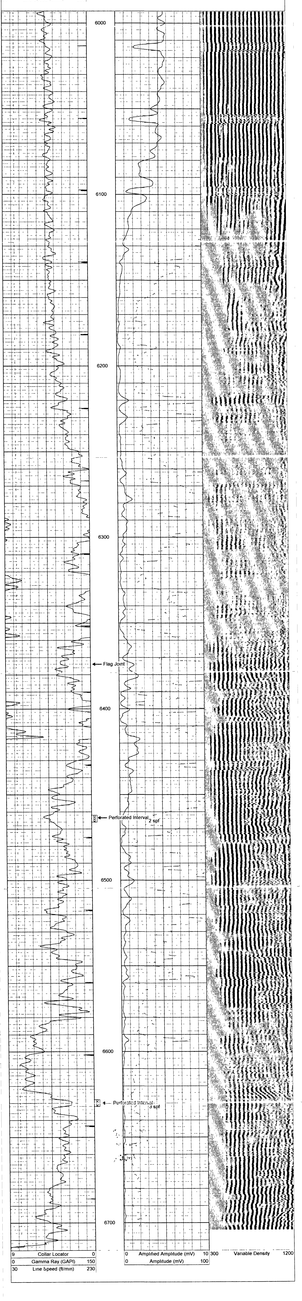
| | | | | | |
|---|---|---|---|---|---|
| 0 | Collar Locator | 0 | 0 | Amplified Amplitude (mV) 10 300 | Variable Density 1200 |
| 0 | Gamma Ray (GAPI) | 150 | 0 | Amplitude (mV) 100 | |
| 30 | Line Speed (ft/min) | 230 | | | |




| | | | | | |
|---|---|---|---|---|---|
| 0 | Collar Locator | 0 | 0 | Amplified Amplitude (mV) 10 300 | Variable Density 1200 |
| 0 | Gamma Ray (GAPI) | 150 | 0 | Amplitude (mV) 100 | |
| 30 | Line Speed (ft/min) | 230 | | | |

Database File pdcs1416.db
Dataset Pathname pass1
Presentation Format cbl gr
Dataset Creation Fri Sep 19 10 53 45 2003 by Log 6 2_84
Charted by: Depth in Feet scaled 1:240

| | | | | | |
|---|---|---|---|---|---|
| 0 | Collar Locator | 0 | 0 | Amplified Amplitude (mV) 10 300 | Variable Density 1200 |
| 0 | Gamma Ray (GAPI) | 150 | 0 | Amplitude (mV) 100 | |
| 30 | Line Speed (ft/min) | 230 | | | |




| | | | | | |
|---|---|---|---|---|---|
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| 0 | Gamma Ray (GAPI) | 150 | 0 | Amplitude (mV) 100 | |
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