PSI
PRECISION SURVEYS, INC.

HIGH RESOLUTION INDUCTION
SPHERICALLY FOCUSED
COMPENSATED NEUTRON

Company: Antelope Energy Company, LLC
Well: Vinicki #1
Field:
County: Weld
State/Province: Colorado
Location: Sec 16 T6N R64W
Elevation: 4,910 GL 4,935 KB
Permanent Datum: Ground Level
Log Measured From: KB 25 Ft Above Perm. Datum
Drilling Measured From: KB
Date: 1-Jan-10
Run Number: ONE
Depth Driller: 7,240 Ft
Depth Logger: 7,240 Ft
Bottom Logged Interval: 7,240 Ft
Top Logged Interval: 6,900 Ft
Casing Driller: 7.000 @ 6,900 Ft
Casing Logger: 6,900 Ft
Bit Size: 6.125 In
Type Fluid in Hole: Water
Density: 8.4 LB/G
Viscosity: 28 S
PH: 7.0
Fluid Loss: 0 C3
Source of Sample:
Rm @ Measured Temp: 0.1 @ 70 °F
Rmf @ Measured Temp: 0.1 @ 70 °F
Rmc @ Measured Temp: 0.1 @ 70 °F
Source of Rmf and Rmc: Calculated
Rm @ BHT: 0.1 @ 70 °F
Time Since Circulation: 1 Hours
Max Rec Temp: 70 °F
Equipment Number: 1
Location: Greeley
Recorded By: Brian
Witnessed By: Mr. Antelope

| Run | Bit | From | To | Size | Wt | Grade | Thread |
|---|---|---|---|---|---|---|---|
| ONE | | Surface | 6,900 | 7.000 | 23.00 | J-55 | LTC |
| | | 6,900 | 7,240 | 6.125 | | | |

| Tool String # | Type | OD | Length | Wt | Position |
|---|---|---|---|---|---|
| 1 | Gamma Ray | 1.69 | 10.00 | 10.00 | 1 |
| | Cable Head | 1.69 | 1.00 | 11.00 | 2 |
| | Spectral Density | 3.63 | 6.00 | 17.00 | 3 |
| | Dual Induction | 3.63 | 6.00 | 23.00 | 4 |
| | Compensated Neutron | 3.63 | 6.00 | 29.00 | 5 |

| Run | Service Order | Tool String # | Type Log | Depth Driller | Depth Logger | Bottom Logged Interval | Top Logged Interval | Casing Driller | Casing Logger | Bit Size |
|---|---|---|---|---|---|---|---|---|---|---|
| ONE | | 1 | Main Pass | 7,240 | 7,240 | 7,240 | 6,900 | 7.000 @ 6,900 | 6,900 | 6.125 |

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 accept in the case of gross or willful negligence on our part any losses or responsibility 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:

Annular volume calculated for 7.0" casing
Excel Drilling Rig 1
Thank you for using Process Surveys.
API # 05-123-32480-00

Database File: 11362.db
Dataset Pathname: final
Presentation Format: ind1
Dataset Creation: Mon Jan 10 16:26:24 2011
Charted by: Depth in Feet scaled 1:240

Header curves: Density Caliper (in) 16 to 6; Gamma Ray (GAPI) 150 to 0; SP (mV) 100 to -100; ABAM (lb/h) 1000 to 0; Deep Resistivity (Ohm-m) 200 to 2; Medium Resistivity (Ohm-m) 200 to 2; Shallow Resistivity (Ohm-m) 200 to 2; Rt (Ohm-m) 200 to 2; Density Porosity (pu) 0 to 30; Neutron Porosity (pu) 30 to 0

3500 3550 3600 3650 3700 3750 3800 3850 3900 3950 4000

2.85 SS Matrix

Database File: 11362.db
Dataset Pathname: final
Presentation Format: ind1
Dataset Creation: Mon Jan 10 16:36:19 2011
Charted by: Depth in Feet scaled 1:240

Header curves: Caliper (in) 16 to 6; Gamma Ray (GAPI) 200 to 0; SP (mV) 200 to -200; Deep Resistivity (Ohm-m) 200 to 2; Medium Resistivity (Ohm-m) 200 to 2; Shallow Resistivity (Ohm-m) 200 to 2; Rt (Ohm-m) 200 to 2; Density Porosity (pu) 0 to 30; Neutron Porosity (pu) 30 to 0

6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300

2.71 LS Matrix

2.65 SS Matrix

Matrix Change @ 6750

2.71 LS Matrix

2.65 SS Matrix

Matrix Change @ 7000

2.65 SS Matrix

Caliper (in)
Gamma Ray (GAPI)
SP (mV)
Density Porosity
Neutron Porosity
Deep Resistivity
Medium Resistivity
Shallow Resistivity
Rt
Loggers TD: 7,241