PSI

PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray - CCL - VDL

Company	Rosetta Resources Operating, LP
Well	KGA 17-07
Field	Eckley
County	Yuma
State	Colorado

Company: Rosetta Resources Operating, LP
Well: KGA 17-07
Field: Eckley
County: Yuma
State: Colorado
Location: API #: 05-125-11669-00
Other Services: CBL
Permanent Datum: Ground Level
Elevation: 3980 ft
Log Measured From: Kelly Bushing
Drilling Measured From: Kelly Bushing
Date: 18-JUN-10
Run Number: ONE
Depth Driller: 2784 ft
Depth Logger: 2784 ft
Bottom Logged Interval: 2784 ft
Top Logged Interval: 2210 ft
Casing Driller Size: 4.5 in @ 2784 ft
Casing Logger Size: 4.5 in @ 2784 ft
Bit Size: 3.875 in
Type Fluid in Hole: Water
Density: 8.33 lbm/gal
Viscosity: 28 s/qt
PH: 7
Fluid Loss: 0 cc
Source of Sample: Flowline
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 Circulation Stopped: 0400
Time Logger on Bottom: 0900
Maximum Recorded Temperature: 70 °F
Equipment Number: 1134
Location: 2SW-7N-43W-6
Recorded By: Jeff Bunting
Witnessed By: Mr. Rosetta

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 to the case of gross or willful 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

Depth Ref to PSI Tripple Combo Log dated 18-JUN-2010.
Run CBL from TD to 200' above cement top.
Perforate 2584-2594 @ 4 SPF, 10' NET, 40 Shots,
using Titan 16gm, 0.40"EHD, 40.80"PENE, 120deg phasing.
API# 05-125-11669-00
Thank you for using Phoenix Surveys!!

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STHDRO Standard Cable Head	1.00	1.69	1.00
			SDSCENT Centralizer	2.67	2.75	24.00
WVF3	12.04		CBL-Probe (050215)	8.75	2.75	93.00
WVF5	11.04					
			SDSCENT Centralizer	2.67	2.75	24.00
CCL	3.63					
GR	0.90		GR_CCL-ISDS (IDDSSEMO) GR/CCL (IDDSSEMO1001)	4.92	2.75	60.00

Dataset: rosetta_kga_17-07.dlis: field\field\run1\pass2
Total Length: 20.41 ft
Total Weight: 253.00 lb
O.D: 2.75 in

Database File: rosetta_kga_17-07.dlis
Dataset Name: Pass 2
Presentation Format: cbl_pf
Dataset Creation: Sat Jun 19 11:32:16 2010 by Log Std Cesedhole 09001
Charted by: Depth in Feet scaled 1:240

324	Travel Time (usec)	225
N	CCL	Y
0	GR (GAPI)	300

0	Amplified Amplitude (mV)	20.000
0	Amplitude (mV)	100

Variable Density: 1200

Est. Top of Cement

Flag Joint

Casing - Shoe

Amplified Amplitude

Gamma Ray

Travel Time

Amplitude

Variable Density

Total Depth @ 2790'

324	Travel Time (usec)	225
N	CCL	Y
0	GR (GAPI)	300

0	Amplified Amplitude (mV)	20.000
0	Amplitude (mV)	100

Variable Density: 1200