PSI
PRECISION SURVEY, INC.

Cement Bond Log
Gamma Ray - CCL - VDL

Company: Rosetta Resources Operating, LP
Well: Weigel 29-12
Field: Republican
County: Yuma
State: Colorado
Location:

Company: Rosetta Resources Operating, LP
Well: Weigel 29-12
Field: Republican
County: Yuma
State: Colorado
Location: 1920' FSL,687' FWL
API #: 05-125-11770-00
Other Services: Dual Induction, Density Neutron, Cement Bond Log
Permanent Datum: GROUND LEVEL
Elevation: 3930
Log Measured From: KB
Drilling Measured From: KB
Elev.: K.B. 3942, D.F. 3941, G.L. 3930
Date: 21-Apr-10
Run No.: ONE
Depth-Driller: 2722
Depth-Logger: 2722
Bottom Logged Interval: 2722
Top Logged Interval: 1700
Casing-Driller: 4.5 @ 2722
Casing-Logger: 2722
Bit Size: 7.875
Type Fluid in Hole: WATER
Density / Viscosity: 8.4
PH / Fluid Loss: 7
Source of Sample: FLOWLINE
Rm @ Meas. Temp.: 0.2 @ 70
Rmf @ Meas. Temp.: 0.16 @ 70
Rmc @ Meas. Temp.: 0.3 @ 70
Source of Rmf / Rmc: MEAS
Rm @ BHT: 0.12 @ 120
Time Since Circulation: 4 HRS
Max. Rec. Temperature: 120
Equipment / Location: 1000 / PUEBLO
Recorded By: J. MARTIN
Witnessed By: MARK

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

Depth Ref to PSI Tripple Combo Log dated 2-Apr-2010.
Run CBL from TD to 200' above cement top.
Perforate 2334-2344 @ 4 SPF, 10° NET, 40 Shots,
using Titan 19gm, 0.40"EHD, 40.69"PENE, 120deg phasing.
AFE# 05-125-11770-00
Thank you for using Phoenix Surveys!!

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STHERD Standard Cable Head	1.00	1.69	1.00
			SDSCENT Centralizer	2.87	2.75	24.00
WVF3	12.04		CBL-Probe (050215)	8.75	2.75	93.00
WVF5	11.04					
			SDSCENT Centralizer	2.87	2.75	24.00
CCL	3.63					
GR	0.90		GR_CCL-6DS (SDSSEMC) GR/CCL cbl-6ds(75 bm)	4.92	2.75	60.00

Dataset: rosetta_weigel_29-12.db: field\well\run1\pass2
Total Length: 20.41 ft
Total Weight: 202.00 lb
O.D.: 2.75 in

Database File: rosetta_weigel_29-12.db
Dataset Pathname: run1\pass2
Presentation Format: cbl_pr
Dataset Creation: Wed Apr 21 14:18:29 2010 by Log Std Casedhole 09001
Charted by: Depth in Feet scaled 1:240

324	Travel Time (usec)	225
0	CCL	+1
0	GR (GAPI)	300

0	Amplified Amplitude (mV)	20,000	Variable Density	1200
0	Amplitude (mV)	100		

1600
1700
1800
1900
2000
2100
2200
2300
2400
2500

Est. Top of Cement
Flag Joint
Gamma Ray
Casing Collars
Amplitude
Amplitude
Travel Time
Total Depth 2695'

324	Travel Time (usec)	225
0	CCL	+1
0	GR (GAPI)	300

0	Amplified Amplitude (mV)	20,000	Variable Density	1200
0	Amplitude (mV)	100		