Company	Swift Energy Operating
Well	Waters 34-12-32 #1H
Field	Wildcat
County	La Plata
State	Colorado

BASIN WELL LOGGING
PERFORATING - WIRELINE SERVICES

CEMENT BOND LOG W/GAMMA RAY,VDL & CASING COLLARS

Company Swift Energy Operating
Well Waters 34-12-32 #1H
Field Wildcat
County La Plata State Colorado
Location: API # : 05067098700
1399' FNL & 235' FWL
SEC 32 TWP 34N RGE 12W

Other Services

Permanent Datum Ground Level Elevation 6907'
Log Measured From K.B.14.5"
Drilling Measured From KELLY BUSHINGS

Elevation
K.B. 6921.5'
D.F. 6920.5'
G.L. 6907'

Date	09-10-2013
Run Number	ONE
Depth Driller	1410'
Depth Logger	1345'
Bottom Logged Interval	1342'
Top Log Interval	SURF.
Open Hole Size	12.25"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	SEE LOG
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	T-115
Location	FARMINGTON,NM
Recorded By	JOHNNY VALDEZ
Witnessed By	Donnie Nowlin

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8"	36#J-55	SURF.	1410'
Prot. String				
Production String				
Liner				

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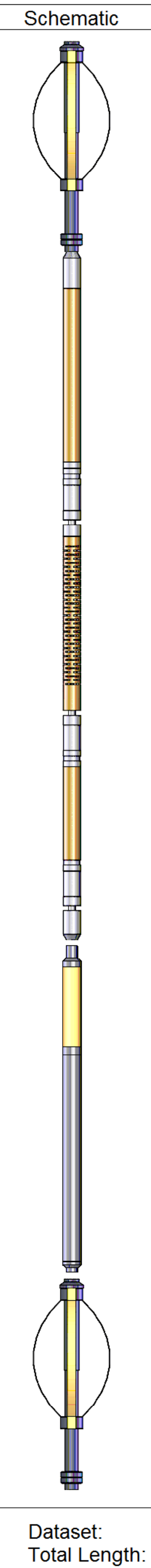
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
Headvolt	15.33					
WVF3	12.50		CBL-Digital (Dig275)	9.17	2.75	100.00
WVF5	11.58					
CCL	7.00					
GR	5.83		GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.50	2.75	30.00
			PTS275	2.83	2.75	

Dataset: waters34-12-32#1h.db: field/well/run1/pas6
Total Length: 19.33 ft
Total Weight: 130.00 lb
O.D. 2.75 in

Database File: waters34-12-32#1h.db
Dataset Pathname: pas6
Presentation Format: cbl_drs
Dataset Creation: Wed Sep 11 09:04:45 2013 by Calc SCH 120126
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200	LTEN	1200 TT3 (usec) 200	200 Variable Density 1200
405 Travel Time (usec) 305	0 (lb) 2500	0 Amplitude (mV) 100	
-9 CCL 1		0 Amplified Amplitude (mV) 20	

0 Gamma Ray (GAPI) 200	LTEN	1200 TT3 (usec) 200	200 Variable Density 1200
405 Travel Time (usec) 305	0 (lb) 2500	0 Amplitude (mV) 100	
-9 CCL 1		0 Amplified Amplitude (mV) 20	

Calibration Report

Database File: waters34-12-32#1h.db
Dataset Pathname: pas6
Dataset Creation: Wed Sep 11 09:04:45 2013 by Calc SCH 120126

Gamma Ray Calibration Report

Serial Number:	275	
Tool Model:	Probe	
Performed:	Fri Jul 27 11:06:10 2012	
Calibrator Value:	146.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	150.0	cps
Sensitivity:	1.2500	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	Dig275		
Tool Model:	Digital		
Performed:	Wed Sep 11 08:26:10 2013		
Depth:	49.7083	ft	
Casing Diameter:	9.625	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.25	0	mV
Calibrated Amplitude:	51.2799	51.2799	mV
Reading at Signal Zero:	0.00812988	0.0137451	V
Reading in Free Pipe:	2.17473	2.39092	V
Gain:	23.553	21.5718	
Offset:	0.0585171	-0.296506	