CEMENT BOND LOG
GAMMA / RAY
CCL

LONE WOLF Wireline, Inc

Company	WPX ENERGY
Well	KP 523-21
Field	KOKOPELLI
County	GARFIELD
State	COLORADO

Company WPX ENERGY
Well KP 523-21
Field KOKOPELLI
County GARFIELD State COLORADO

Location: API # : 05045202670000
SHL:1507' FSL & 2158' FEL
BHL:1557' FSL & 1993' FEL
SEC 21 TWP 6S RGE 91W

Other Services: NONE

Permanent Datum GROUND LEVEL Elevation 6969'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation: K.B. 6992', D.F. 6991', G.L. 6969'

Date	27-JULY-2012
Run Number	ONE
Depth Driller	8090'
Depth Logger	1800'
Bottom Logged Interval	1800'
Top Log Interval	900'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	N/A
Time Well Ready	ROA.
Time Logger on Bottom	N/A
Equipment Number	136
Location	GRAND JUNCTION
Recorded By	R.RODRIGUEZ
Witnessed By	J.BRADY

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

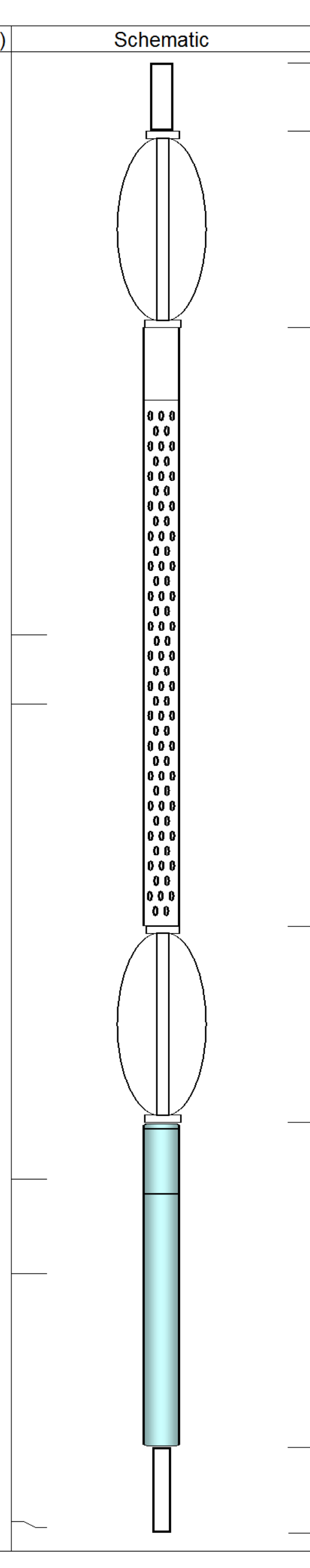
Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	11.6#		
Liner				

<<< Fold Here >>>

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

LOG NOT CORRELATED TO ANY OTHER LOG



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		None	1.00	1.69	10.00
		Probe	2.86	2.75	40.00
WVF3 WVF5	13.11 12.11	CBL-Probe275Digital (5.5dig040201) Digital 3' 5' CBL Move voltage to +/- 150 for cal mode	8.75	2.75	92.00
		Probe	2.86	2.75	40.00
CCL GR	5.17 3.79	GR-Probe275dig (pr050806) Probe Digital Gamma CCL	4.75	2.75	57.00
TEMP	0.08	TEMP-1.375TEMP (060110) Temperature Tool	1.25	1.38	30.00

Dataset:	kp523-21.db: field/well/run1/pass7
Total Length:	21.47 ft
Total Weight:	269.00 lb
O.D.	2.75 in

Calibration Report

Database File: kp523-21.db
Dataset Pathname: pass7
Dataset Creation: Fri Jul 27 13:21:23 2012 by Log SCH 120430

Temperature Calibration Report

Serial Number: 060110
Tool Model: 1.375TEMP
Performed: Fri Jan 06 09:27:03 2012

	Reference	Reading
Low Reference:	10.00 degF	100.00 cps
High Reference:	100.00 degF	1000.00cps

Gain: 0.10
Offset: 0.00
Delta Spacing 1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / pr050806

SHOP CALIBRATION Tue Nov 01 09:40:24 2005

	Counts/Sec.	Gain	Offset	Jig	Units
Background	79.3				cps
Calibrator	459.5				cps
		0.6312			GAPI/cps

PRIMARY VERIFICATION Tue Nov 01 09:43:28 2005

Background	48.3		cps
Calibrator	288.5		cps
Difference		240.2	GAPI

BEFORE SURVEY VERIFICATION Tue Nov 01 09:47:53 2005

Background	47.8		cps
Calibrator	290.6		cps
Difference		242.8	GAPI

AFTER SURVEY VERIFICATION Tue Nov 01 14:24:17 2005

Background	35.8		cps
Calibrator	286.1		cps
Difference		250.2	GAPI

Cement Bond Log Calibration Report

Serial Number: 5.5dig040201
Tool Model: Probe275Digital
Performed: Fri Jul 27 13:15:40 2012

Depth: 524.249 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	82	82	mV
Reading at Signal Zero:	0.00185547	0.0026123	V
Reading in Free Pipe:	0.253882	0.215063	V
Gain:	321.395	385.971	
Offset:	0.403662	-1.00827	

LONE WOLF Wireline, Inc

MAIN PASS 0 PSI.

Database File: kp523-21.db
Dataset Pathname: pass7
Presentation Format: _cbldig
Dataset Creation: Fri Jul 27 13:21:23 2012 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

LONE WOLF Wireline, Inc

Company	WPX ENERGY
Well	KP 523-21
Field	KOKOPELLI
County	GARFIELD
State	COLORADO