PHOENIX SURVEYS, INC.

V.D.L. C.C.L. GAMMA RAY CEMENT BOND LOG

Company CONTINENTAL RESOURCES
Well BUCHNER 1-2H
Field CROW
County WELD
State COLORADO

Company CONTINENTAL RESOURCES
Well BUCHNER 1-2H
Field CROW
County WELD State COLORADO
Location: API # :
SEC 2 TWP 7N RGE 60W
Other Services

Permanent Datum GL Elevation
Log Measured From KB
Drilling Measured From KB

Elevation
K.B.
D.F.
G.L.

Date	MARCH 11, 2012
Run Number	ONE
Depth Driller	N/A
Depth Logger	6340'
Bottom Logged Interval	6340'
Top Log Interval	200'
Open Hole Size	N/A
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	N/A
Estimated Cement Top	N/A
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	ONE
Location	FORT MORGAN
Recorded By	RANDY AZEVEDO
Witnessed By	

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				
Liner				

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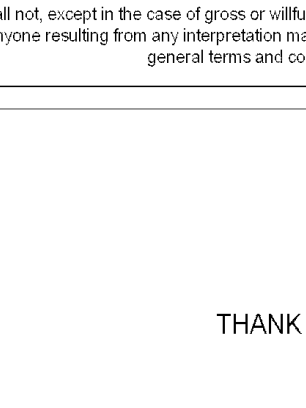
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

SO# 202363
THANK YOU FOR USING P.S.I.

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.31		CCL-titan01 (01t)	1.92	2.75	
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3 WVF5	10.92 9.92		CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.75	2.75	60.00
			SDSCENT Centralizer for testing	3.00	3.25	20.00
GR	1.13		GR-probe 2.75 (51013)	3.67	2.75	100.00

Dataset: 3-11-12 cont.db: field/well/run1/pass3
Total Length: 20.33 ft
Total Weight: 200.00 lb
O.D. 3.25 in

Database File: 3-11-12 cont.db
Dataset Pathname: pass3
Presentation Format: cbl_dr
Dataset Creation: Sun Mar 11 19:41:17 2012 by Log SCH 110722
Charted by: Depth in Feet scaled 1:240

9 Collar Locator -1	LTEN	0 Amplified Amplitude (mV) 30	200 Variable Density 1200
0 Gamma Ray (GAPI) 200	0 (lb)2000	0 Amplitude (mV) 100	

3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
5000
5050
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550
5600
5650
5700
5750
5800
5850
5900
5950
6000
6050
6100
6150
6200
6250
6300
Amplified Amplitude
Gamma Ray
Casing Collars
Amplitude
Line Tension
9 Collar Locator -1
0 Gamma Ray (GAPI) 200
LTEN
0 (lb) 2000
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200