SUPERIOR
WELL SERVICES

Gamma Ray, Cement Bond, Variable Density, CCL

Company	Noble Energy
Well	Dom Red X20-02D
Field	Wattenberg
County	Weld
State	Colo

Company Noble Energy
Well Dom Red X20-02D
Field Wattenberg
County Weld State Colo
Location: Sec 20 Twp 2N Rge 65W
SE/NW
Log Not Corrected

Other Services
API 0512316391

Permanent Datum
Log Measured From
Drilling Measured From
Elevation

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

Date	5-2-13
Run Number	one
Depth Driller	8103
Depth Logger	5112
Bottom Logged Interval	5111
Top Log Interval	surface
Fluid Level	full
Type Fluid	mud/water
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	3342
Location	
Recorded By	Chuck Briggs
Witnessed By	Scot Trumble

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	3.5	12.95	surface	8095
Liner				

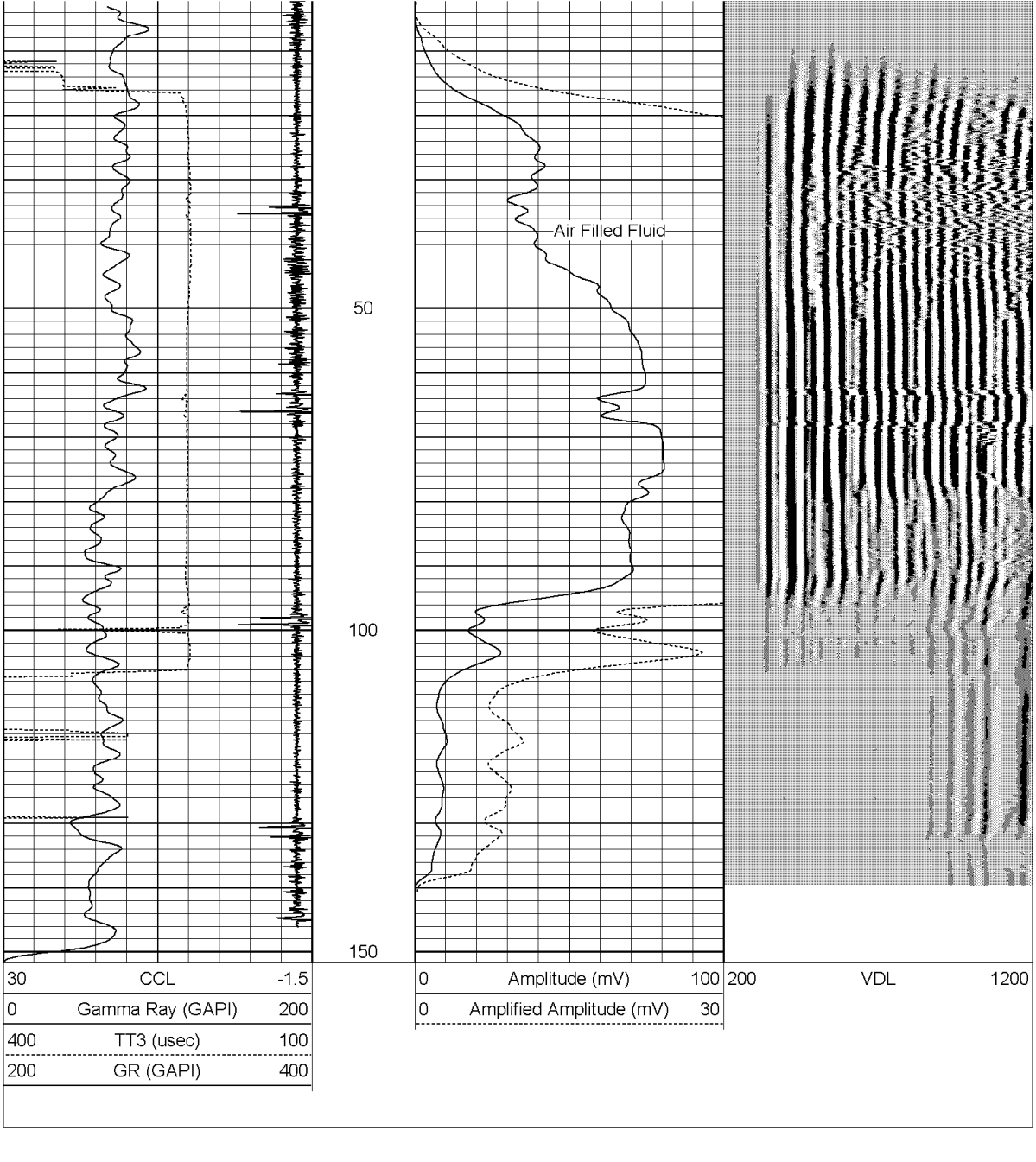
<<< Fold Here >>>

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

Database File: scottcbl.db
Dataset Pathname: pass10
Presentation Format: bond
Dataset Creation: Thu May 02 10:39:19 2013 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

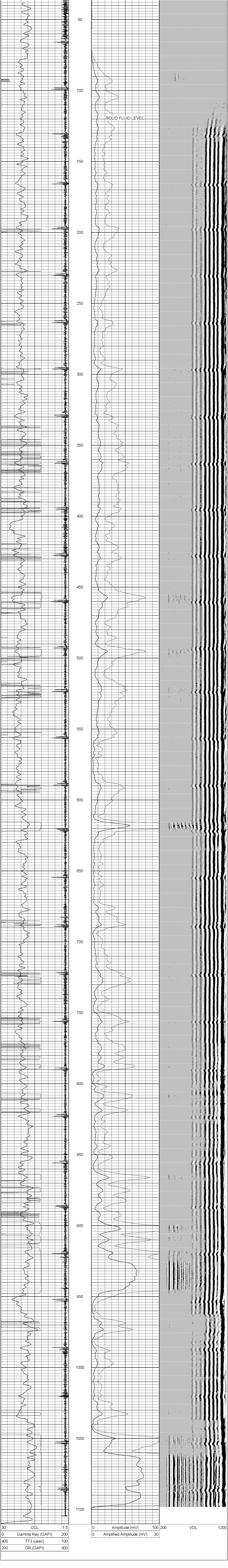
30	CCL	-1.5	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30			
400	TT3 (usec)	100						
200	GR (GAPI)	400						



30	CCL	-1.5	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30			
400	TT3 (usec)	100						
200	GR (GAPI)	400						

Database File: scottcbl.db
Dataset Pathname: pass9
Presentation Format: bond
Dataset Creation: Thu May 02 10:16:52 2013 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

30	CCL	-1.5	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30			
400	TT3 (usec)	100						
200	GR (GAPI)	400						



30	CCL	-1.5	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30			
400	TT3 (usec)	100						
200	GR (GAPI)	400						

Database File: scottcbl.db
Dataset Pathname: pass8
Presentation Format: bond
Dataset Creation: Thu May 02 09:29:00 2013 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

30	CCL	-1.5	0	Amplitude (mV)	100	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	30			
400	TT3 (usec)	100						
200	GR (GAPI)	400						

3500
3550
3600
3650
3700
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
30 CCL -1.5
0 Gamma Ray (GAPI) 200
400 TT3 (usec) 100
200 GR (GAPI) 400
0 Amplitude (mV) 100
0 Amplified Amplitude (mV) 30
200 VDL 1200