CORNISH
WIRELINE SERVICES, INC.
CHANUTE, KANSAS

GAMMA RAY
NEUTRON
CEMENT BOND
COMPLETION LOG

Company ENCORE NATURAL
Well HATCH #I-2
Field FOREST CITY COAL GAS AREA
County COFFEY
State KANSAS

Company ENCORE NATURAL RESOURCES, LLC.
Well HATCH #I-2
Field FOREST CITY COAL GAS AREA
County COFFEY State KANSAS

Location: API # : 15-031-23893-00-00
4232' FSL & 1657' FEL
SW SE NW NE
SEC 2 TWP 22S RGE 13E

Other Services

Permanent Datum GL Elevation 1133' EST.
Log Measured From GL
Drilling Measured From GL

Elevation
K.B.
D.F.
G.L. 1133' EST.

Date	7-09-2014		
Run Number	1 NW		
Depth Driller	1605'		
Depth Logger	1595.2'		
Top Log Interval	0		
Bottom Logged Interval	1595.2'		
Fluid Level	FULL		
Type Fluid	WATER		
Production Casing	4.5" @ TD	@	@
Max. Recorded Temp.			
Estimated Cement Top			
Calculated Cement Top			
Amount & Type Cement			
Amount & Type Admix			
Drilling Contractor			
Equipment Number	105		
Location			
Recorded By	GORMLEY, R.		
Witnessed By	LORENZ, B.		

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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

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			GR-TITAN_169 (1.69TTGRN) Titan 1 11/16" Gamma Ray	3.82	1.69	17.99
GR	7.17					
			CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
CCL	5.05					
			NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00
NEU	0.63					

Dataset: hatch # i-2.db: field/well/run1/pass1
Total Length: 9.99 ft
Total Weight: 45.49 lb
O.D. 1.69 in

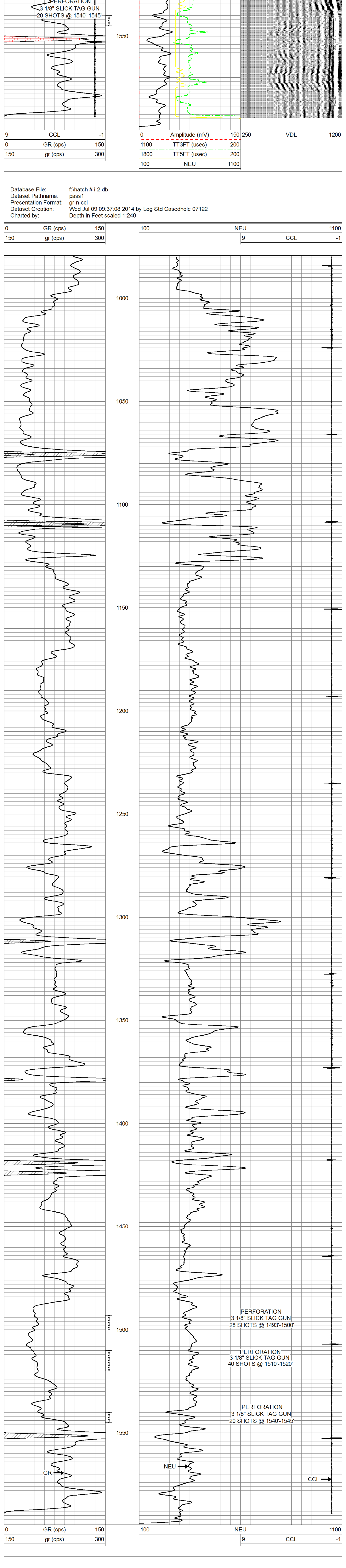
Database File: f:\hatch # i-2.db
Dataset Pathname: pass2MERGE
Presentation Format: scbl_dr
Dataset Creation: Thu Jul 10 11:12:03 2014
Charted by: Depth in Feet scaled 1:240

9	CCL	-1	0	Amplitude (mV)	150	250	VDL	1200
0	GR (cps)	150	1100	TT3FT (usec)	200			
150	gr (cps)	300	1800	TT5FT (usec)	200			
			100	NEU	1100			

9	CCL	-1	0	Amplitude (mV)	150	250	VDL	1200
0	GR (cps)	150	1100	TT3FT (usec)	200			
150	gr (cps)	300	1800	TT5FT (usec)	200			
			100	NEU	1100			

Database File: f:\hatch # i-2.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Wed Jul 09 09:37:08 2014 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

0	GR (cps)	150	100	NEU	1100
150	gr (cps)	300	9	CCL	-1



0	GR (cps)	150	100	NEU	1100
150	gr (cps)	300	9	CCL	-1

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State KANSAS Date 7-09-2014