J-W WIRELINE COMPANY

PULSED NEUTRON PROCESSED LOG

Company EAST CHEYENNE GAS STORAGE
Well STATE 1-36L (WP-M001)
Field WEST PEETZ
County LOGAN State COLORADO

Location: API # : 05-075-08197
SEC 36 TWP 12 N RGE 53 W

Other Services

Permanent Datum GORUND LEVEL Elevation 4544
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4549
D.F. 4548
G.L. 4544

Date	04-JAN-2013		
Run Number	ONE		
Depth Driller	5351		
Depth Logger	5202		
Bottom Logged Interval	5190		
Top Log Interval	100		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	----		
Max. Recorded Temp.	191		
Estimated Cement Top	NA		
Time Well Ready	ROA		
Time Logger on Bottom	0815		
Equipment Number	2829/29014		
Location	STERLING		
Recorded By	JIM McKIE		
Witnessed By	MR. GARY OHLMAN		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625	24	SURFACE	126
Prot. String				
Production String	5.5	15.36	SURFACE	TOTAL DEPTH
Liner				
Tubing	2.375	4.7	SURFACE	5202

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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

LOG CORRELATED TO CBL DATED 21-JUL-2010
TUBING RECORDS UNCLEAR, BUT APPEARS THAT ENTIRE LOG IS RUN THRU TUBING.
FLUID LEVEL 315'

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PNN Processed Log

Database File: c:\warrior\data\state1-36\state1-36_pnn_main_net_pnn_field_processed_log.db
Dataset Pathname: PNN/Proc
Presentation Format: pnnpr_jw
Dataset Creation: Wed Feb 06 03:31:12 2013
Charted by: Depth in Feet scaled 1:240

0 GRPNN 150	TEMPF 50 200 CCL 3000 100	60 SIGMA 0 45 PNN Ratio Porosity -15	2000 SSN 0 420 LSN 20

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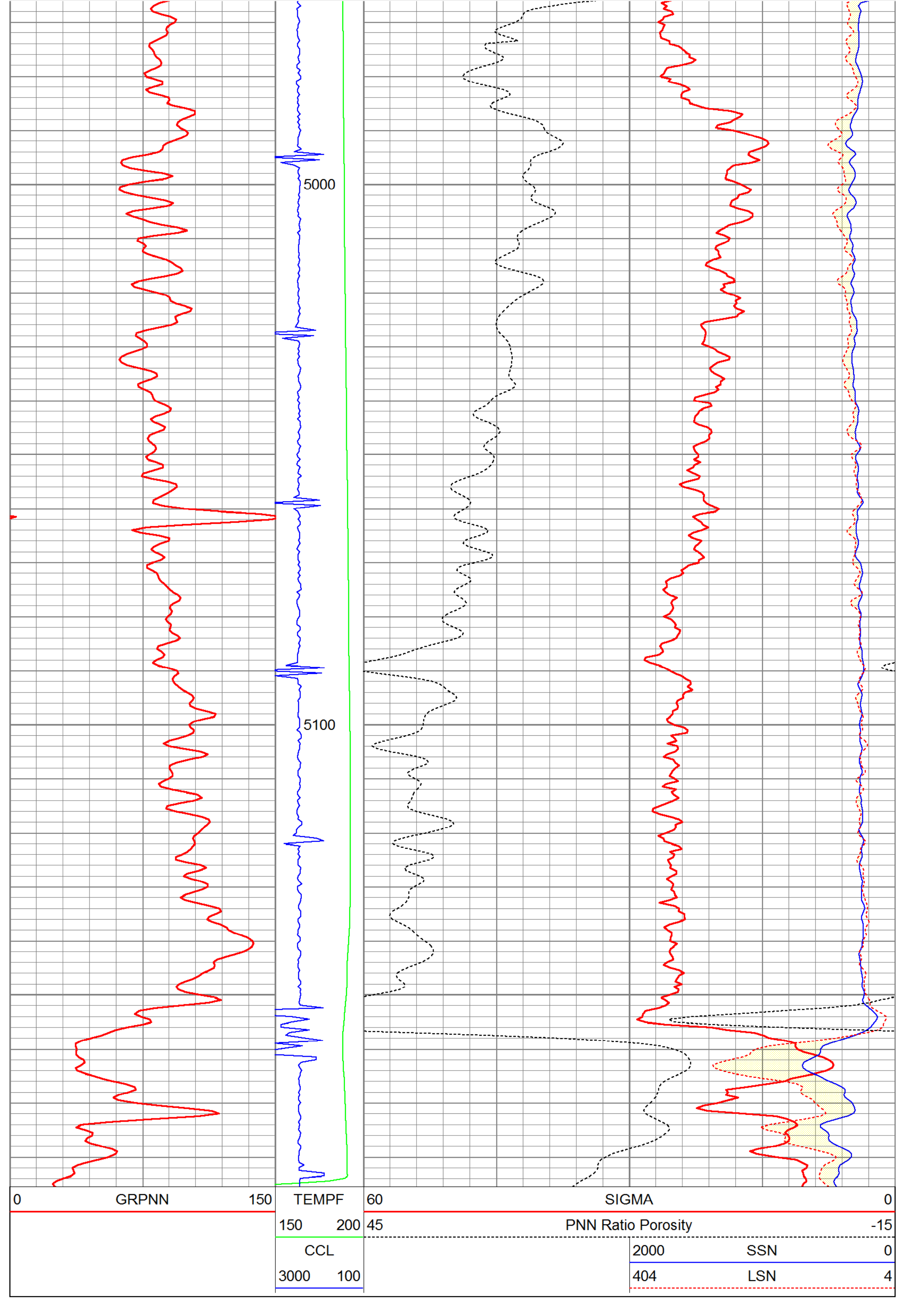
PNN Processed Log Repeat

Database File:	c:\warrior\data\state1-36\state1-36_pnn_repeat_net_pnn_field_processed_log.db
Dataset Pathname:	PNN/Proc
Presentation Format:	pnnpr_jw
Dataset Creation:	Wed Feb 06 09:31:48 2013
Charted by:	Depth in Feet scaled 1:240

0 GRPNN 150	TEMPF 150 200 CCL 3000 100	60 SIGMA 0 45 PNN Ratio Porosity -15	2000 SSN 0 404 LSN 4



0 GRPNN 150	TEMPF 150 200 CCL 3000 100	60 SIGMA 0 45 PNN Ratio Porosity -15	2000 SSN 0 404 LSN 4