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		<b>Log</b>	
<b>Company</b> Pioneer Natural Resources <b>Well</b> Gus 13-18 TR <b>Field</b> Purgatoire River <b>County</b> Las Animas <b>State</b> CO		<b>Company</b> Pioneer Natural Resources <b>Well</b> Gus 13-18 TR <b>Field</b> Purgatoire River <b>County</b> Las Animas <b>State</b> CO	
<b>Location:</b> APT #: 05-017-0979-0000 SEC: 18 Twp: 32s RGE: 65w NMSW CDNL		<b>One Services</b> CDNL	
<b>Permenant Datum</b> Log Measured From <b>Drilling Measured From</b>		<b>Elevation</b> K.B. 7208 G.L. 7304	
<b>Date</b> 23 April 11		<b>Run Number</b> one	
<b>Depth Driller</b> 1630		<b>Depth Driller</b> 1630	
<b>Bottom Driller</b> 1630		<b>Bottom Driller</b> 1630	
<b>Bottom Interval</b> 1634		<b>Bottom Interval</b> 1634	
<b>Tool Cut Interval</b> 500		<b>Tool Cut Interval</b> 500	
<b>Casing Driller</b> 510		<b>Casing Driller</b> 510	
<b>Casing Logger</b> 509		<b>Casing Logger</b> 509	
<b>Bit Size</b> 7 7/8		<b>Bit Size</b> 7 7/8	
<b>Type Fluid in Hole</b> water @ 1350		<b>Type Fluid in Hole</b> water @ 1350	
<b>Drill Fluids</b> //		<b>Drill Fluids</b> //	
<b>Drill Fluids</b> //		<b>Drill Fluids</b> //	
<b>Source of Sample</b> //		<b>Source of Sample</b> //	
<b>Rm @ Meas. Temp</b> //		<b>Rm @ Meas. Temp</b> //	
<b>Rm @ Meas. Temp</b> //		<b>Rm @ Meas. Temp</b> //	
<b>Rm @ Meas. Temp</b> //		<b>Rm @ Meas. Temp</b> //	
<b>Source of Fluid / Film</b> //		<b>Source of Fluid / Film</b> //	
<b>Rm @ Bit</b> //		<b>Rm @ Bit</b> //	
<b>Time Spent on Location</b> 3:00 pm		<b>Time Spent on Location</b> 3:00 pm	
<b>Time Logger on Bottom</b> 5:00pm		<b>Time Logger on Bottom</b> 5:00pm	
<b>Maximum Recorded Temperature</b> //		<b>Maximum Recorded Temperature</b> //	
<b>Equipment Number</b> 560		<b>Equipment Number</b> 560	
<b>Location</b> Timined		<b>Location</b> Timined	
<b>Drilled By</b> Patterson		<b>Drilled By</b> Patterson	
<b>Recorded By</b> D Barry		<b>Recorded By</b> D Barry	
<b>Revised By</b> R Gonzales		<b>Revised By</b> R Gonzales	

<<< Fold Here >>>

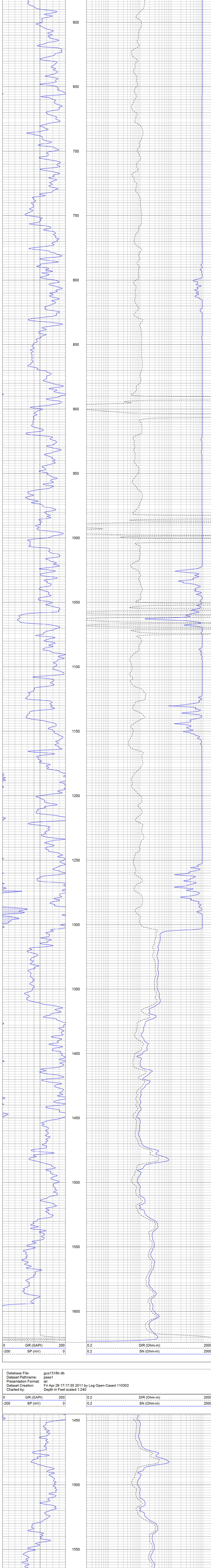
All Interpretations based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretation are subject to our general terms and conditions set out in our current Price Schedule.

Comments

Database File:	gus1318tr.db
Dataset Pathname:	pass2
Presentation Format:	iel

Log Open-C

0	GR (GAPI)	200	0.2	DIR (Ohm-m)	2000
-200	SP (mV)	0	0.2	SN (Ohm-m)	2000



		Probe 2.75" Probe Open Hole Gamma Ray				
NEU	24.04		NEU-2.75POH (802) Probe Epithermal	4.75	2.75	58.00
LSL	16.21		CDL-2.75POH (901) Probe	8.43	2.75	106.00
DCAL	15.94					
SSD	15.69					
DIC	6.24		IEL-Probe (701)	13.46	2.75	93.00
SP	2.25					

SN	1.71								
<div> <div>Dataset:</div> <div>gus1318tr.db: field/well/run1/pass2</div> </div> <div> <div>Total Length:</div> <div>31.11 ft</div> </div> <div> <div>Total Weight:</div> <div>305.00 lb</div> </div> <div> <div>O.D.</div> <div>2.75 in</div> </div>									
<div> <div>Database File:</div> <div>gus1318tr.db</div> </div> <div> <div>Dataset Pathname:</div> <div>ggs12</div> </div>									

Dataset Creation: Fri Apr 29 17:30:21 2011 by Log Open-Cased 110302	
Induction Tool Calibration Report	
Serial Number:	701
Tool Model:	Probe

Downhole Cal Performed:		Wed Apr 28 16:26:40 2010	
Surface Cal Performed:		Mon Jan 17 12:52:28 2011	
After Survey Verification Performed:			
Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.006	0.644	V

Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500,000	mmho
Conductivity Reading:	0.007	0.643	V
Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	0.703	499.163	mmho

	Conductivity Reading:	0.000	0.000	V
	Short Normal Reference:	0.000	20.000	Ohm-m
	Short Normal Reading:	0.005	0.214	V
Results:		Gain	Offset	
	Loop Conductivity:	783.886	-4.674	
	Downhole Correction:	1.000	0.000	

Short Normal Resistivity:	95.281	-0.432	
After Survey Verification	Internal Zero	Internal Cal	
Conductivity Reading:	0.000	0.000	V
Conductivity Result:	0.000	0.000	mmho
Short Normal Reading:	0.000	0.000	V
	0.000		ohm-m

Short Normal Result:	0.000	0.000	0.000
Compensated Density Calibration Report			
Serial-Model:	901-2.75POH		
Source / Verifier:	/		
Master Calibration Performed:	Mon Apr 11 08:32:53 2011		

Before Survey Verification Performed:			
After Survey Verification Performed:			
Master Calibration			
Density		Far Detector	Near Detector

Magnesium	1.710	g/cc	946.97	539.23	cps
Aluminum	2.590	g/cc	172.50	282.94	cps
Spine Angle = 69.26			Density/Spine Ratio = 0.483		
Size			Reading		

Small Ring	8.00	in	2.47	V
Large Ring	17.00	in	4.50	V
Before Survey Verification				
	Target		Measured	

	Target	Measured
	g/cc	g/cc
	g/cc	g/cc
	g/cc	g/cc
After Survey Verification		

Target	Measured
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

Neutron Calibration Report	
Serial Number:	802
Tool Model:	2.75POH
Performed:	Mon Apr 11 11:07:23 2011

Calibrator Value:	700	NAPI
Calibrator Reading:	1000	cps
Sensitivity:	0.7	NAPI/cps
Gamma Ray Calibration Report		

Serial Number:	801
Tool Model:	2.75POH
Performed:	Mon Apr 11 11:07:52 2011
Calibrator Value:	200.0 GAPI

Background Reading:	8.0	cps
Calibrator Reading:	264.7	cps
Sensitivity:	0.5600	GAPI/cps