



COMPENSATED DENSITY NEUTRON LOG

Company	Palomino Petroleum, Inc.		Well	McVicker Trusts #1	Field	McVicker	County	Ness	State	KS
Location:	SEC 13 TWP 20S RGE 28W		Permitment Datum	744 FSL & 508 PML	Log Measured From	KB 5' AGL	Drilling Measured From	KB 5' AGL	Elevation	2469
Other Services	BGS	MLL	Emission	OT 2472	OT 2469	OT 2469	OT 2469	OT 2469	OT 2469	OT 2469
Date	08/13/13		Run Number	016	Run Date	08/13/13	Run Time	08:13	Run Depth	4702'
Bottom Logged Interval	4679'		Bottom Logged Interval	4679'	Bottom Logged Interval	4679'	Bottom Logged Interval	4679'	Bottom Logged Interval	4679'
Top Log Interval	3700'		Top Log Interval	3700'	Top Log Interval	3700'	Top Log Interval	3700'	Top Log Interval	3700'
Chemical Mud	9.2/0.49		Chemical Mud	9.2/0.49	Chemical Mud	9.2/0.49	Chemical Mud	9.2/0.49	Chemical Mud	9.2/0.49
Source of Sample	pH / Fluid Loss		Source of Sample	pH / Fluid Loss	Source of Sample	pH / Fluid Loss	Source of Sample	pH / Fluid Loss	Source of Sample	pH / Fluid Loss
Run @ Mass Temp	1.63g/0.06g		Run @ Mass Temp	1.63g/0.06g	Run @ Mass Temp	1.63g/0.06g	Run @ Mass Temp	1.63g/0.06g	Run @ Mass Temp	1.63g/0.06g
Run @ Mass Temp	1.98g/0.06g		Run @ Mass Temp	1.98g/0.06g	Run @ Mass Temp	1.98g/0.06g	Run @ Mass Temp	1.98g/0.06g	Run @ Mass Temp	1.98g/0.06g
Source of Run / Run	Calculated		Source of Run / Run	Calculated	Source of Run / Run	Calculated	Source of Run / Run	Calculated	Source of Run / Run	Calculated
Time @ BHT	500 m		Time @ BHT	500 m	Time @ BHT	500 m	Time @ BHT	500 m	Time @ BHT	500 m
Time Circulation Stopped	7:00 m		Time Circulation Stopped	7:00 m	Time Circulation Stopped	7:00 m	Time Circulation Stopped	7:00 m	Time Circulation Stopped	7:00 m
Time of Day	11:27		Time of Day	11:27	Time of Day	11:27	Time of Day	11:27	Time of Day	11:27
Equipment Number	HVS, KS		Equipment Number	HVS, KS	Equipment Number	HVS, KS	Equipment Number	HVS, KS	Equipment Number	HVS, KS
Location	HVS, KS		Location	HVS, KS	Location	HVS, KS	Location	HVS, KS	Location	HVS, KS
Revised By	Mf Ryan Seb		Revised By	Mf Ryan Seb	Revised By	Mf Ryan Seb	Revised By	Mf Ryan Seb	Revised By	Mf Ryan Seb

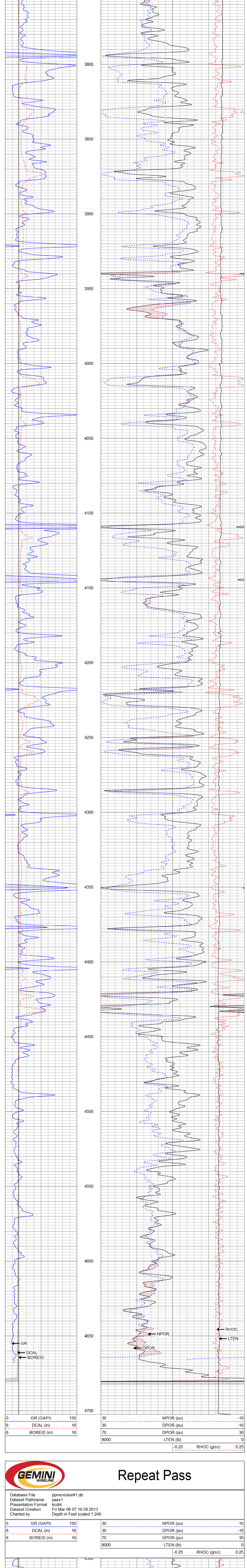
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 for using Gemini Wireline
785-625-1182

Main Pass

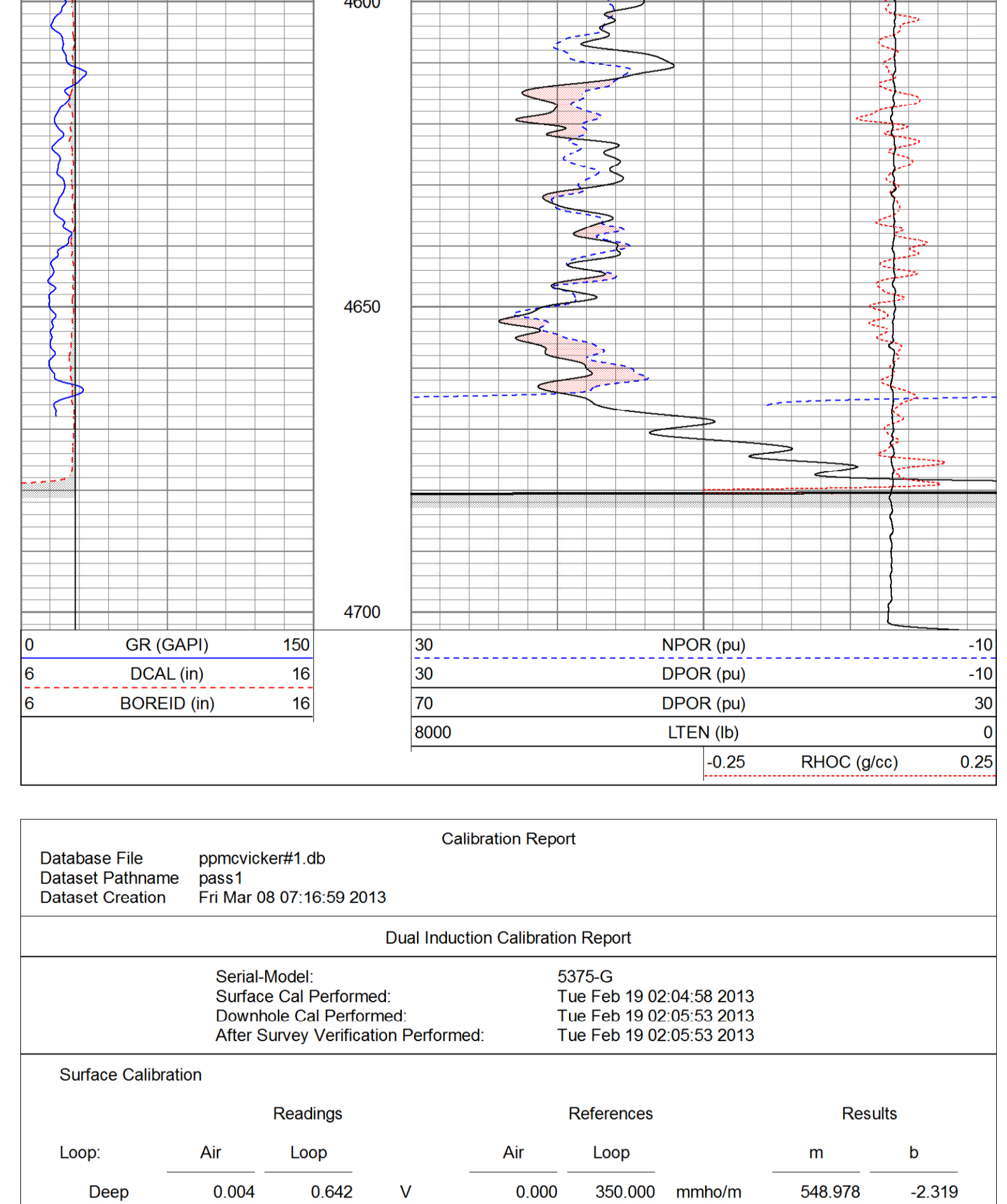
Database File	ppmrvicker#1.db		pass:2
Dataset Pathname	kcdnl		Fri Mar 08 07:26:38 2013
Dataset Creation	Fri Mar 08 07:26:38 2013		Depth in Feet scaled 1.240
Charted by			



0	GR (GAPI)	150	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
6	BOREID (in)	16	70	DPOR (pu)	30
			8000	LTEN (lb)	0
					-0.25 RHOC (g/cc) 0.25

Repeat Pass

Database File	ppmrvicker#1.db		pass:1
Dataset Pathname	kcdnl		Fri Mar 08 07:16:59 2013
Dataset Creation	Fri Mar 08 07:16:59 2013		Depth in Feet scaled 1.240
Charted by			



0	GR (GAPI)	150	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
6	BOREID (in)	16	70	DPOR (pu)	30
			8000	LTEN (lb)	0
					-0.25 RHOC (g/cc) 0.25

Calibration Report

Database File	ppmrvicker#1.db		pass:1
Dataset Pathname	kcdnl		Fri Mar 08 07:16:59 2013
Dataset Creation	Fri Mar 08 07:16:59 2013		Depth in Feet scaled 1.240
Charted by			

Dual Induction Calibration Report

Serial-Model:	5375-G	
Surface Cal Performed:	Tue Feb 19 02:04:58 2013	
Downhole Cal Performed:	Tue Feb 19 02:05:53 2013	
After Survey Verification Performed:	Tue Feb 19 02:05:53 2013	

Surface Calibration

Loop:	Readings		References	Results		
	Air	Loop		m	b	
Deep	0.004	0.642	0.000	350.000	548.978	
Medium	0.008	0.744	0.000	400.000	543.196	
Internal:	Zero	Cal	Zero	Cal	m	b
Deep	0.005	0.642	0.000	350.000	548.752	
Medium	0.008	0.744	0.000	550.000	746.807	
Shallow	0.005	0.642	0.000	350.000	548.752	

Downhole Calibration

Internal:	Readings		References	Results	
	Zero	Cal		m	b
Deep	0.271	350.533	0.211	350.355	1.000
Medium	-0.023	400.162	-0.066	399.980	1.000
Shallow	2.479	0.015	500.000	2.000	202.133

After Survey Verification

Internal:	Readings		Targets		Results	
	Zero	Cal	Zero	Cal	m'	b'
Deep	0.000	0.000	0.271	350.533	1.000	-0.060
Medium	0.000	0.000	-0.023	400.162	1.000	-0.043
Shallow	0.000	0.000	500.000	2.000	1.000	0.000

Compensated Density Calibration Report

Serial-Model:	2388DHT-DHT	
Source / Verifier:	/	
Master Calibration Performed:	Fri Feb 01 08:31:10 2013	
Before Survey Verification Performed:		
After Survey Verification Performed:		

Master Calibration

	Density		Far Detector		Near Detector	
	g/cc	g/cc	cpm	cpm	cpm	cpm
Magnesium	1.750	2.620	677.63	127.62	298.90	185.00
Aluminum						
Spine Angle = 73.97			Density/Spine Ratio = 0.501			
Size		Reading				
Small Ring	8.25	in	5771.32			
Large Ring	14.00	in	10165.20			

Before Survey Verification

Target	Measured	
g/cc	g/cc	g/cc

After Survey Verification

Target	Measured	
g/cc	g/cc	g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Mon Mar 04 15:15:17 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Mon Mar 04 15:15:14 2013	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	37.96		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
SP	10.60					
CILD	10.60					
CILM	6.89		DIL-G (5375) Gearhart	21.47	4.00	345.00
RLL3	1.70					

Dataset:	ppmrvicker#1.db		field/well/run/1/pass1
Total length:	40.49 ft		
Total weight:	676.00 lb		
O.D.:	4.00 in		