DUAL INDUCTION LOG

Company	Palomino Petroleum, Inc.
Well	Wilborn #2
Field	Sunflower North
County	Barton
State	KS

Company Palomino Petroleum, Inc.

Well Wilborn #2

Field Sunflower North

County Barton **State** KS

Location: API # : 15 009 25813

1576' FSL & 673' FWL

SEC 5 TWP 17S RGE 12W

Permanent Datum Ground Level Elevation 1924'

Log Measured From KB 5' AGL

Drilling Measured From KB

Other Services

CDNL

Elevation

K.B. 1929'
D.F. 1928'
G.L. 1924'

Date	2-27-13		
Run Number	One		
Depth Driller	3509'		
Depth Logger	3510'		
Bottom Logged Interval	3508'		
Top Log Interval	2700'		
Casing Driller	386'		
Casing Logger	386'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	7.2/50		
pH / Fluid Loss	10.5/9.5		
Source of Sample	Pit		
Rm @ Meas. Temp	.6@70degf		
Rmf @ Meas. Temp	.45@70degf		
Rmc @ Meas. Temp	.72@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.37@112degf		
Time Circulation Stopped	2:30 p.m.		
Time Logger on Bottom	4:30 p.m.		
Maximum Recorded Temperature	112 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	Gus Pfanenstiel		
Witnessed By	Mr. Nick Gerstner		

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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 for using Gemini Wireline
785-625-1182

Main Pass

Database File	ppwilborn#2oh.db
Dataset Pathname	pass2
Presentation Format	kdillin2
Dataset Creation	Wed Feb 27 16:34:20 2013
Charted by	Depth in Feet scaled 1:600

0 GR (GAPI) 150

-200 SP (mV) 0

0 RILD (Ohm-m) 50

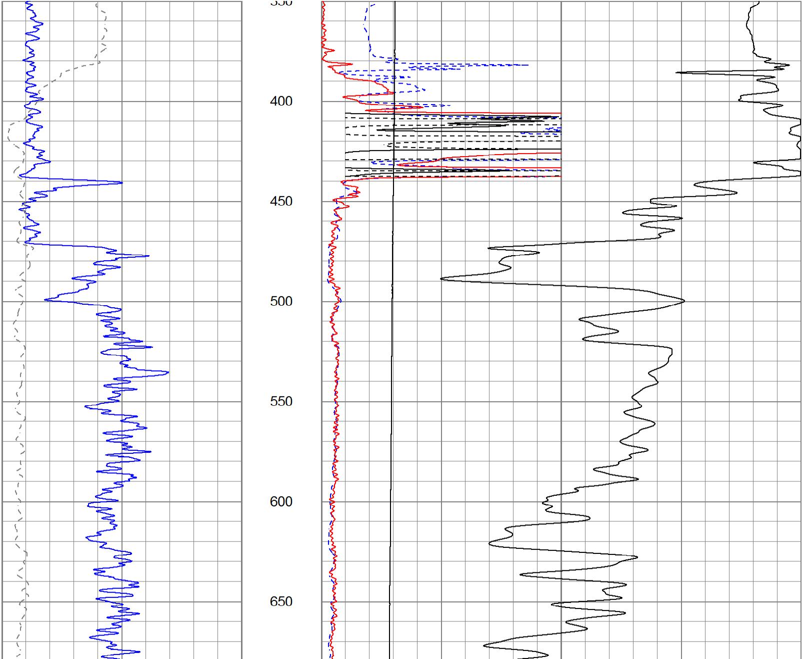
0 RLL3 (Ohm-m) 50

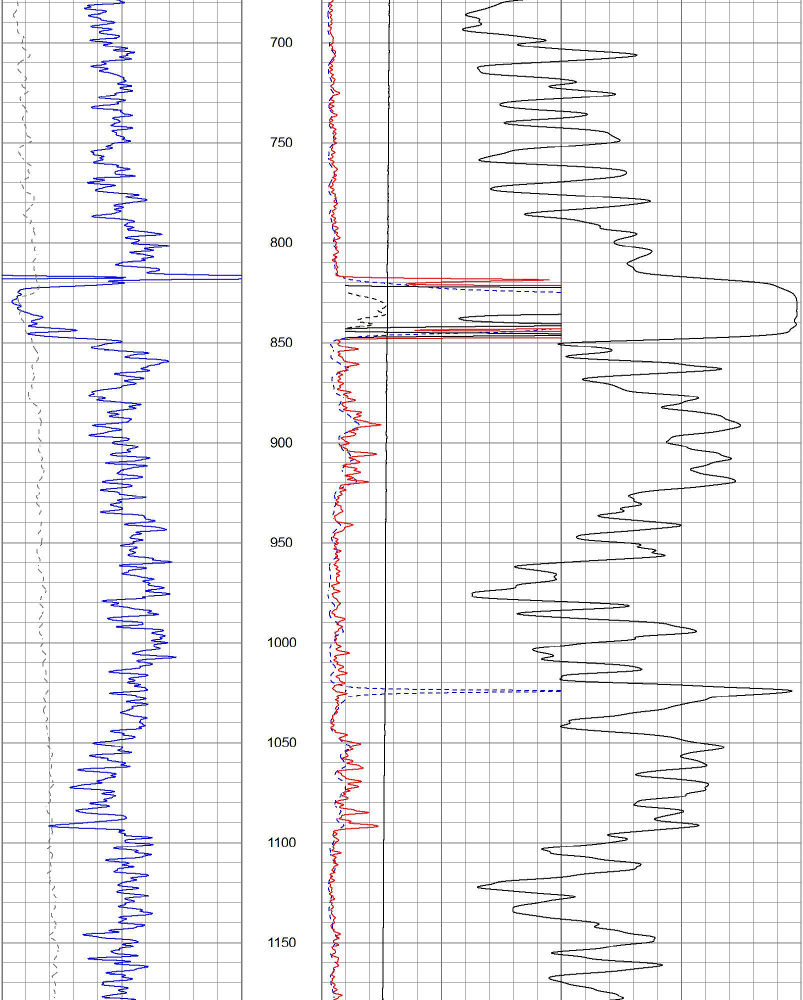
1000 CILD (mmho/m) 0

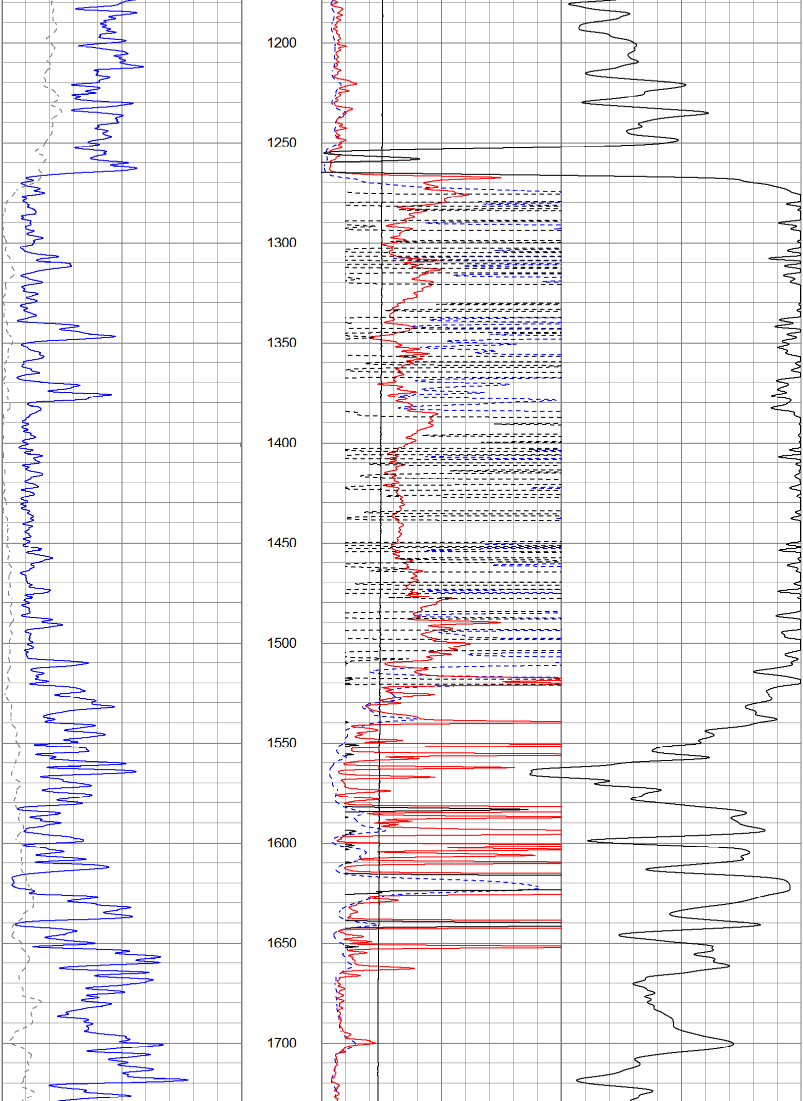
10000 LTEN (lb) 0

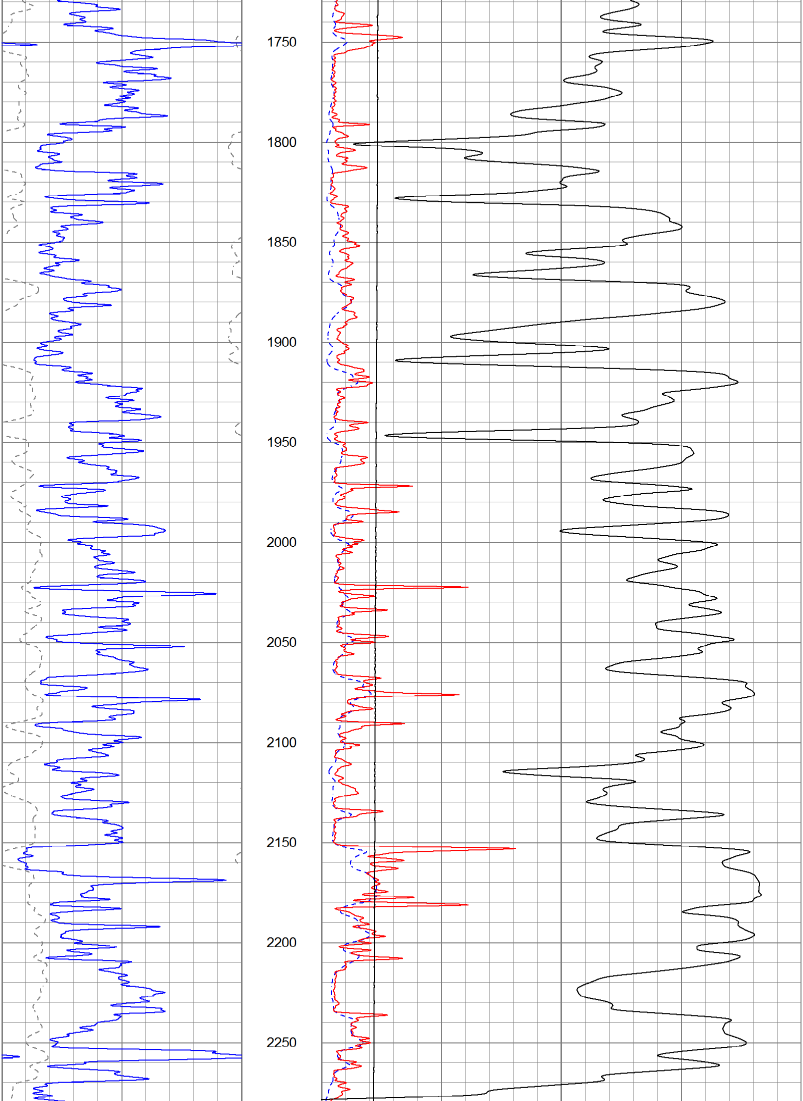
50 RILD x 10 (Ohm-m) 500

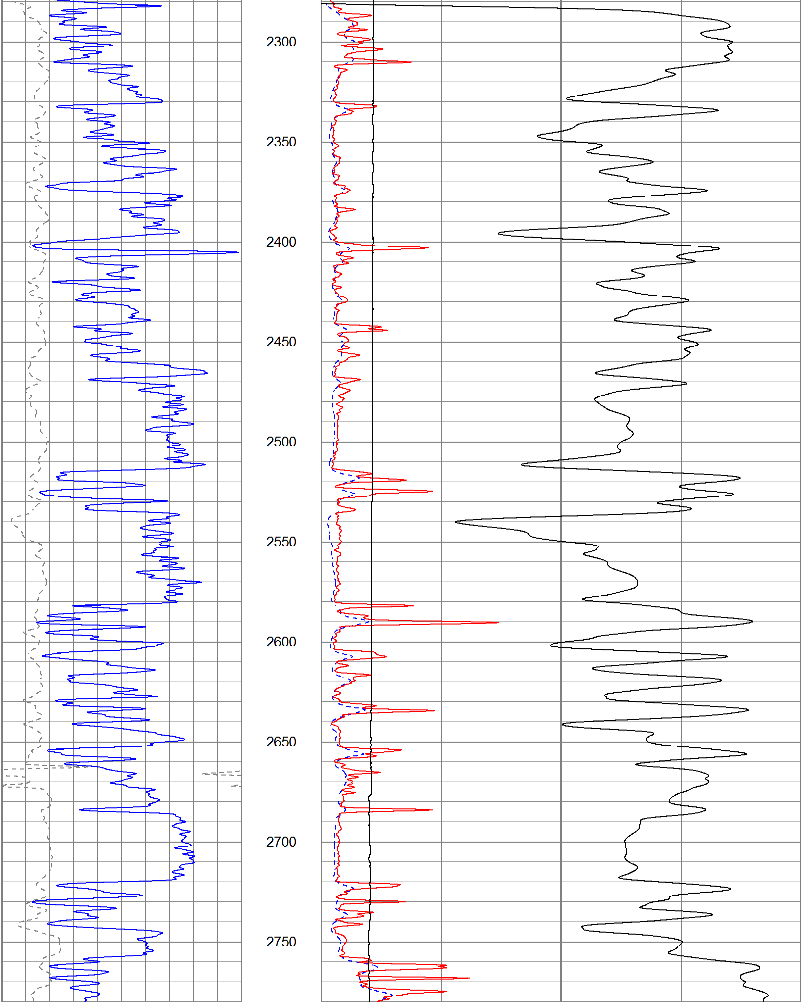
50 RLL3 x 10 (Ohm-m) 500

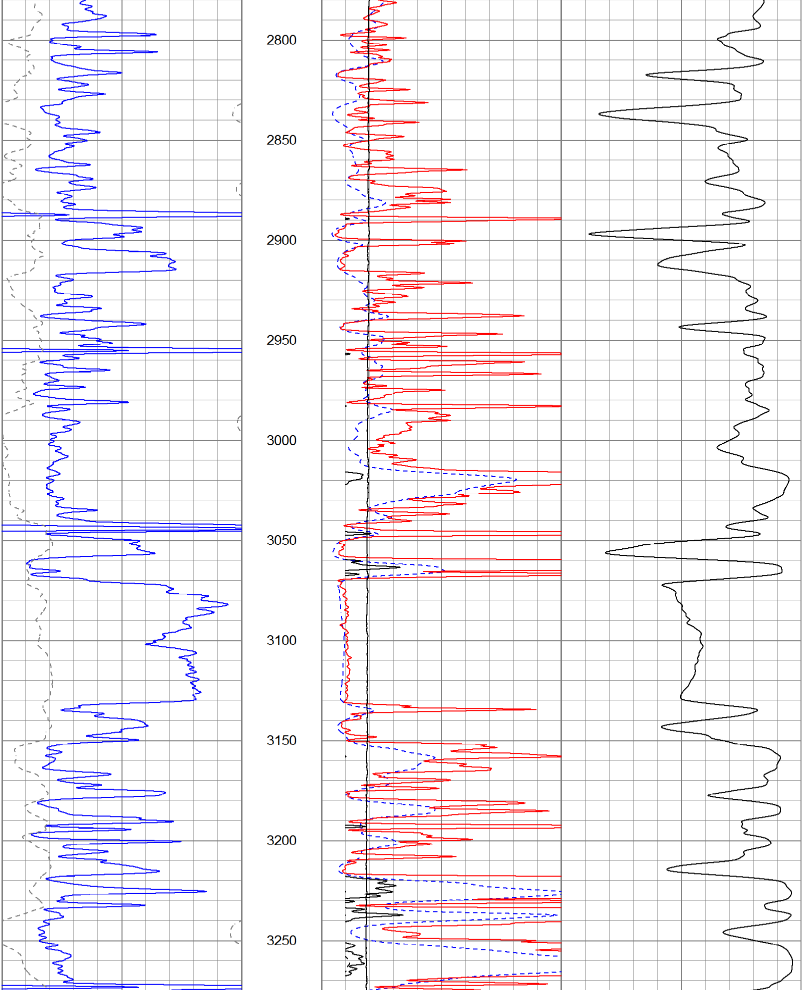


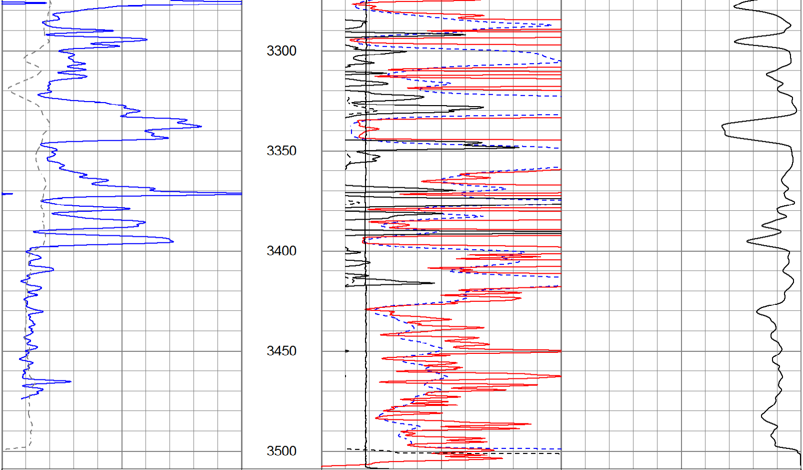












0 GR (GAPI) 150
-200 SP (mV) 0

0 RILD (Ohm-m) 50
0 RLL3 (Ohm-m) 50
1000 CILD (mmho/m) 0
10000 LTEN (lb) 0
50 RILD x 10 (Ohm-m) 500
50 RLL3 x 10 (Ohm-m) 500

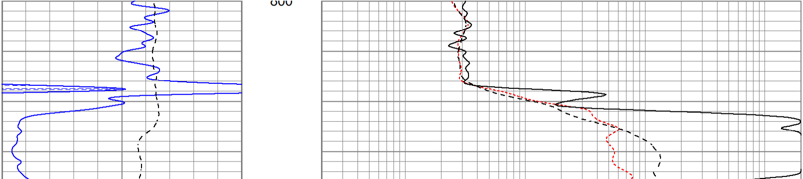
GEMINI WIRELINE

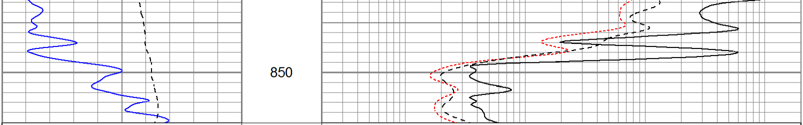
Main Pass

Database File	ppwilborn#2oh.db
Dataset Pathname	pass2
Presentation Format	kdil
Dataset Creation	Wed Feb 27 16:34:20 2013
Charted by	Depth in Feet scaled 1:240

0 GR (GAPI) 150
-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000





0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

Main Pass

Database File	ppwilborn#2oh.db
Dataset Pathname	pass2
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-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
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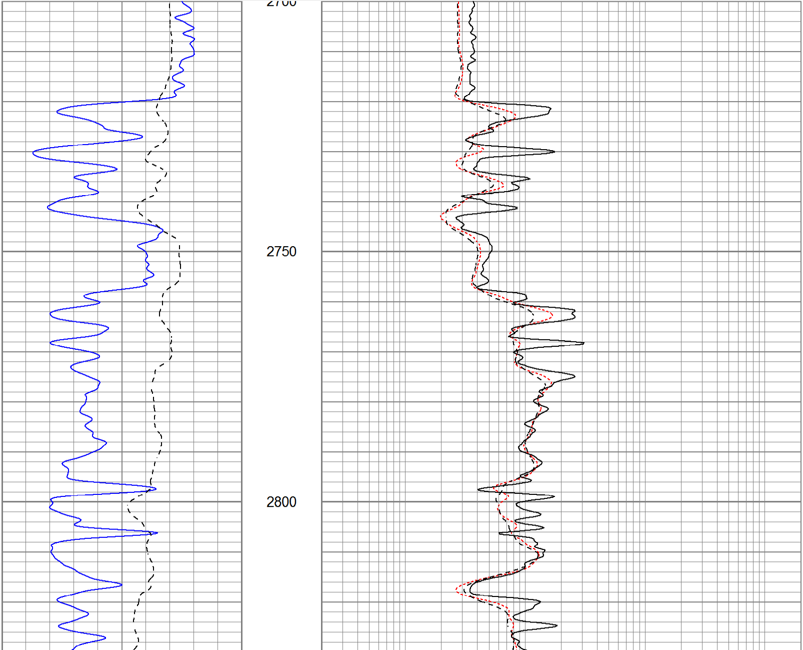
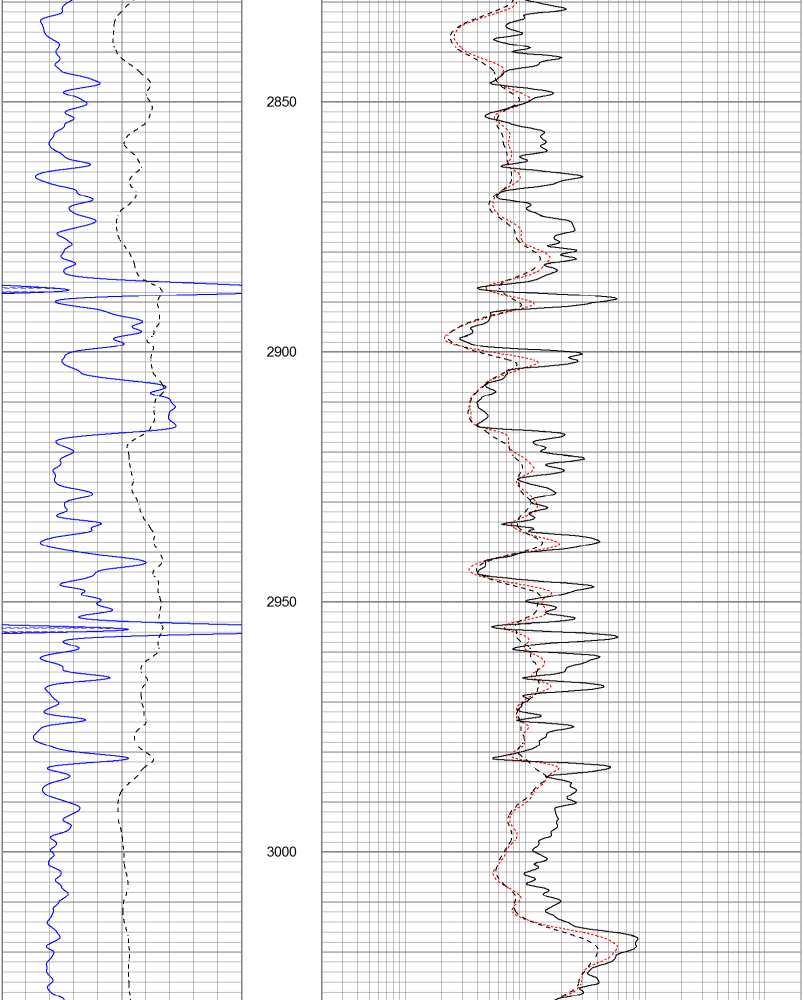
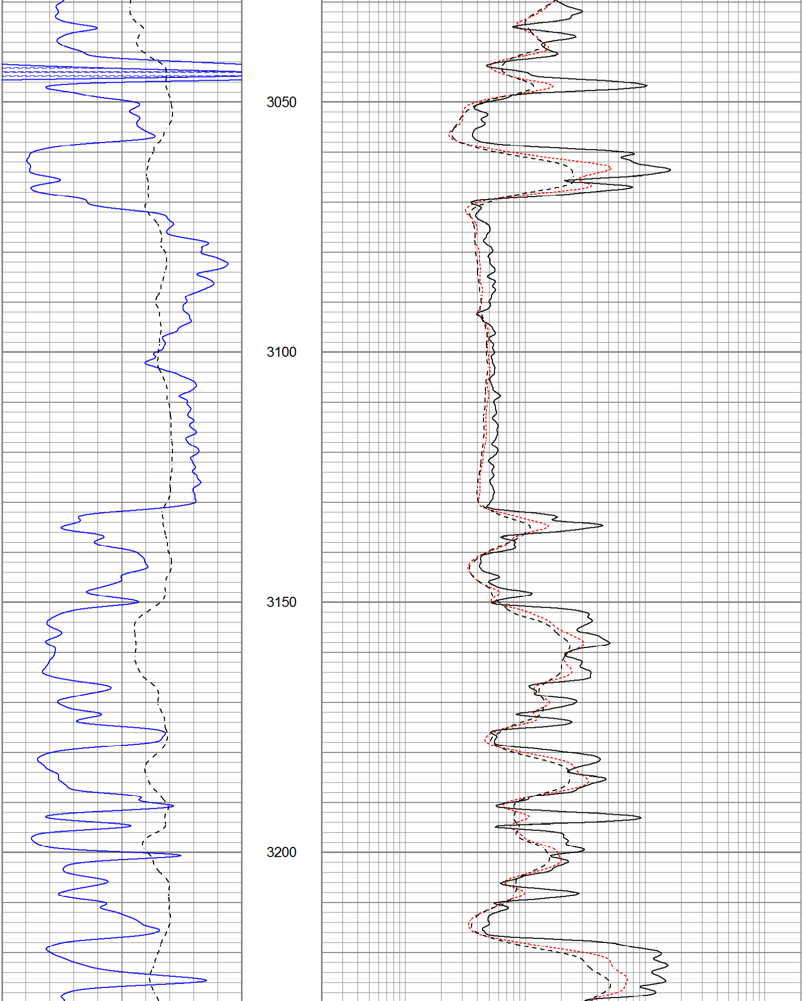
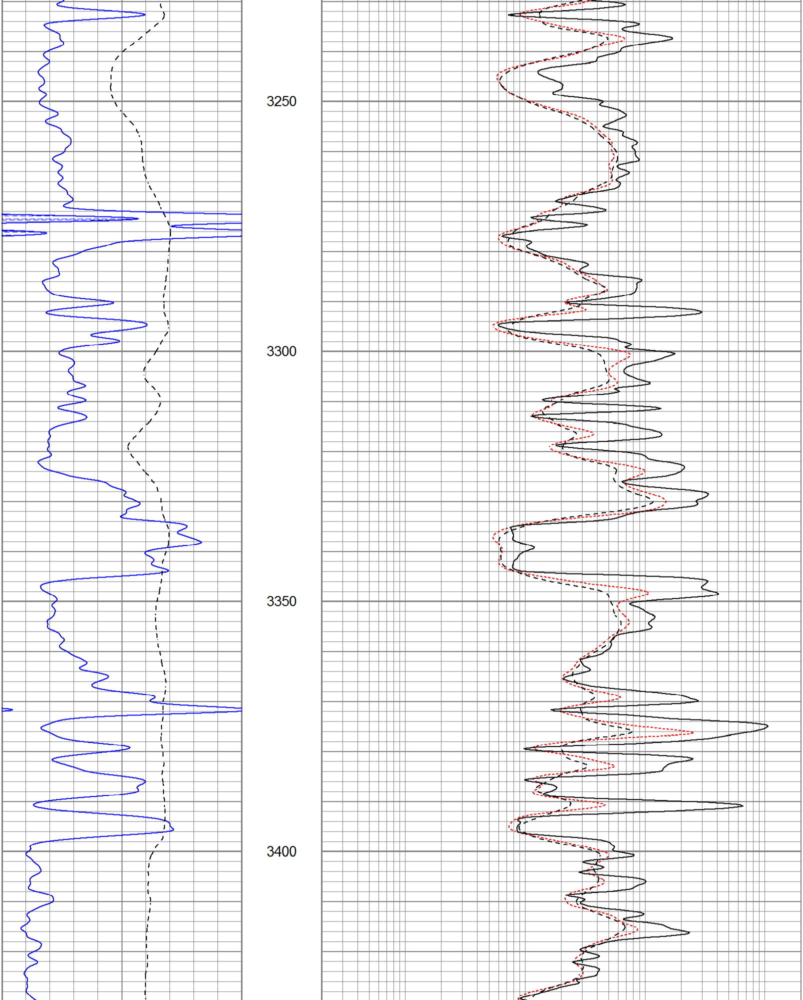
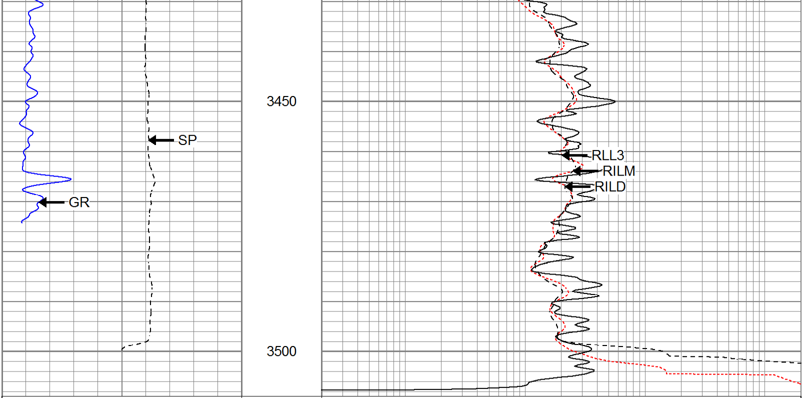










0 GR (GAPI) 150
-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000

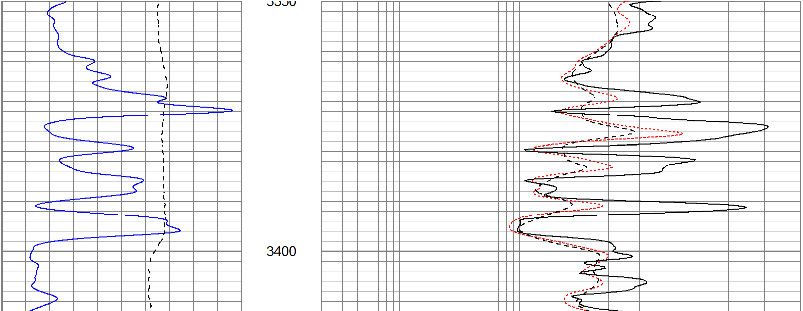
GEMINI WIRELINE

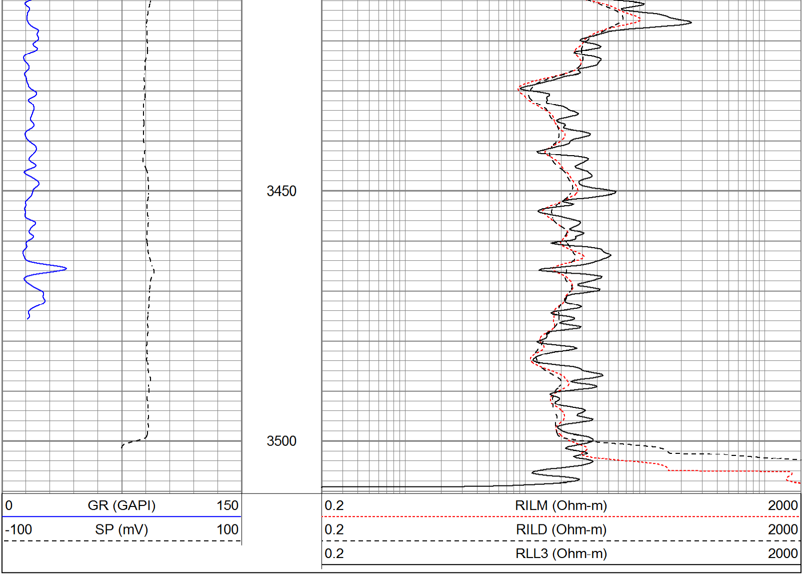
Repeat Pass

Database File	ppwilborn#2oh.db
Dataset Pathname	pass1
Presentation Format	kdil
Dataset Creation	Wed Feb 27 16:26:05 2013
Charted by	Depth in Feet scaled 1:240

0 GR (GAPI) 150
-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000





Calibration Report

Database File	ppwilborn#2oh.db
Dataset Pathname	pass1
Dataset Creation	Wed Feb 27 16:26:05 2013

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

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.642	V	0.000	350.000	mmho/m	548.978	-2.319
Medium	0.008	0.744	V	0.000	400.000	mmho/m	543.196	-4.293
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.005	0.642	V	0.000	350.000	mmho/m	548.752	-2.529
Medium	0.008	0.744	V	0.000	550.000	mmho/m	746.807	-5.812

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.271	350.533	mmho/m	0.211	350.355	mmho/m	1.000	-0.060
Medium	-0.023	400.162	mmho/m	-0.066	399.980	mmho/m	1.000	-0.043
Shallow	2.479	0.015	V	500.000	2.000	Ohm-m	202.133	-1.103

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.271	350.533	mmho/m	1.000	-0.060
Medium	0.000	0.000	mmho/m	-0.023	400.162	mmho/m	1.000	-0.043
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	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	
Magnesium	1.750	g/cc	677.63	298.90	cps
Aluminum	2.620	g/cc	127.62	185.00	cps

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		g/cc
	g/cc		g/cc

After Survey Verification

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

Gamma Ray Calibration Report

Serial Number: 2000
Tool Model: P2000
Performed: Sun Feb 17 16:51:47 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2200 GAPI/cps

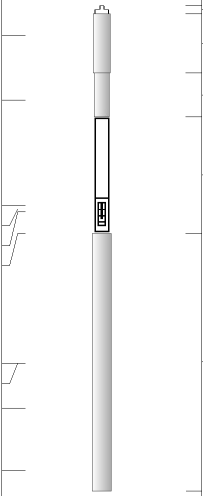
Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Mon Jan 14 13:46:03 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
			None	0.75	1.50	5.00
NEU	37.96		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		DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset:	ppwilborn#2oh.db: field/well/run1/pass1
Total length:	40.49 ft
Total weight:	676.00 lb
O.D.:	4.00 in