DUAL INDUCTION LOG

Company	Castle Resources Inc.
Well	Dix #1
Field	Geneseo/Edwards
County	Rice
State	Kansas

Company Castle Resources Inc.
Well Dix #1
Field Geneseo/Edwards
County Rice State Kansas
Location: API # : 15 159 22728
2310' FNL & 990' FWL
SEC 31 TWP 18S RGE 7W

Other Services
ML
CDNL

Permanent Datum Ground Level Elevation 1742'
Log Measured From KB 5' AGL
Drilling Measured From KB

Elevation
K.B. 1747'
D.F. 1746'
G.L. 1742'

Date	2-5-13		
Run Number	One		
Depth Driller	3350'		
Depth Logger	3351'		
Bottom Logged Interval	3349'		
Top Log Interval	300'		
Casing Driller	8 5/8"@ 320'		
Casing Logger	320'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.3/51		
pH / Fluid Loss	8.5/10.8		
Source of Sample	Pit		
Rm @ Meas. Temp	.3@65degf		
Rmf @ Meas. Temp	.23@65degf		
Rmc @ Meas. Temp	.36@82degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.17@112degf		
Time Circulation Stopped	8:00 a.m.		
Time Logger on Bottom	10:00 a.m.		
Maximum Recorded Temperature	112degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	Gus Pfanenstiel		
Witnessed By	Mr. Jerry Green		

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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.

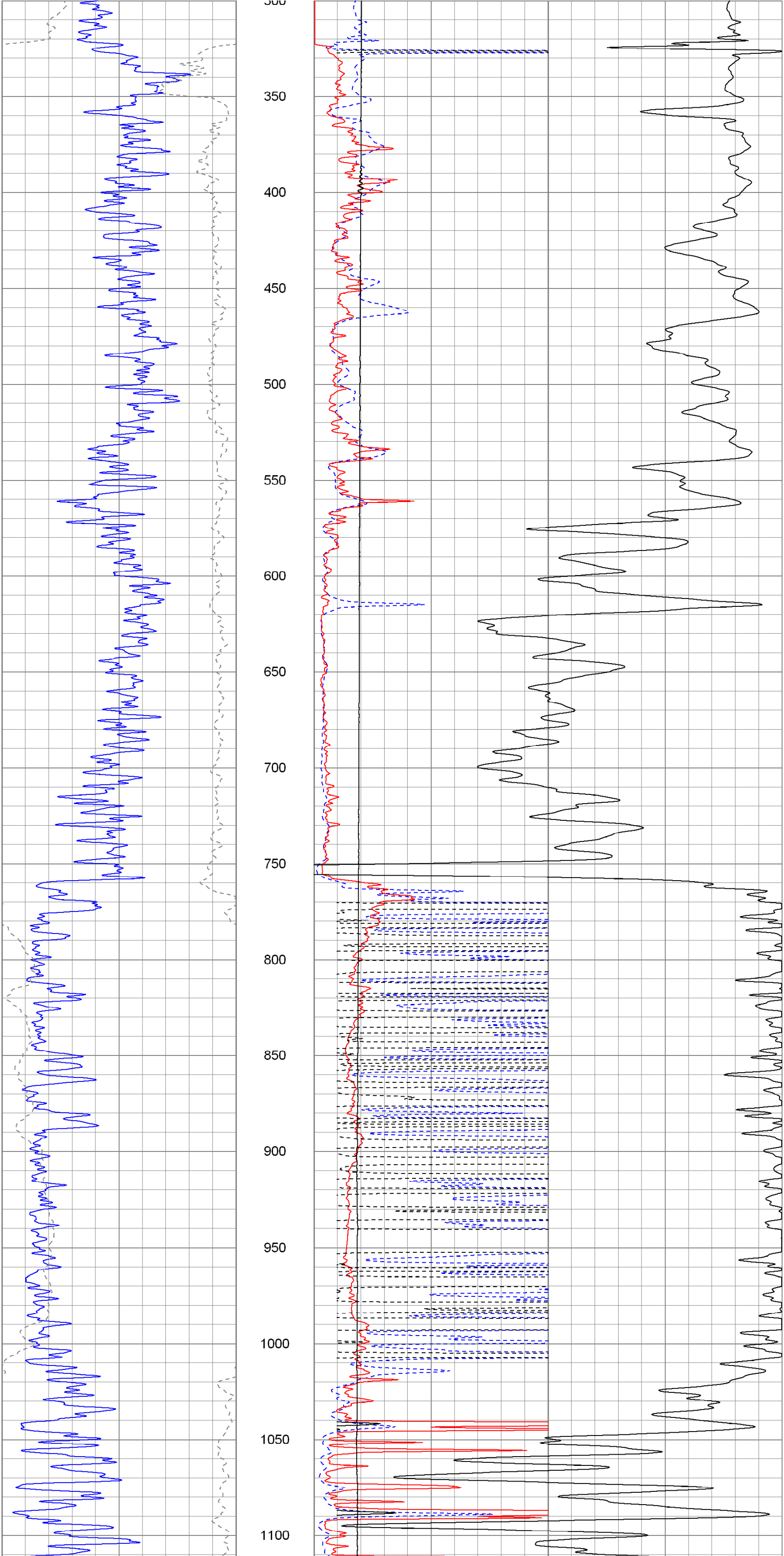
Comments

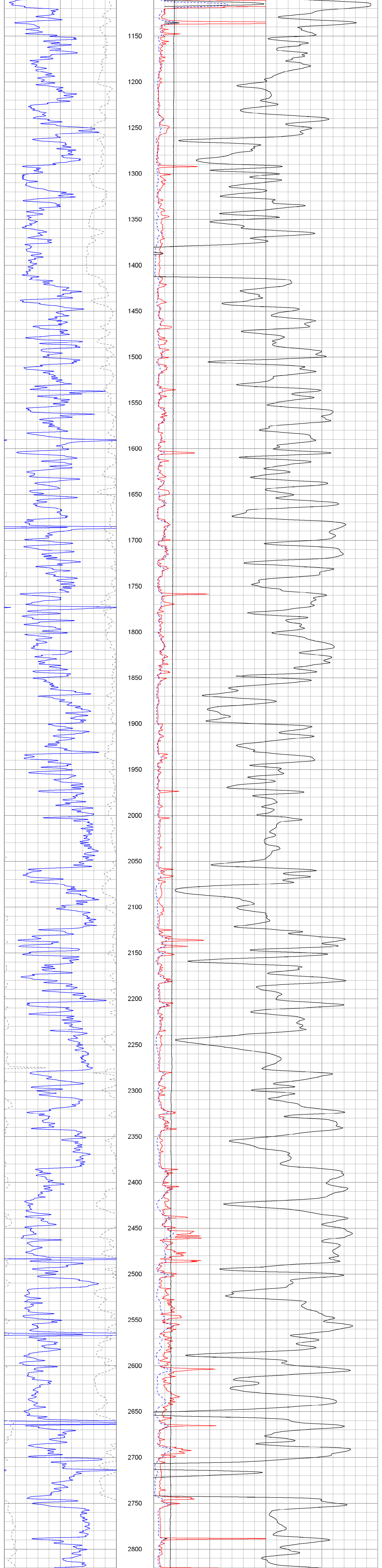
Main Pass

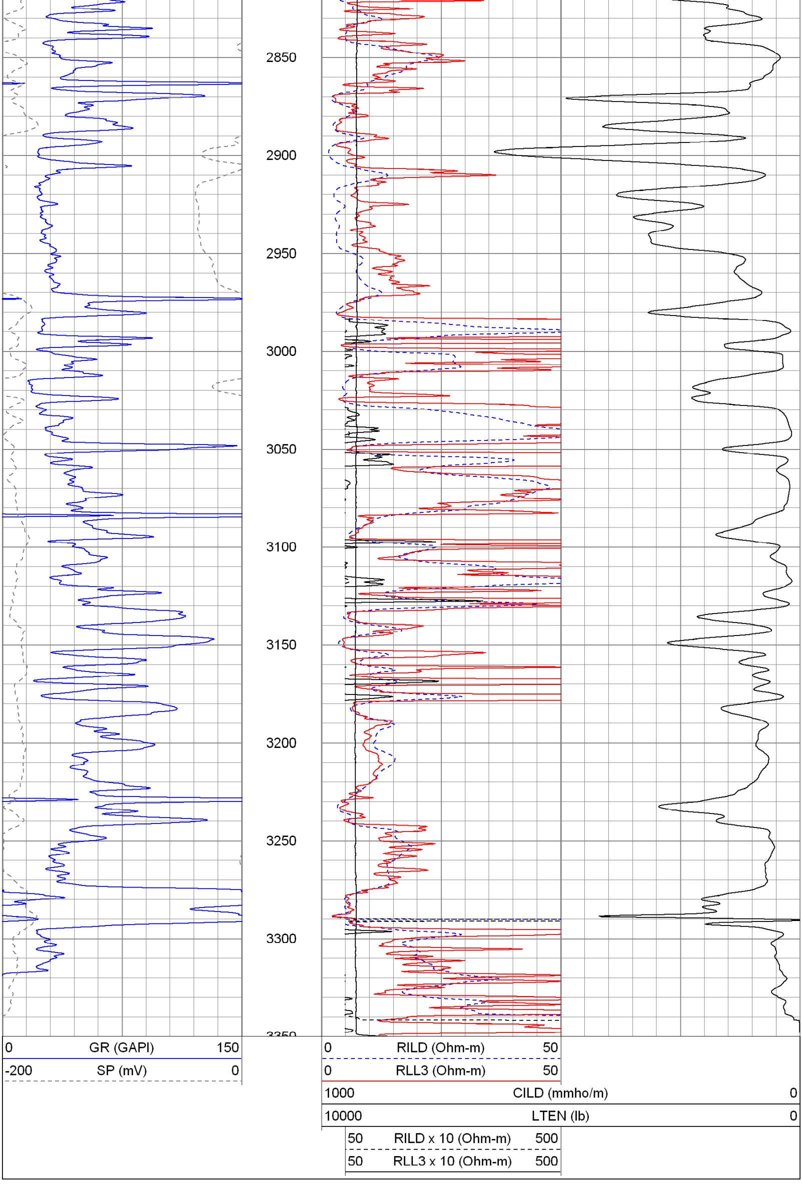
Database File: crdix#1.db
Dataset Pathname: pass2
Presentation Format: kdillin2
Dataset Creation: Tue Feb 05 10:20:00 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

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

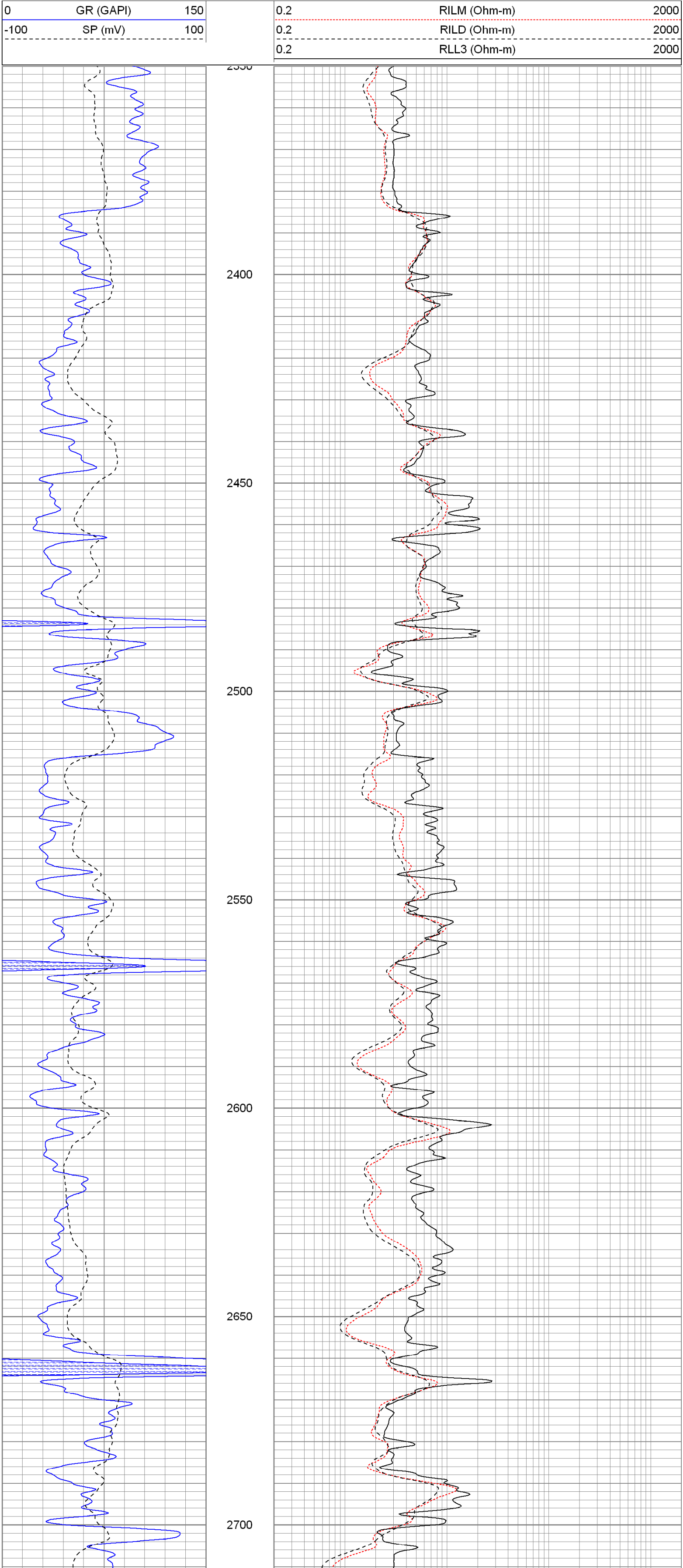


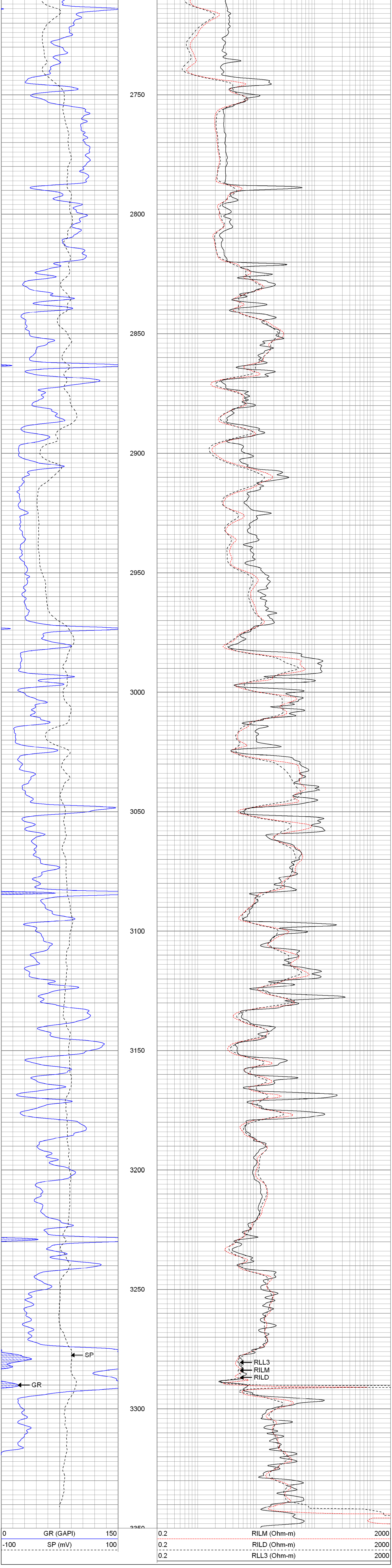




Main Pass

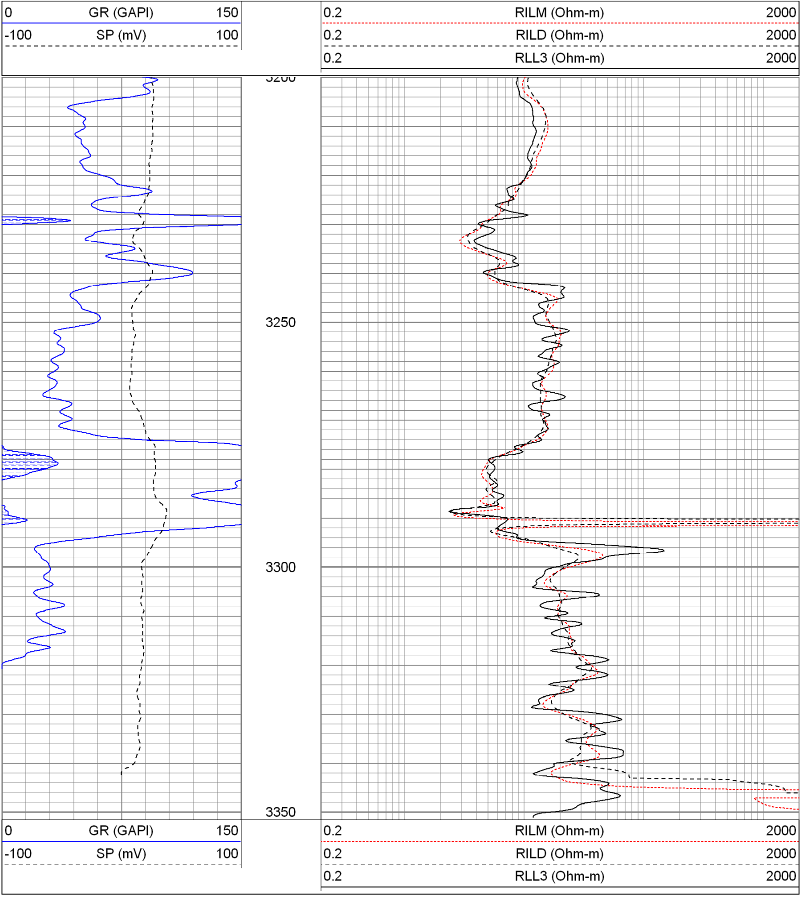
Database File:	crdix#1.db
Dataset Pathname:	pass2
Presentation Format:	kdil
Dataset Creation:	Tue Feb 05 10:20:00 2013 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240





Repeat Pass

Database File: crdix#1.db
Dataset Pathname: pass1
Presentation Format: kdil
Dataset Creation: Tue Feb 05 10:02:55 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: crdix#1.db
Dataset Pathname: pass1
Dataset Creation: Tue Feb 05 10:02:55 2013 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 080522-Probe
Surface Cal Performed: Sun Dec 02 13:33:30 2012
Downhole Cal Performed: Sun Dec 02 13:35:39 2012
After Survey Verification Performed: Sun Dec 02 13:35:39 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.638	V	0.000	400.000	mmho/m	628.149	-0.909
Medium	0.003	0.735	V	0.000	464.000	mmho/m	634.133	-1.885
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.639	V	0.000	400.000	mmho/m	627.770	-0.927
Medium	0.003	0.735	V	0.000	464.000	mmho/m	634.038	-1.896

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.587	400.153	mmho/m	0.019	400.261	mmho/m	0.999	0.605
Medium	-0.685	463.926	mmho/m	0.012	464.081	mmho/m	0.999	0.696
LL3		7.259	V		750.000	Ohm-m		
		-0.000	V		12.000	Ohm-m		
		-7.420	V		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Jan 07 17:00:17 2013

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	717.11	305.57	cps
Aluminum	2.620	g/cc	140.63	205.93	cps

Spine Angle = 76.38
Density/Spine Ratio = 0.519

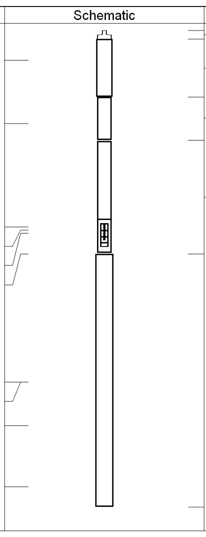
	Size		Reading
Small Ring	8.25	in	5771.32
Large Ring	14.00	in	10165.20

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Wed Jan 23 07:42:55 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Mon Jan 07 17:00:44 2013	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (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
			CDL-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					
CILD	10.60		DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: crdix#1.db: field/well/run1/pass1
Total Length: 40.49 ft
Total Weight: 676.00 lb
O.D. 4.00 in