



Pioneer Energy Services

Computer Processed Interpretation

15-009-26,074-00-00

API No.

Company **Russell Oil, Inc.**

Well **Charles #1-16**

Field **Deines**

County **Barton**

State

Kansas

Location

330' FNL & 1100' FWL

Other Services
DIL/CNL/CDL
MEL

Sec: 16

Twp: 16S

Rge: 14W

Elevation

Permanent Datum

Ground Level

Elevation 1945

Log Measured From

Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From

Front Kelly Bushing

K.B. 1954
D.F. G.L. 1945

Date Recorded 2/18/2015

Depth Logger 3484

Curve Definitions

SW Water Saturation

SXO Water Saturation In The Flushed Zone

VCL Volume Of Clay

PHIE Density - Neutron Crossplot Shale Corrected

BWV Bulk Volume Water

BWWSXO Bulk Volume Water In Flushed Zone

DCAL Caliper

SPC SP Corrected For Baseline

DGA Apparent Grain Density

Payflag If: PHIE > 2 , VCL < 40 , SPC > -10 , SW < 50 & DCAL < 11

Recorded By C. Desaire

Witnessed By Kitt Noah

Analysis By Dale Legleiter

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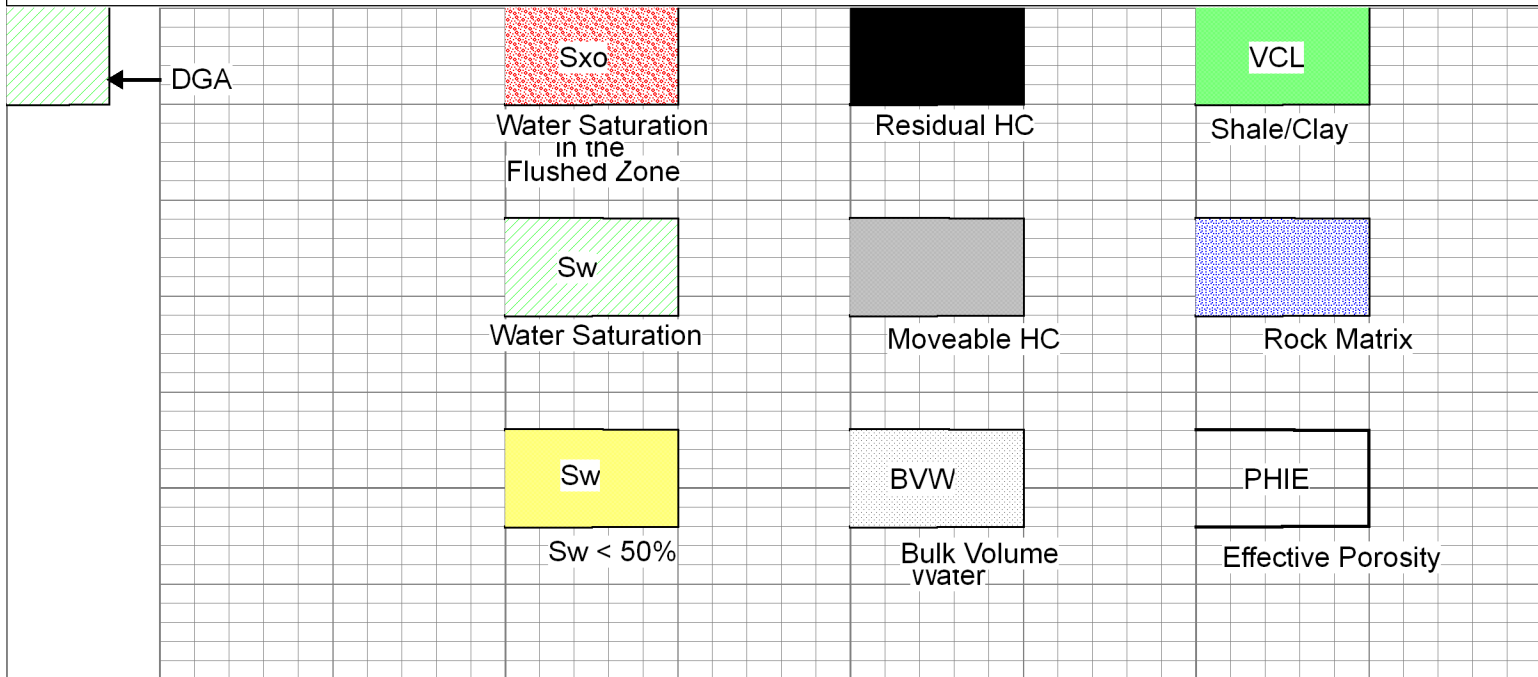
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Comments

Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

Russell KS, S to County Line,
2 S to 210 Rd, 1 3/4 W, S Into

Database File: c:\warrior\data\cross plots\2wxplt.db
Dataset Pathname: litho
Presentation Format: 2wxplt
Dataset Creation: Thu Apr 24 14:32:02 1997



Database File: c:\warrior\data\russell_charles #1-16\rohd.db
 Dataset Pathname: cpi/russcpi
 Presentation Format: calc
 Dataset Creation: Wed Feb 18 11:41:27 2015
 Charted by: Depth in Feet scaled 1:240

DGA	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1	
2.6	3.1	6	DCAL	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0	PERM	30			
								0.3	BVWSXO	0			

