



Pioneer Energy Services

Computer Processed Interpretation

API No. 15-109-21114-00-00

Company **New Gulf Operating, LLC**

Well **Byron #1-31**

Field

County **Logan**

State

Kansas

Location

1295' FSL & 1572' FEL

Other Services
DIL/CNL/CDL
MEL

Sec: **31**

Twp: **14S**

Rge: **34W**

Elevation

K.B. 3029
D.F. 3019
G.L. 3019

Permanent Datum

Ground Level
Kelly Bushing

Elevation 3019

10 Ft. Above Perm. Datum

Log Measured From

Kelly Bushing

10 Ft. Above Perm. Datum

Date Recorded

8/20/2012

Depth Logger

4784

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

BWMSXO 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 D. Schmidt

Witnessed By John Goldsmith

Analysis By Dale Legleiter

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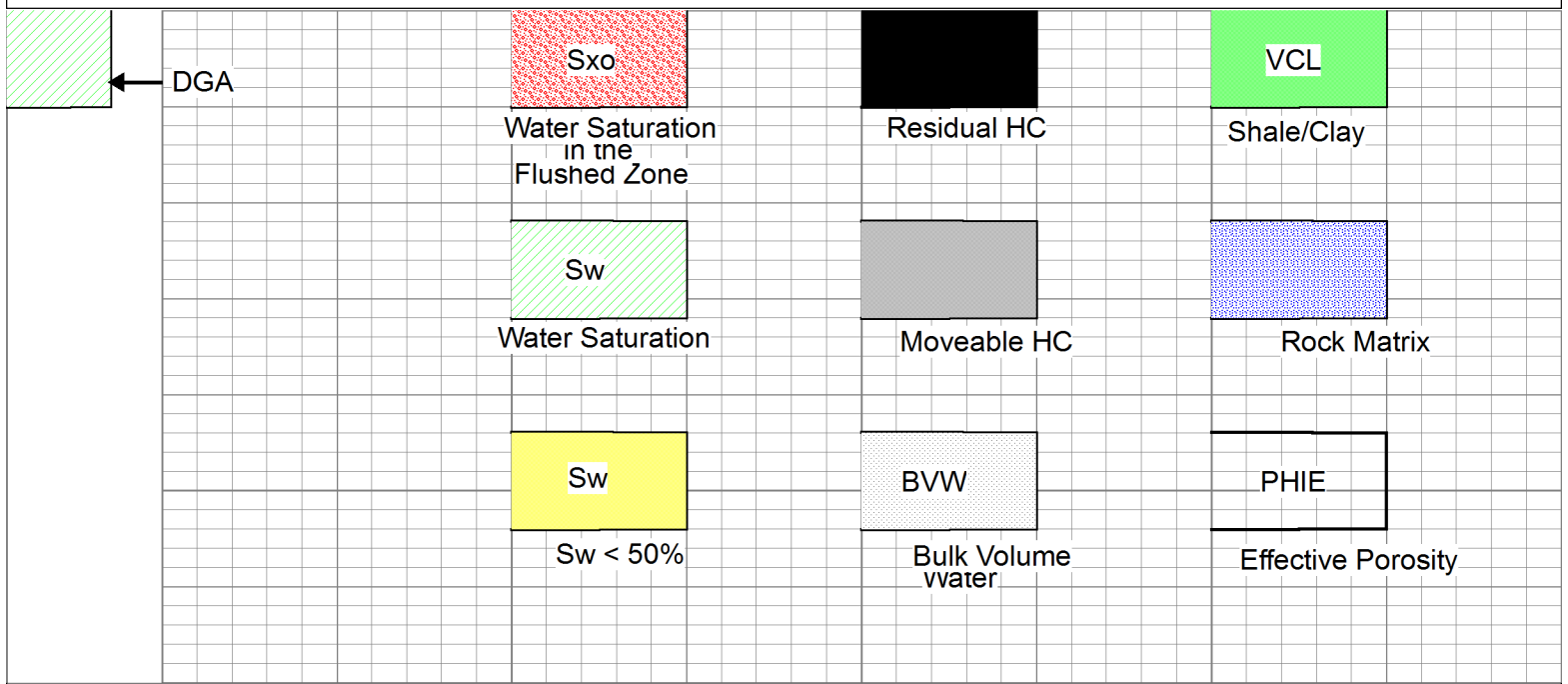
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Pioneer Energy Services
www.pioneer.com
785 625 3858

Russell Springs,
1 East to Rd 270, 8 /14 South to Gold Road,
2 1/2 East to location

Database File: c:\warrior\data\cross plots\2wxplt.db
Dataset Pathname: litho
Presentation Format: 2wxplt



Database File: c:\warrior\data\new gulf_byron #1-31\newgulf_082012hd.db
 Dataset Pathname: cpi/ngcpi
 Presentation Format: calc
 Dataset Creation: Mon Aug 20 21:38:45 2012
 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			

