



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26,360-00-00

Company John O. Farmer, Inc.
Well Froelich C No. 1 - 31
Field Emmerman Northeast
County Ellis State Kansas

Location

1050' FNL & 990' FEL

Sec: 27 Twp: 12 S Rge: 16 W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 1948
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation

K.B. 1956
D.F.
G.L. 1948

Date 9/4/2012

Run Number One

Type Log CNL / CDL

Depth Driller 3500

Depth Logger 3505

Bottom Logged Interval 3503

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 2000

Density 8.8

Level Full

Max. Rec. Temp. F 111

Operating Rig Time 4 1/2 Hours

Equipment -- Location 17 Days

Recorded By D. Martin

Witnessed By Austin Klaus

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 230 8.625 24# 00 230

2 7.875 230 3500

Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Walker, KS
I-70 Exit, 6 1/2 N to Emmerman Rd.,
1 W, 1 N Hopewell, 1/2 E, N Into

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
		Correction	0.25
LSPD			











