



Pioneer Energy Services

## Dual Compensated Porosity Log

15-109-21,357-00-00

API No.

Company **Lario Oil & Gas Company**  
 Well **Krebs A #5-34**  
 Field **Elkader Townsite**  
 County **Logan** State **Kansas**

Location **335' FNL & 1980' FWL**  
 Sec: **34** Twp: **14S** Rge: **32W**

Other Services  
 DIL  
 MEL

Permanent Datum **Ground Level** Elevation **2645**  
 Log Measured From **Kelly Bushing** 11 Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

K.B. 2656  
 D.F. G.I.L. 2645

Date	11/28/2014	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4400	
Depth Logger	4404	
Bottom Logged Interval	4383	
Top Logged Interval	3200	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	2500	
Density	9.2	
Level	Full	
Max. Rec. Temp. F	120	
Operating Rig Time	4 Hours	
Equipment -- Location	15 Hays	
Recorded By	D.Kerr	
Witnessed By	Steve Davis	

**Borehole Record**

Run No	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	235	8.625	24#	00	235
2	7.875	235	4400				

**Casing Record**

Run No	Bit	From	To
1	12.25	00	235
2	7.875	235	4400

<<< Fold Here >>>

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  
 Oakley KS, South to Smoky River, 1/4 South,  
 1/2 West and South, North Into

Database File: c:\warrior\data\lario\_krebs a #5-34\lario\_krebs\_a\_5\_34hd.db  
 Dataset Pathname: DIL/lariostk  
 Presentation Format: cdl  
 Dataset Creation: Fri Nov 28 09:47:34 2014  
 Charted by: Depth in Feet scaled 1:600

6	Gamma Ray	150
	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

















