



Pioneer Energy Services

## Dual Compensated Porosity Log

API No. 15-007-24197-00-00

Company Indian Oil Company, Inc.  
Well Banks North # 1  
Field Amber Creek  
County Barber  
State Kansas

Location 2310' FNL & 2450' FWL

Sec: 36 Twp: 30 S Rge: 12 W

Other Services  
DIL

Permanent Datum Ground Level Elevation 1669  
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Elevation  
K.B. 1677  
D.F. 1669  
G.L. 1669

Date	07-15-2014	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4510	
Depth Logger	4509	
Bottom Logged Interval	4488	
Top Logged Interval	3200	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	8500	
Density	9.3	
Level	Full	
Max. Rec. Temp. F	121	
Operating Rig Time	3 Hours	
Equipment -- Location	17 Hays	
Recorded By	Y. Ruiz	
Witnessed By	Scott Alberg	

Borehole Record		Casing Record	
Run No	Bit	From	To
One	12.25	00	356
Two	7.875	356	TD

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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 Log-Tech, Inc.  
(785) 625-3858

Medicine Lodge,  
North to 99 Spring Rd, 1 East,  
South into

Database File: indian\_oil\_banks\_north\_1\_hd.db  
Dataset Pathname: DIL/instk  
Presentation Format: cdl  
Dataset Creation: Tue Jul 15 15:10:54 2014  
Charted by: Depth in Feet scaled 1:600

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

















