



Pioneer Energy Services

## Dual Compensated Porosity Log

Company **Culbreath Oil & Gas, Inc.**

Well **Mader No. 1-12**

Field  
County **Sheridan** State **Kansas**

Location  
**990' FNL & 990' FEL**

Sec: **12** Twp: **10s** Rge: **26w**

Permanent Datum **Ground Level** Elevation **2544**  
 Log Measured From **Kelly Bushing** **7** Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

Other Services  
DIL/MEL  
Elevation  
K.B. 2551  
D.F. G.I.L. 2544

15-179-21,362-00-00

Date	7/4/2014						
Run Number	One						
Type Log	CNL / CDL						
Depth Driller	4100						
Depth Logger	4096						
Bottom Logged Interval	4075						
Top Logged Interval	3600						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	5000						
Density	9.4						
Level	Full						
Max. Rec. Temp. F	117						
Operating Rig Time	4 Hours						
Equipment -- Location	108   Hays						
Recorded By	J. Henrickson						
Witnessed By	Anthony Luna						
Borehole Record							
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	262	8.625	23#	00	262
Two	7.875	262	TD				
Casing Record							

<<< 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 Log-Tech, Inc.  
 (785) 625-3858  
 Collyer KS, West to 78 Rd., North to 110 Rd., East Into.

Database File:	culnreath_mader_1-12hd.db
Dataset Pathname:	DIL/culstk
Presentation Format:	cdl
Dataset Creation:	Fri Jul 04 12:57:50 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
LSPD			







