

# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **Red Oak Energy, Inc.**  
LEASE **Headquarters #2-35**

FIELD **Wildcat**  
LOCATION **1935' FSL & 1833' FWL**

SEC **35** TWSP **29S** RGE **16W**  
COUNTY **Kiowa** STATE **Kansas**

CONTRACTOR **Fossil Rig #2**  
SPUD **3/27/14** COMP **4/4/14**

RTD **4950'** LTD **4958'**  
MUD UP **3500'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3700'** TO **RTD**  
DRILLING TIME KEPT FROM **3700'** TO **RTD**  
SAMPLES EXAMINED FROM **3700'** TO **RTD**

GEOLOGICAL SUPERVISION FROM **3700'**  
REFERENCE WELL **DILL, CND.**

FORMATION **Weatherford**

Formation	Sample Tops	E-log Tops	Struct. Feas.
Heebner Sh.	3840 (-1952)	3830 (-1942)	
Lansing	4028 (-2140)	4030 (-2142)	
Dennis	4274 (-2384)	4278 (-2378)	
Marmaton	4430 (-2442)	4430 (-2463)	
Cherokee Sh.	4514 (-2626)	4410 (-2622)	
Kindhook Chert	4582 (-2694)	4584 (-2696)	
Viola	4695 (-2807)	4699 (-2811)	
Arbuckle	4928 (-3040)	4928 (-3040)	
Miss			

GL 1880'  
Measurements Are All From Kelly Bushing

CASING  
CONDUCTOR  
SURFACE 8-5/8" at 308'  
PRODUCTION

ELECTRICAL SURVEYS  
Weatherford

ELEVATIONS  
KB 1888'

REMARKS  
The Headquarters #2-35 was drilled and evaluated through sample, DST, and Log Analysis. Based on this analysis, the operator elected to allow Beren to take over the well. The Microlog was not able to be completed because of a Weatherford tool error.

Respectfully Submitted,  
  
Sean P. Deenihan

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