API #15-171-21168

Section 37, LLC

API #15-171-21168

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY	Red Oak Energy, Inc.	ELEVATIONS	
FIELD	ST Wildcat	KB	3055'
RIG NUMBER	31	DF	
SECTION	37	GL	3045'
TOWNSHIP	17S	RGE	33W
COUNTY	Scott	STATE	Kansas
SPUD	9/16/16	COMP	9/26/16
TOTAL DEPTH	4925'		
CASING			
SURFACE SIZE	8 5/8" @ 222'		
PRODUCTION SIZE			
FORMATION TESTING	DST (3)		
DRILLING CONTRACTOR	Mission Drilling, Rig #31		
MUD TYPE	Chemical		
MUD CO.	Mission		
TYPE MUD	Chemical		
SAMPLES SAVED FROM	3700' TO RTD		
DRILLING TIME KEPT FROM	3800' TO RTD		
SAMPLES EXAMINED FROM	3700' TO RTD		
GEOLOGICAL SUPERVISION FROM	3700' TO RTD		
GEOLOGIST	Sean Deenihan		

ELECTRICAL SURVEYS
Renaissance, L.L.C.
DIL, CNS, MDL, SON

Measurements All
From Kelly Bushing

Respectfully Submitted,

Sean P. Deenihan

REMARKS The ST-SI Unit will be further evaluated through 5.5" production casing.

Formation	Sample Tops	Log Tops	Diff.
Heebner Sh.	4007 (-919)	4007 (-919)	
Lansing	4053 (-965)	4053 (-965)	
Muncie Creek	4238 (-1150)	4238 (-1150)	
Stark Sh.	4338 (-1250)	4338 (-1250)	
Hushpuckney	4374 (-1286)	4374 (-1286)	
Pawnee	4562 (-1474)	4562 (-1474)	
Ft. Scott	4614 (-1526)	4614 (-1526)	
Cherokee	4642 (-1553)	4642 (-1553)	
Johnson	4678 (-1590)	4678 (-1590)	
Morrow Sh.	4766 (-1678)	4766 (-1678)	
Mississippi	4720 (-1732)	4720 (-1732)	0

ROP (min/ft)
Gamma (API)
Depth (MD)
Remarks
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
ROP 30-min avg
ROP 30-min avg
ROP 30-min avg