

<b>Marc A. Downing</b>		<b>Geologic Report</b>			
<b>Consulting Petroleum Geologist</b>		<b>Drilling Time and Sample Log</b>			
Operator <b>Downing-Nelson Oil Co., Inc.</b>		Elevation		KB 2107	
Lease <b>Sunley-Curtain</b> No. 1-26		DF 2105		GL 2099	
API # <b>15-051-26764-0000</b>		Casing Record Surface			
Field <b>Antonino</b>		8 5/8" @ 221'			
Location <b>680' FNL &amp; 1665' FWL</b>		Production 5 1/2" @ 3833'			
Sec. 26 Twp. 14s Rge. 19w		Electrical Surveys			
County <b>Ellis</b> State <b>Kansas</b>		CN DL, DIL, MEL			
Formation	Sample tops	Log Tops	Datum	Struct Comp	
Top Anhydrite	1369	1369	+738	+	
Base Anhydrite	1411	1414	+693	NA	
Topoka	3124	3128	-1021	NA	
Heebner	3381	3384	-1277	+8	
Toronto	3404	3404	-1297	+11	
LKC	3429	3430	-1323	+10	
BKC	3669	3671	-1564	+15	
Marmaton	3710	3712	-1605	NA	
Arbuckle	3736	3738	-1631	NA	
Total Depth	3834	3836	-1729		
Reference Well For Structural Comparison D.G. Hansen					
Feitz #1 W/2 W/2 NW		Sec. 26-14s-19w			

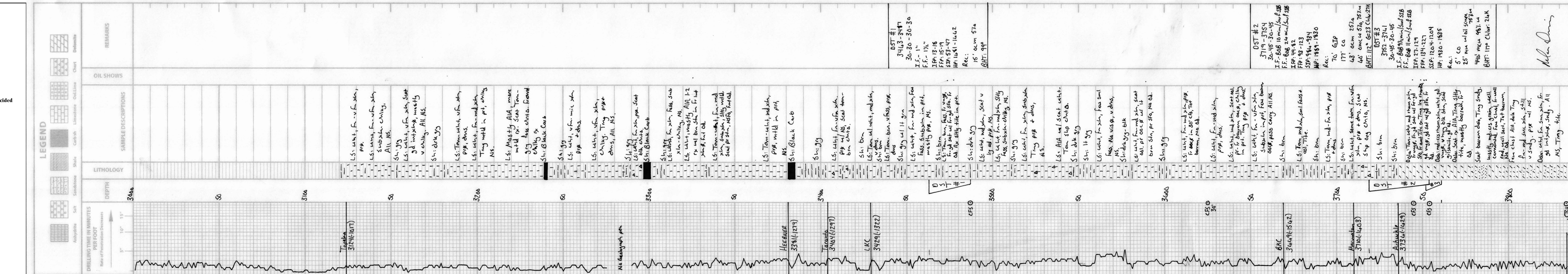
Drilling Contractor	<b>Discovery Drilling, Rig #1</b>	
Commenced	1-15-15	Completed 1-21-15
Samples Saved From	3100	To RTD
Drilling Time Kept From	3000	To RTD
Samples Examined From	3100	To RTD
Geological Supervision From	3000	To RTD

**Summary and Recommendations**

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion in the Arbuckle.

Respectfully Submitted,

Marc A. Downing



**REMARKS**

DST #1  
3463-3467  
30-30-30-30  
I.F. - 1"  
F.F. - 1 1/2"  
I.F.P. 13-16  
F.F.P. 15-19  
S.P. 53-47  
H.P. 1681-1682  
Rec.:  
15' acm 5 1/4"  
BHT: 99'

DST #2  
3179-3754  
30-45-30-45  
I.F. - 808 10 min / Surf 508  
F.F. - 808 24 min / Surf 508  
I.F.P. 49-82  
F.F.P. 93-123  
S.P. 94-934  
H.P. 1889-1830  
Rec.:  
70' GIP  
177' ca  
43' acm 25 1/4"  
46' oml w 5 1/2, 75 x m  
BHT: 112' G=23 Chl: 27K

DST #3  
3752-3741  
30-45-30-45  
I.F. - 808 9 1/2 min / Surf 508  
F.F. - 808 11 min / Surf 508  
I.F.P. 27-129  
F.F.P. 134-227  
S.P. 120.4-120.4  
H.P. 1930-1895  
Rec.:  
5' CO  
25' min w/ oil surge  
44B MCA 967. w  
BHT: 170' Chlor: 26K

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