

Marc A. Downing		Geologic Report			
Consulting Petroleum Geologist		Drilling Time and Sample Log			
Operator Downing-Nelson Oil Co., Inc.		Elevation KB 2450 DF 2448 GL 2442			
Lease Walt "C" No. 1-4		Casing Record Surface 8 5/8" @ 220' Production 5 1/2" @ 4054'			
API # 15-065-24030-0000		Electrical Surveys CNL/CDL, DIL, MEL			
Field Holley		Location 330' FSL & 2550' FEL			
Sec. 4	Twp. 9s	Rge. 24w			
County Graham State Kansas					
Formation	Sample tops	Log Tops	Datum	Struct Comp	
Top Anhydrite	2148	2147	+303	NA	
Base Anhydrite	2185	2182	+268	NA	
Topeka	3528	3526	-1076	NA	
Heebner	3744	3741	-1291	+3	
Toronto	3768	3765	-1315	NA	
LKC	3782	3780	-1330	+3	
BKC	4005	4004	-1554	+6	
Total Depth	4055	4055	-1605		
Reference Well For Structural Comparison	Champlin SE SW SE		Sec. 4-9s-24w		

Drilling Contractor	Discovery Drilling, Rig #1	
Commenced	4-8-14	Completed 4-14-14
Samples Saved From	3700	To RTD
Drilling Time Kept From	3400	To RTD
Samples Examined From	3700	To RTD
Geological Supervision From	3400	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.

Respectfully Submitted,
Marc A. Downing

