

<b>Marc A. Downing</b>		<b>Geologic Report</b>	
<b>Consulting Petroleum Geologist</b>		<b>Drilling Time and Sample Log</b>	
<b>Operator Downing-Nelson Oil Co., Inc.</b>		KB Elevation 2493	
<b>Lease Wendelin Herman No. 2-30</b>		DF 2491	
<b>API # 15-065-23998-0000</b>		GL 2485	
<b>Field Wildcat</b>		<b>Casing Record</b>	
<b>Location 1115' FSL &amp; 1915' FWL</b>		Surface 8 5/8" @ 222'	
<b>Sec. 30 Twp. 9s Rge. 23w</b>		Production 5 1/2" @ 4115'	
<b>County Graham State Kansas</b>		<b>Electrical Surveys</b>	
		CNL/CDL, DIL, MEL	
<b>Formation</b>	<b>Sample tops</b>	<b>Log Tops</b>	<b>Datum</b>
Top Anhydrite	2110	2113	+380
Base Anhydrite	2150	2150	+343
Topeka	3600	3600	-1107
Heebner	3814	3814	-1321
Toronto	3838	3838	-1345
LKC	3854	3854	-1361
BKC	4072	4072	-1579
<b>Total Depth</b>	<b>4115</b>	<b>4117</b>	<b>-1624</b>
<b>Reference Well For Structural Comparison</b>	<b>DNOCI</b>		
Wendelin Herman #1-30	335' FSL & 2425' FWL		Sec. 30-14s-19w

<b>Drilling Contractor</b>	<b>Discovery Drilling, Rig #1</b>	
Commenced	1-25-14	Completed 1-30-14
Samples Saved From	3800	To RTD
Drilling Time Kept From	3500	To RTD
Samples Examined From	3800	To RTD
Geological Supervision From	3500	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.

Perforate:  
 LKC "H" 3981-3984  
 LKC "C" 3880-3882

Respectfully Submitted,

Marc A. Downing

