

Marc A. Downing
Geologic Report
Consulting Petroleum Geologist
Drilling Time and Sample Log

Operator **Downing-Nelson Oil Co., Inc.**
 Lease **Gloria** No. **1-25**
 Elevation
 KB **2118**
 DF **2116**
 GL **2109**

API # **15-165-22150-0000**
 Field **Wildcat**
 Location **530' FSL & 330' FEL**
 Sec. **25** Twp. **17s** Rge. **19w**
 County **Rush** State **Kansas**

Formation **Sample tops** **Log Tops** **Datum** **Struct Comp**
 Top Anhydrite 1270 1281 +836 +6
 Base Anhydrite 1313 1312 +805 +3

Topoka 3157 3158 -1041 +4
 Heebner 3447 3448 -1331 +10
 Toronto 3466 3466 -1349 +10
 LKC 3498 3498 -1381 +11
 BKC 3765 3766 -1649 +11

Marmaton 3811 3812 -1695 +13
 Arbuckle 3849 3850 -1733 +10

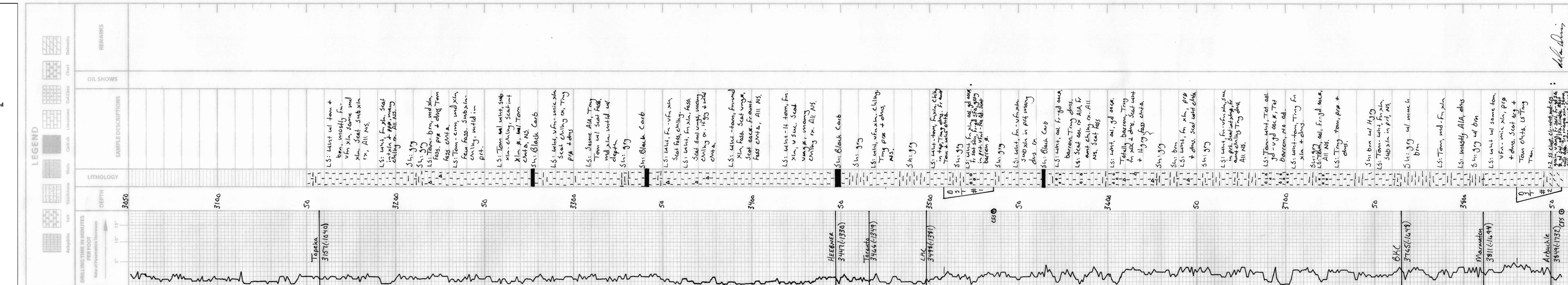
Total Depth 3855 3858 -1741

Reference Well For Structural Comparison Icer Addis
 King #1 C SW SE Sec. 25-17s-19w

Discovery Drilling, Rig #4
 Commenced **8-14-17** Completed **8-20-17**
 Samples Saved From **3150** To **RTD**
 Drilling Time Kept From **3050** To **RTD**
 Samples Examined From **3150** To **RTD**
 Geological Supervision From **3050** 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



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