

Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator Downing-Nelson Oil Co., Inc.		Elevation	
Lease Younger No. 1-2		KB 2325	
API # 15-195-23012-0000		DF 2323	
Field Wildcat		GL 2317	
Location 582' FNL & 1224' FWL		Casing Record Surface	
Sec. 2 Twp. 14s Rge. 22w		8 5/8" @ 246'	
County Trego State Kansas		5 1/2" @ 4304'	
Formation		Electrical Surveys	
Sample tops		CNDL, DIL, MEL, Sonic	
Log Tops		Datum	
Top Anhydrite		Struct Comp	
Base Anhydrite			
Topeka		3434	
Heebner		3670	
Toronto		3686	
LKC		3702	
BKC		3951	
Marmaton		4051	
Cherokee Sh.		4101	
Conglomerate Sand 1		4147	
Conglomerate Sand 2		4161	
Mississippi		4173	
Reworked Arbuckle		4267	
Total Depth		4304	
Reference Well For Structural Comparison		DNOCI	
Fabrizius-Younger #1-35		130' FSL & 1360' FWL	
		Sec. 35-13s-22w	

Drilling Contractor	Discovery Drilling, Rig #3
Commenced	11-4-16
Completed	11-12-16
Samples Saved From	3400 To RTD
Drilling Time Kept From	3300 To RTD
Samples Examined From	3400 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

