

Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator Downing-Nelson Oil Co., Inc.		KB Elevation 2044	DF 2042
Lease Heidi No. 1-31		GL 2036	
API # 15-165-22098-0000		Casing Record Surface	
Field Wildcat		8 5/8" @ 1169'	
Location 1804' FSL & 1087' FWL		Production None	
Sec. 31	Twp. 18s	Rge. 17w	Electrical Surveys
County Rush State Kansas			CNDL, DIL, MEL, SONIC
Formation	Sample tops	Log Tops	Datum
Top Anhydrite	1158	1159	+885
Base Anhydrite	1185	1186	+858
Heebner	3372	3372	-1328
Toronto	3390	3388	-1344
LKC	3423	3423	-1379
BKC	3690	3689	-1645
Arbuckle	3788	3787	-1743
Total Depth	3895	3895	-1851
Reference Well For Structural Comparison DNOCI Ward #1-31		1800' FNL & 350' FWL	
		Sec. 31-18s-17w	

Drilling Contractor	Discovery Drilling, Rig #3	
Commenced	10-25-14	Completed 10-31-14
Samples Saved From	3350	To RTD
Drilling Time Kept From	3250	To RTD
Samples Examined From	3350	To RTD
Geological Supervision From	3250	To RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,

Marc A. Downing

