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

Operator **Downing-Nelson Oil Co., Inc.**

Lease **Hildebrand** No. **4-19**

API # **15-065-24003-0000**

Field **Ernst West**

Location **680' FSL & 2310' FWL**

Sec. **19** Twp. **9s** Rge. **23w**

County **Graham** State **Kansas**

Elevation: KB **2447**, DF **2445**, GL **2439**

Casing Record: Surface **8 5/8" @ 215'**, Production **None**

Electrical Surveys: **None**

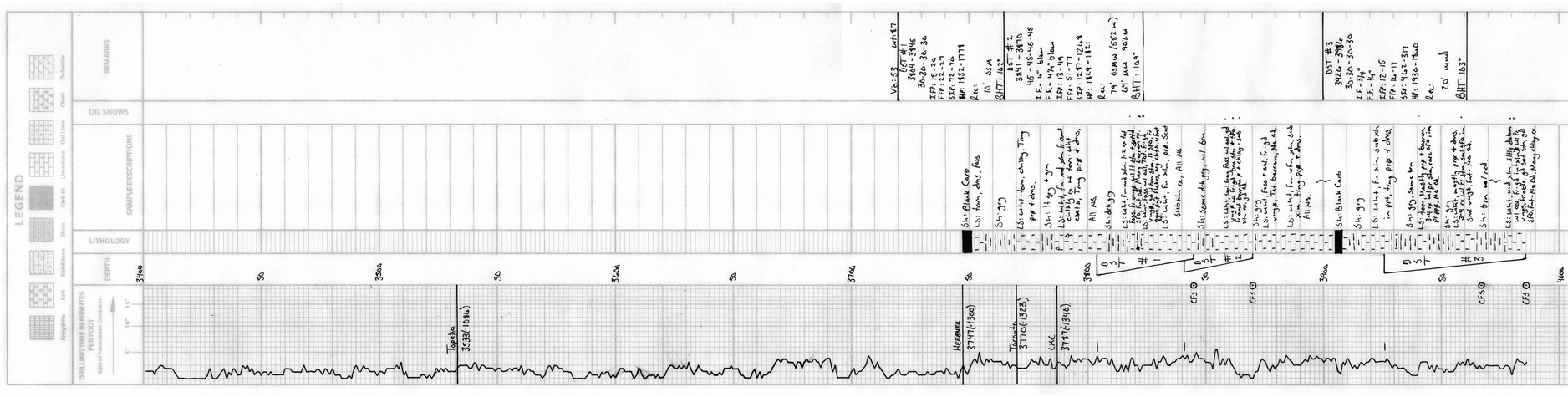
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	2065		+382	+7
Base Anhydrite	2106		+341	FL
Topeka	3533		-1086	+5
Heebner	3747		-1300	+3
Toronto	3770		-1323	+6
LKC	3787		-1340	+5
Total Depth	3986		-1539	

Reference Well For Structural Comparison **Zenith Drilling Corp. Dechant "F" #1** SW-SW-SE Sec. 25-14s-19w

Drilling Contractor	**Discovery Drilling, Rig #1**			
Commenced	**1-18-14**	Completed		**1-23-14**
Samples Saved From	**3750**	To		**RTD**
Drilling Time Kept From	**3400**	To		**RTD**
Samples Examined From	**3750**	To		**RTD**
Geological Supervision From	**3400**	To		**RTD**

Summary and Recommendations

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

Respectfully Submitted,

Marc A. Downing