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

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

Lease **Meckfessel** No. **1-17**

API # **15-145-21758-0000**

Field **Badger Hill East**

Location **1040' FNL & 2005' FEL**

Sec. **17** Twp. **23s** Rge. **18w**

County **Pawnee** State **Kansas**

Elevation 2190
KB
DF
GL **2177**

Casing Record
Surface
8 5/8" @ 1296'
Production

Note
Electrical Surveys
CNDL, DIL, MEL

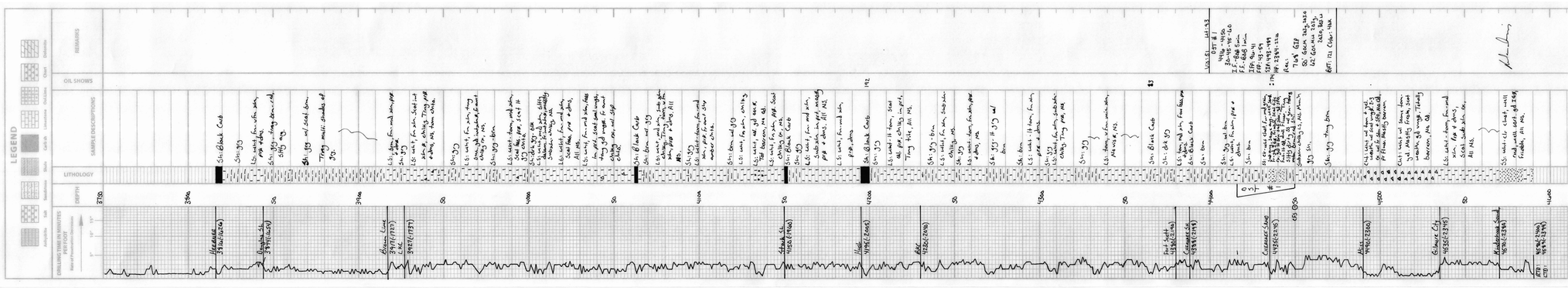
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	NA	1287	+903	+6
Base Anhydrite	NA	1306	+884	+5
Hushpuc	2816	2812	-1422	-3
Douglas Sh	2844	2841	-1451	-6
Brown Lime	2917	2915	-1725	FL
LKC	2927	2924	-1734	FL
BKC	4230	4228	-2038	+1
Fort Scott	4280	4277	-2187	-3
Cherokee Sand	4435	4432	-2242	-3
Miss	4490	4487	-2297	-12
Gilmore City	4535	4533	-2343	-7
Kinderhook Sand	4570	4566	-2376	-25
Total Depth	4590	4589	-2399	

Reference Well For Structural Comparison **Berexco**
Stueckemann #1-17 **950' FNL & 2080' FWL** **Sec. 17-23s-18w**

Drilling Contractor	Nimnescah Drilling		
Commenced	5-28-14	Completed	6-4-14
Samples Saved From	3800	To	RTD
Drilling Time Kept From	3750	To	RTD
Samples Examined From	3800	To	RTD
Geological Supervision From	3750	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