Marc A. Downing
Consulting Petroleum Geologist

Geologic Report

Drilling Time and Sample Log

Operator	**H&C Oil Operating, Inc.**	Elevation	
Lease	**Bakel**	No. **30-2**	KB **2565**
API #	**15-065-24006-0000**		DF **2563**
Field	**Driel**		GL **2558**
Location	**950' FNL & 620' FWL**		Casing Record: Surface **8 5/8" @ 263'**; Production **None**
Sec. **30**	Twp. **9s**	Rge. **24w**	Electrical Surveys: **CNL/CDL, DIL, MEL**
County **Graham**	State **Kansas**		

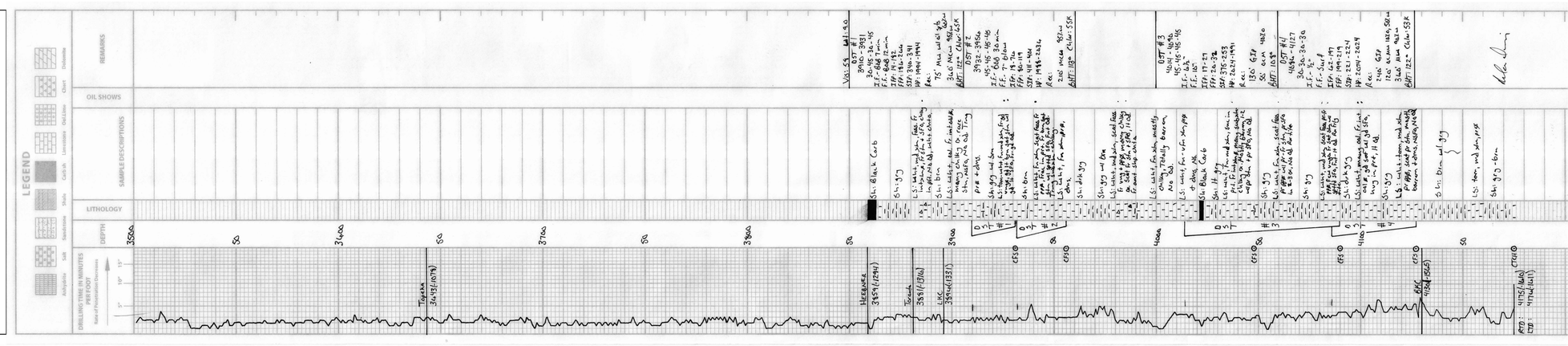
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	2233	2232	+333	-8
Base Anhydrite	2268	2268	+297	-10
Topeka	3643	3642	-1077	-7
Heebner	3859	3857	-1292	-8
Toronto	3881	3880	-1315	-7
LKC	3896	3895	-1330	-7
BKC	4130	4128	-1563	-10
Total Depth	4175	4176	-1611	

Reference Well For Structural Comparison — **H&C Oil Operating, Inc.**
Bakel 830-1 — **1650' FNL & 330' FWL** — **Sec. 30-9s-24w**

Drilling Contractor	**American Eagle, Rig #2**		
Commenced	**2-22-14**	Completed	**2-28-14**
Samples Saved From	**3850**	To	**RTD**
Drilling Time Kept From	**3500**	To	**RTD**
Samples Examined From	**3850**	To	**RTD**
Geological Supervision From	**3500**	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