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

Operator **H&C Oil Operating, Inc.**

Lease **Richmeier** No. **35-1**

API # **15-065-24005-0000**

Field **Wildcat**

Location **400' FNL & 2640' FWL**

Sec. **35** Twp. **8s** Rge. **25w**

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

Elevation
KB 2434
DF
GL 2427

Casing Record
Surface 8 5/8" @ 262'
Production 5 1/2" @ 4024'

Electrical Surveys
CNL/CDL, DIL, MEL

Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	2146	2146	+288	+10
Base Anhydrite	2172	2180	+254	+10
Topeka	3501	3501	-1067	FL
Heebner	3716	3716	-1282	FL
Toronto	3739	3740	-1306	FL
LKC	3754	3754	-1320	+2
BKC	3976	3976	-1542	-1
Total Depth	4025	4027	-1593	

Reference Well For Structural Comparison **H&C Oil Operating, Inc.**
Minium #26-1 **890' FSL & 1650' FWL** **Sec. 26-8s-25w**

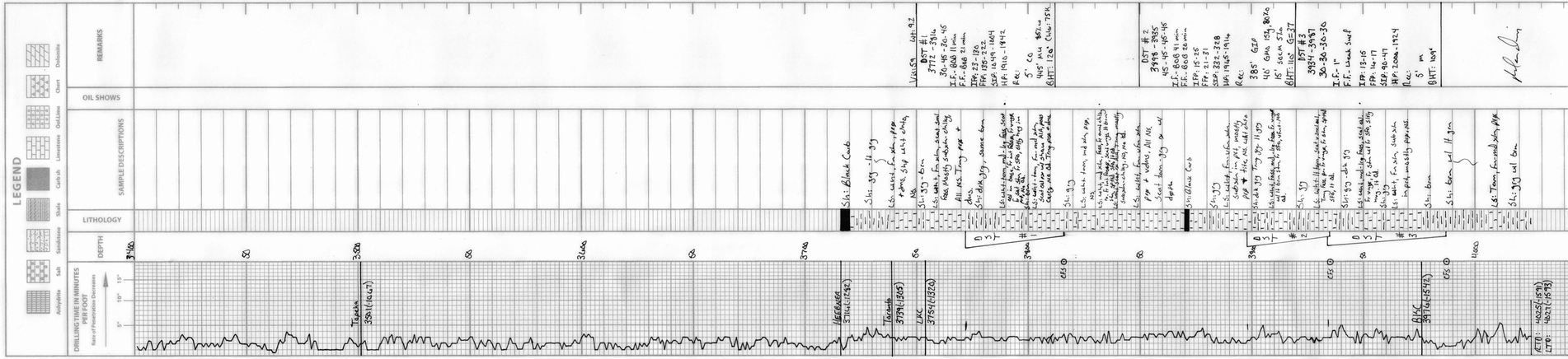
Drilling Contractor	**American Eagle, Rig #2**		
Commenced	**11-19-14**	Completed	**11-26-14**
Samples Saved From	**3700**	To	**RTD**
Drilling Time Kept From	**3400**	To	**RTD**
Samples Examined From	**3700**	To	**RTD**
Geological Supervision From	**3400**	To	**RTD**

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.

Perforate:

LKC J: 3927-3931
LKC I: 3911-3916

Respectfully Submitted,

Marc A. Downing