

Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator H&C Oil Operating, Inc.		Elevation KB 2530 DF GL 2523	
Lease Odle Olson No. 19-1		Casing Record Surface 8 5/8" @ 346' Production None	
API # 15-065-24039-0000		Electrical Surveys CNL/CDL, DIL, MEL	
Field Wildcat		Location 1320' FNL & 1900' FEL	
Sec. 19	Twp. 6s	Rge. 24w	
County Graham		State Kansas	
Formation	Sample tops	Log Tops	Datum
Top Anhydrite	2176	2174	+356
Base Anhydrite	2208	2207	+323
Topoka	3481	3479	-949
Heebner	3690	3687	-1157
Toronto	3712	3710	-1180
LKC	3727	3726	-1196
BKC	3910	3909	-1379
Total Depth	3965	3964	-1434
Reference Well For Structural Comparison King Oil Operating		Dougherty #1 NW NW NE Sec. 30-6s-24w	

Drilling Contractor	American Eagle, Rig #2	
Commenced	5-6-14	Completed 5-12-14
Samples Saved From	3450	To RTD
Drilling Time Kept From	3350	To RTD
Samples Examined From	3450	To RTD
Geological Supervision From	3450	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

