

Marc A. Downing		Geologic Report		
Consulting Petroleum Geologist		Drilling Time and Sample Log		
Operator H&C Oil Operating, Inc.		Elevation 2372		
Lease North Fork Farms No. 36-1		2364		
API # 15-195-22971-0000		Casing Record Surface		
Field Shaw Creek Southeast		8 5/8" @ 223' Production		
Location 1320' FSL & 500' FEL		None		
Sec. 36 Twp. 11s Rge. 22w		Electrical Surveys		
County Trego State Kansas		CNL/CDL, DIL, MEL, SONIC		
Formation	Sample tops	Log Tops	Datum	Struct Comp
Top Anhydrite	1817	1815	+557	+6
Base Anhydrite	1862	1860	+512	+5
Topeka	3411	3411	-1039	+12
Heebner	3628	3626	-1254	+15
Toronto	3653	3652	-1280	+8
LKC	3665	3664	-1292	+13
BKC	3902	3900	-1528	+16
Marmaton	3977	3976	-1604	+15
Re-worked Arbuckle	4042	4042	-1670	NA
Arbuckle	4063	4062	-1690	+38
Total Depth	4154	4154	-1782	
Reference Well For Structural Comparison Kansas Oil Corporation Musgrave #1 SE SW SE		Sec. 36-11s-22w		

Drilling Contractor	Discovery Drilling, Rig #1
Commenced	11-8-14
Completed	11-16-14
Samples Saved From	3400 To RTD
Drilling Time Kept From	3300 To RTD
Samples Examined From	3400 To RTD
Geological Supervision From	3300 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

