

Marc A. Downing Consulting Petroleum Geologist		Geologic Report Drilling Time and Sample Log			
Operator H&C Oil Operating, Inc.		Elevation 2209		KB	
Lease Cova Unit No. 27-1		2202		DF	
API # 15-065-24083-0000		Casing Record Surface		GL	
Field Mickelson		8 5/8" @ 263'		Production	
Location 2500' FNL & 150' FEL		None		Electrical Surveys	
Sec. 27 Twp. 8s Rgc. 22w		CNL/CDL, DIL, MEL			
County Graham State Kansas		Datum		Struct Comp	
Top Anhydrite	1782	1781	+428	NA	
Base Anhydrite	1816	1815	+394	NA	
Topeka	3201	3198	-989	NA	
Heebner	3419	3416	-1207	-11	
Toronto	3445	3442	-1233	-12	
LKC	3459	3456	-1247	-12	
BKC	3672	3669	-1460	-15	
Arbuckle	3817	3813	-1604	+1	
Total Depth	3865	3863	-1654		
Reference Well For Structural Comparison Jones-Shelburne-Farmer Mickelson "C" #2		NW SE NE		Sec. 27-8s-22w	

Drilling Contractor	American Eagle, Rig #2
Commenced	10-28-14
Completed	11-4-14
Samples Saved From	3200 To RTD
Drilling Time Kept From	3100 To RTD
Samples Examined From	3200 To RTD
Geological Supervision From	3100 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

