

Marc A. Downing		Geologic Report		
Consulting Petroleum Geologist		Drilling Time and Sample Log		
Operator Double "D's" LLC		KB 1978	Elevation	
Lease Reichert No. 4		DF 1976		
API # 15-051-26837-0000		GL 1972		
Field Martina		Casing Record Surface		
Location 2503' FSL & 1495' FEL		8 5/8" @ 1174'		
Sec. 23 Twp. 15s Rgc. 19w		Production 5 1/2" @ 3658'		
County Ellis State Kansas		Electrical Surveys		
Formation Sample tops Log Tops Datum Struct Comp		CNDL, DIL, MEL		
Top Anhydrite	1161	1167	+811	-8
Base Anhydrite	NA	1207	+771	-4
Topeka	2962	2965	-987	-3
Heebner	3224	3229	-1251	-2
Toronto	3243	3248	-1270	-1
LKC	3270	3274	-1296	-1
BKC	3521	3522	-1544	+10
Marmaton	3552	3554	-1576	+12
Conglomerate Sand	3593	3596	-1618	+11
Arbuckle	3617	3619	-1641	+5
Total Depth	3663	3658	-1680	
Reference Well For Structural Comparison		Cla-Mar Oil Company		
Herl #1		C NW NW SE		
		Sec. 23-15s-19w		

Drilling Contractor	Royal Drilling, Rig #1	
Commenced	8-2-16	Completed 8-10-16
Samples Saved From	2950	To RTD
Drilling Time Kept From	2850	To RTD
Samples Examined From	2950	To RTD
Geological Supervision From	2950	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.

Recommended Perforations:
 Conglomerate Sand: 3597-3599 (DST #5)
 LKC J: 3457-3460 (DST #4)
 LKC I: 3436-3438 (DST #4)
 LKC D: 3318-3320, 3326-3328 (DST #2)
 LKC A: 3274-3276 (Before Abandonment)

Respectfully Submitted,

 Marc A. Downing

