



Geologist's Report

Company: LD Drilling, Inc
Lease: Ernsting #2-1
Field: Chase-Silica
Surface Location: N2-S2-SE (990' FSL & 1320' FEL)
Sec: 1 Twp: 20S Rge: 12W
County: Barton State: Kansas
GL: 1787' KB: 1793'

Contractor: Royal Drilling Rig #1
Spud: 10/15/15 Comp: 124/15
RTD: 3359' LTD: NA
Mud Up: +/- 2500' Mud Type: Chemical Displaced

Drilling Time Kept From: 2700' to RTD
Samples Saved From: 2700' to RTD
Samples Examined: 2700' to RTD
Geoloigcal Supervision: 2950' to RTD
Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8"@ 360'
Production Casing: NA

Wireline Logs: NA

Well Comparison									
FORMATION	LD DRILLING ERSTING #2-1 1793 KB		LD DRILLING ERSTING #1-1 1792 KB		ISERN PETROLEUM #1 ERSTING 1789 KB				
	SAMPLE	SAMPLE SS	LOG	LOG SS	SAMPLE	SS			
ANHYDRITE			558	1234	566	1223			
BASE ANHYDRITE			577	1215	580	1209			
HEEBNER	2957	-1164	2957	-1165	2949	-1160			
TORONTO	2976	-1183	2972	-1180					
DOUGLAS	2987	-1194	2986	-1194					
BROWN LIME	3082	-1289	3080	-1288	3071	-1282			
LANSING	3100	-1307	3100	-1308	3088	-1299			
ARBUCKLE	NA	NA	3339	-1547	3341	-1552			
TOTAL DEPTH	3359	-1556	3463	-1671	3359	-1570			

Spot Location



ROCK TYPES			
	Chitcongl		shale, gm
	Lmst fw<7		shale, gry
	Carbon Sh		shale, red
	Siltst		

OTHER SYMBOLS

EVENTS		INTERVALS		DST	
	Left Casing Shoe		Core		DST Int
	RTF		DST		DST alt
	Sidewall				
	Left Casing Shoe				
	Right Casing Shoe				

