

Jeff Christian

PETROLEUM GEOLOGIST

Wichita, Kansas

GEOLOGIST'S REPORT	
DRILLING TIME AND SAMPLE LOG	
OPERATOR	MURFIN DRILLING CO., INC.
LEASE	BIXENMAN # 123
LOCATION	990' FSL & 2310' BBL
SEC.	23
TWP.	9 S
RNG.	30 W
COUNTY	SHERIDAN
STATE	KANSAS
FIELD	LAGER
API	15-179-21284
CONTRACTOR	MURFIN DRILLING
DRILLING STAR	7/7/2011
DRILLING TIME	3550'
MUD DISPLACED	3550'
SAMPLES DRAWN FROM	3550'
GEOLOGICAL SUPERVISION FROM	RTD
ELEVATIONS	KB 2314'
MEASUREMENTS FROM KB	GL 2309'
ELECTRICAL SURVEYS:	
W/ 185 SK	
Production SW/W	
CASING RECORD	
Conductor: NONE	
Surface: 8.5/8" @ 263'	
W/ 185 SK	
Production SW/W	

DATE	7:00 AM DEPTH	REMARKS
7/29/11	0	SPUD 8:00 am
7/30/11	700'	dev. 1/4 deg. @ 263'
7/31/11	2200'	DRLG
8/1/11	2913'	DRLG
8/2/11	3780'	DRLG
8/3/11	4040'	TIH for DST #1 dev. 1 1/4 deg.
8/4/11	4160'	TOH w/ DST #2
8/5/11	4160'	DRLG
8/6/11	4330'	DRLG
8/7/11	4520'	DRLG. RTD 4616' @ 1:15 pm dev. 1 3/4 deg.

Remarks

5 1/2' production casing run to the Anhydrite for salt water disposal well.

Electric log measurements correlate about 1' to 2' high compared to rotary measurements.

Sample tops adjusted to the electric log.

Samples deposited at the Kansas Geological Survey.

Respectfully Submitted,

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