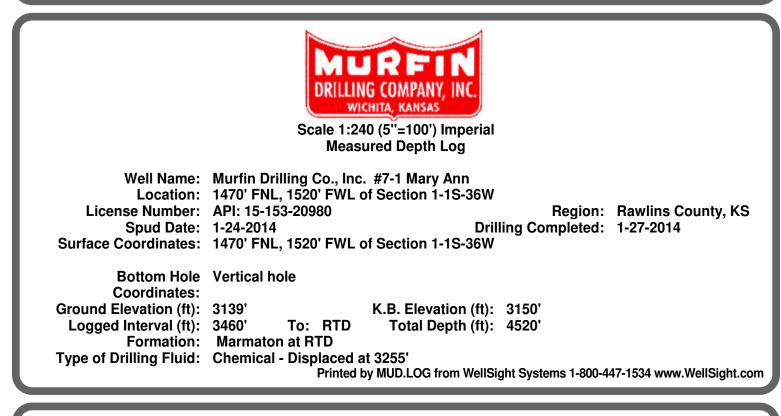


WESLEY D. HANSEN Consulting Petroleum Geologist

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## OPERATOR

Company: Murfin Drilling Co., Inc. Address: 250 N. Water Suite 300 Wichita, KS 67202

## GEOLOGIST

Name: Wesley D. Hansen Company: Wesley D. Hansen - Consulting Petroleum Geologist Address: 212 N. Market, Suite 257 Wichita, KS 67202 Office: 316-263-7313 Cellular: 316-772-6188

## COMMENTS

Contractor: Murfin Drilling Co., Inc. Rig #2 Pusher: Arturo Cabezas

Surface Casing: 8 5/8" set at 224' w/225 sx Production Casing: 5 1/2" set at 4515' w/450 sx

Mud by: Morgan Mud - Cade Lines was the engineer

DST's by: No DST's

Logs by: Pioneer Wireline (DIL, CN-CD, MEL, BHCS)

Deviation Surveys: 1/4 deg. @ 224'; 1/4 deg. @ 4520'

Bit # Size 1 12 1/4" 2 7 7/8"	MFG HTC HTC	BIT RECO Type FDS DP 506F	CORD Depth Out 224' 4520'		Footage Cut 224' 4296'	Hours on bit 1 1/2 35 1/4
FORMATION TOPS AND STRUCTURAL COMPARISON						
FORMATION	SAMPLE Depth I	TOPS Datum	LOG TO Depth	)PS Datum	COMPARISON MDC #5-1 Mar 900'FNL, 1075 Section 1-1S-3	y Ann ' FWL
Anhydrite B/Anhydrite Neva Red Eagle Foraker Topeka Oread Lansing Stark Shale BKC		-69 -35	3081' 3115' 3561' 3623' 3670' 3884' 3998' 4100' 4316' 4374'	+69 +35 -411 -473 -520 -734 -848 -950 -1166 -1224	+1 +2 +1 +2 flat +2 -2 +1 +1 +1	
RTD LTD	4520' -	1370	4521'	-1371	Ŧ	
Anhy Anhy Cht Coal Coal Congl Gyp Ls colorless Lmst	Sr Sr Sr Sr Sr Sr Sr	alt nale ncol ngy tst		Dol Dtd Gry sh Sandyln redshale Shale Sltstn		Shlysits Sitysh Sdy dolo Silty dolo Shy dolo Shaly Is

