

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 265' w/225 sx Production Casing: 5 1/2" set at 4998' w/550 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. @ 265'; 1/4 deg. @ 1012'; 1/2 deg. @ 1800'; 3/4 deg. @ 4482'

BIT RECORD					
Bit # Size 1 12 1/4" 2 7 7/8"	MFG HTC HTC	Type FDS DP 506	Depth Out 225' 5014'	Footage Cut 225' 4789'	Hours on bit 2 49 3/4
	FORMATION 1	OPS AND STI	RUCTURAL COMP	ARISON	
FORMATION	SAMPLE T Depth D 3141' KB		LOG TOPS Depth Datum 3141' KB	COMPARISO MDC #5-1 Mai 900'FNL, 1075 Section 1-1S-	ry Ann
Anhydrite B/Anhydrite Neva Red Eagle Foraker Topeka Oread Lansing Stark Shale BKC RTD LTD DDTD		-	3073' +68 3110' +31 3557' -416 3621' -480 3668' -527 3880' -739 3992' -851 4099' -958 4312' -1171 4372' -1231 4485' -1344	flat -2' -4 -5 -7 -3 -5 -7 -4 -6	
Anhy Anhy Cht Coal Coal Congl Gyp Ls colorle Lmst		t ale col 3y	C TYPES Dol Dtd Gry sh Sandyl redsha Shale Sltstn		Shiysits Sitysh Sdy dolo Silty dolo Shy dolo Shaly is















