

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5' = 100') Imperial

Measured Depth Log

Well Name:	Murfin Drilling Company Collingwood-Gilliam	Unit #1-2
Well Id:		
Location:	Approx SE SE NE SW Section 2-T22S-R39W	
License Number:	API 15-075-20876	
Spud Date:	March 22, 2014	Drilling Completed: April 6, 2014
Surface Coordinates:	1500 FSL & 2520 FWL Section 2-T22S-R39W	
Bottom Hole Coordinates:		
Ground Elevation (ft):	3413	K.B. Elevation (ft): 3424
Logged Interval (ft):	To: 5450	Total Depth (ft): 5450
Formation:	Mississippi RTD 5450 (-2026)	
Type of Drilling Fluid:	Chemical. Displaced @ 3287'. Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com	

OPERATOR

Company: Murfin Drilling Co., Inc.
Address: 250 N. Water Stree 300
Wichita, Kansas 67202

GEOLOGIST

Name: Michael K. Maune
Company: Consulting Petroleum Geologist - Kansas Licensed No. 210
Address: Wichita, Kansas

COMMENTS

Surface Casing: Spud @ 3:00 pm on 3/22/2014. Set 8 5/8" surf casing @ 334'. Allied cmt w/275xs of comm 3cc. PD @ 4:00 AM 3/23/2014.

Production Casing: 5 1/2" Csg to be set for further evaluation.

Deviation Surveys: 1/2 @ 338'; 3/4 @ 1000'; 3/4 @ 2500'; 1/4 @ 3500'; 3/4 @ 4310',

Gas Detector: Blue Stem Bloodhound Unit #0258.

Mud System: Mud-CO

DSTs: Trilobite Testing, Inc.

OH Logs: Pioneer Wireline Services, LLC
DIL, CNL/CDL, MEL/BHCS.

Note: The Rotary drilling time was correlated with the OH Logs. Drilling time depths appear to be 8 to 10 feet low to the OH Log depths. The Gamma Ray curve on this report has been adjusted downhole 9 feet to correlate with the drilling time plot.

OH Log Formation Tops: Base Anhydrite, Topeka 3672 (-248), Heebner 3953 (-529), Lansing 4005 (-581), Stark Sh 4348 (-924), BKC 4433 (-1009), Lenapah 4505 (-1081), Pawnee 4624 (-1200), Ft. Scott 4668 (-1244), Cherokee 4704 (1280), Morrow 4955 (-1531), Sst 4970 (-1546), Mississippi 5232 (-1808), LTD 5444 (-2020).

DST #1 (LKC H & I) 4240-4310/30-30-30. 1st Op: Sst Surface Blow died in 14 minutes. 2nd Op: NB. Recover: 5' Mud. IH 206# IFP 26-31#, SIP 90#, FFP 33-102#, FSIP 217#, FH 1953#, BHT 111 F

DST #2 (Morrow Sst) 4904-4993/30-60-60-90. 1st Op: BOB 5 1/2 min. 1st SI: Blow Back BOB in 12 minutes. 2nd Op: BOB immediately, GTS in 6 minutes, TSTM. 2nd SI: Blow Back BOB 10 minutes. Recover: 1280 GO (20% Gas, 80% Oil). Reversed out into vacuum transport truck. IH 2398#, IFP 80-304#, ISIP 1116#, FFP 273-482#, FSIP 1091#, FH 2302#. BHT 131 F.

ROCK TYPES

Congl	Lmst
Sdy solo	Mrist
Sdy solo	Salt
Dol	Shale
Gyp	Siltst
Sdy linst	Ss

Black sh
Gry sh
Shale
Syshst
Slysh



