

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5' = 10') Imperial
Measured Depth Log

Well Name: Murfin Drilling Company, Inc. Shaw #1-29
Location: Approx. SW NW NE NW Section 29-T5S-R30W
License Number: API: 15-039-21146
Spud Date: March 10, 2012
Surface Coordinates: 380' FNL 1400' FWL Section 29-T5S-R30W

Bottom Hole
Coordinates:
Ground Elevation (ft): 2921
Logged Interval (ft): 3600
Formation: K.B. Elevation (ft): 2926
Type of Drilling Fluid: RTD 4550 (-1624), LTD 4550 (-1624).
Chemical: Displaced at 3,260'.
Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

Region: Decatur Co, KS
Completed: March 20, 2012

OPERATOR

Company: Murfin Drilling Company, Inc.
Address: 250 N Water St STE 300
Wichita, KS 67202-1216

GEOLOGIST

Name: Mikeal K. Maune
Company: Petroleum Geologist - Kansas Licensed No. 210
Address: Wichita, Kansas
Office: 316-722-8173

COMMENTS

Surface Casing: 8 5/8" Csg set @ 282' w/225xx. Comm, (3%CC 2% Gel).
D&A. Plugging complete @ 6:30 pm 3/21/2012.
Deviation Surveys: 1/4 @ 282', 1/4 @ 1284', 1/4 @ 2297', 3/4 @ 3489', 3/4 @ 3988', 3/4 @ 4550' RTD.
Pipe Strap @ 3988'. Strap 3999.24', Board 3999.23', Strap long to Board .01'.

Murfin Drilling Rig #16 Bit Record:
#1 12 1/4" GT-C1 RR in @ GL, out @ 282'.
#2 7 7/8" Smith F124 in @ 222', out @ 4249'.
#3 7 7/8" HC GX20C in @ 4249', out @ 4550'.

Mud System: Morgan Mud, Inc.
DSTS: Trilobite Testing Inc. (5 DSTs)
OH Logging: Log-Tech, DLL, MEL, CNL/CDL, BHCS.

Correlation of the OH Log with the Drilling Time indicates OH Log depths & Drilling Time formation depths are approximately equal. The Gamma ray curve was imported directly into this log without any depth adjustment.

OH Log Formation Tops: Anhydrite 2626 (+300), Base Anhydrite 2650 (-266), Topeka 3734 (-808), Heebner 3906 (-980), Toronto 3939 (-1013), Lansing 3955 (-1029), Stark 4121 (-1195), BKC 4172 (-1246), Marmaton 4200 (-1274), Pawnee 4277 (-1351), L Pawnee 4319 (-1393), FT Scott 4350 (-1424), Cherokee 4362 (-1436), Sst 4381 (-1455), Miss Cht 4498 (-1572), RTD 4550 (-1624), LTD 4550 (-1624).

DST #1 (Toronto, LKC 'A' & 'B') 3906-3988/30-60-30-60. Slid Tool 10' to bottom. 1st Op: Weak SB increase to 1/2 inch. 2nd Op: No Blow. Recover: 60' Oil speckled Mud. IH 1915#, IFP 22-47#, ISIP 1260#, FFP 51-73#, FSIP 1243#, FH 1860#, BHT 115 F.

DST #2 (LKC 'F') 4009-4025/30-60-30-60. 1st Op: Weak SB increase to 1/8 inch. 2nd Op: No Blow. Recover: 5' Oil speckled Mud. IH 1994#, IFP 18-20#, ISIP 46#, FFP 20-20#, FSIP 32#, FH 1995#, BHT 116 F.

DST #3 (LKC 'J') 4084-4124/30-60-30-60. 1st Op: Weak SB increase to 1/4 inch. 2nd Op: No Blow. Recover: 5' Mud. IH 2034#, IFP 22-23#, ISIP 40#, FFP 25-25#, FSIP 36#, FH 2059#, BHT 116 F.

DST #4 (LKC 'K' & 'L') 4118-4180/30-60-30-60. 1st Op: Weak SB increase to 1/2 inch. 2nd Op: No Blow. Recover: 5' Oil spkmd Mud. IH 2060#, IFP 22-24#, ISIP 61#, FFP 24-25#, FSIP 44#, FH 2011#, BHT 115 F.

DST #5 (Cella Sst) 4356-4390/30-60-30-60. 1st Op: 1/4" Blow increase to 1 inch. 2nd Op: Surface Blow increase to 1/4". Recover: 1 ft FO, 24' OCM (5%Oil, 95% M). IH 2152#, IFP 21-30#, ISIP 1023#, FFP 33-38#, FSIP 854#, FH 2193#, BHT 119 F.

