

GEOLOGICAL REPORT

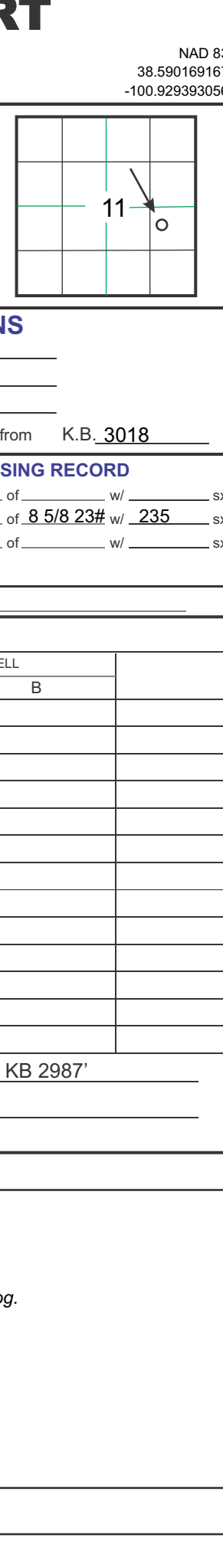
Larry A. Nicholson

NAD 83
38.590169167
-100.52936056

COMPANY & WELL: **Murfin Drilling Co. DAMW #11-11**
LOCATION: **2300' FSL 990' FEL S2 NW NE SE**
SEC: **11** TWP: **17S** RGE: **33W**
COUNTY: **Scott** STATE: **Ks**

COMPANY: **Murfin Drilling Company, Inc.**
API #: **15-171-21073** FIELD: **WELLS**
LEASE: **DAMW** WELL: **#11-11**
LOCATION: **S2 NW NE SE**
SURVEY: **2305' FSL 990' FEL**
SECTION: **11** TWP: **17S** RGE: **33W**
COUNTY: **Scott** STATE: **Kansas**

CONTRACTOR: **Murfin Drilling Company, Inc. Rig # 21**
SPUD: **4:00 pm 11-29-14** COMP: **K.B. 3018**
RTD: **4:18' 12:26 pm 12-09-14** LTD: **4815**
MUD UP AT: **3150**
MUD TYPE: **Chemical, Morgan Mud**
D.F.: **3007**
All measurements from: **K.B. 3018**



ELECTRICAL SURVEYS Pioneer, Den, Neu, Dual, Micro, Sonic

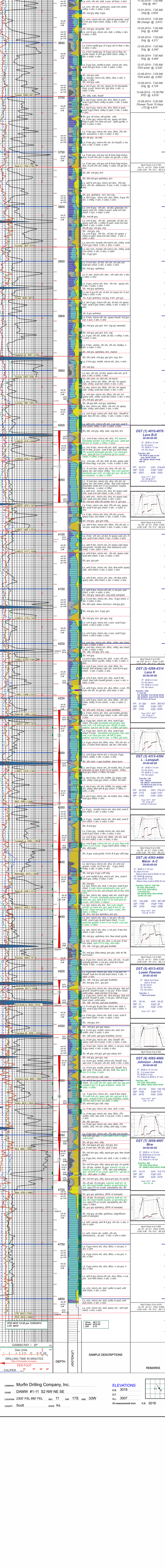
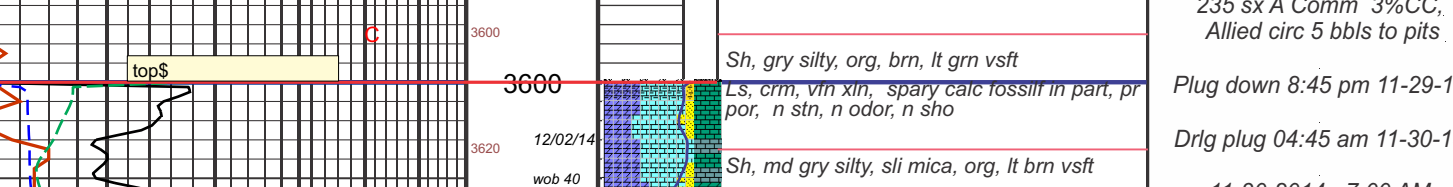
FORMATION	SAMPLE TOPS	SURSEA DATUM	ELEG LOG TOPS	SURSEA DATUM	REFERENCE WELL
Anhydrite	2286	+595	2286	+595	2287 +170 +12
B/Anhydrite	2374	+563	2374	+563	2356 +431 +13
Topoka	3699	-795	3699	-795	3686 -999 -18
Healaker Sh	3937	-1023	3937	-1023	3923 -936 -17
Lansing	3981	-1063	3981	-1063	3967 -980 -17
Stark Sh	4266	-1307	4266	-1307	4242 -1255 +7
Pawnee	4489	-1500	4489	-1500	4462 -1475 +4
Fort Scott Ls	4532	-1558	4532	-1558	4504 -1517 +3
Johnson Zone	4600	-1633	4600	-1633	4570 -1583 +1
Miss	4664	-1761	4664	-1761	4627 -1640 -6
Miss Dol	4704	-1690	4704	-1690	4669 -1682 -4
RTD	4818	-1777	4818	-1777	4770 -1783
LTD	4815	-1776	4815	-1776	4768 -1781

REFERENCE WELLS: **A: Murfin Drilling Wilkens #1-6, 2640 FNL 1800' FWL, Sec 6 T17S R32W KB 2987**
B:

REMARKS & RECOMMENDATIONS:
Based on structure position, and dst results csq was set
NOTE: ROP curve is roughly 5' low to elog curves. Rops & Dsts were moved up 5 feet to match elog.
Formation tops have been corrected to Log tops

LAN 762, Modified 5/05, 11/11, 4/12 Hanover, KS 66445 1inch = 25.4mm 8.5 x 97.5 216 mm x 2460 mm

LEGEND



COMPANY: **Murfin Drilling Company, Inc.** ELEVATIONS: **K.B. 3018**
LEASE: **DAMW #11-11 S2 NW NE SE** D.F.: **3007**
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