

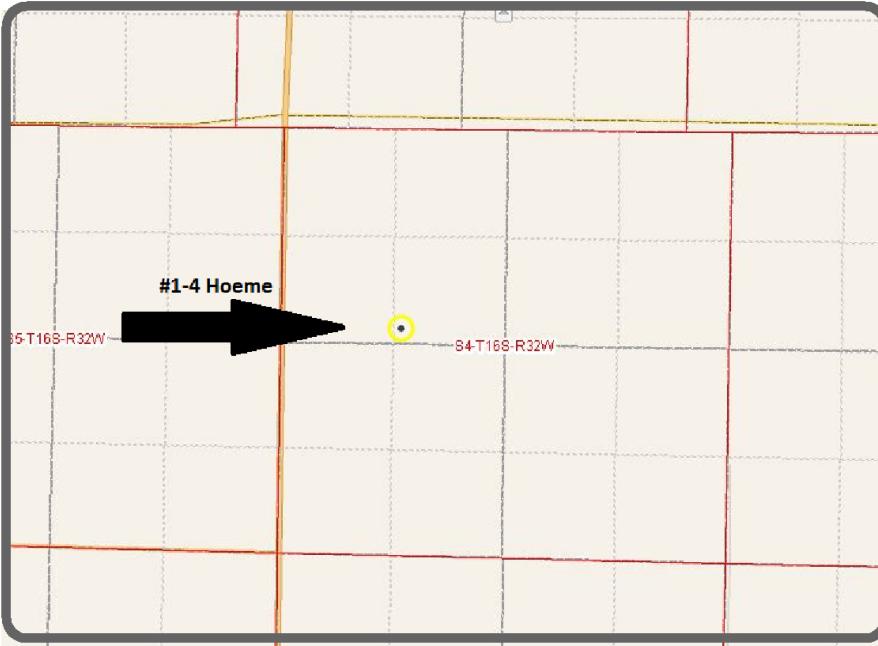
**GRAND
MESA****OPERATING COMPANY**(316) 265-3000
FAX: (316) 265-34551700 N. WATERFRONT PARKWAY
BLDG. 600
WICHITA, KANSAS 67206-5514Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: #1-4 Hoeme
Location: 2650' FSL, 1413' FWL, SECTION 04-T16S-R32W, SW SW SE NW
License Number: API: 15-171-20863 Region: Scott County
Spud Date: 03/12/2012 Drilling Completed: 03/23/2012
Surface Coordinates: LAT 38.6928771
LONG -100.8663270
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 2999' K.B. Elevation (ft): 3004'
Logged Interval (ft): 3650' To: RTD Total Depth (ft): 4780'
Formation: Mississippi at RTD
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: John Goldsmith
Company: John Goldsmith Wellsite Service
Address: 322 Greenwood Ct.
Cheney, KS 67025
316-640-0236

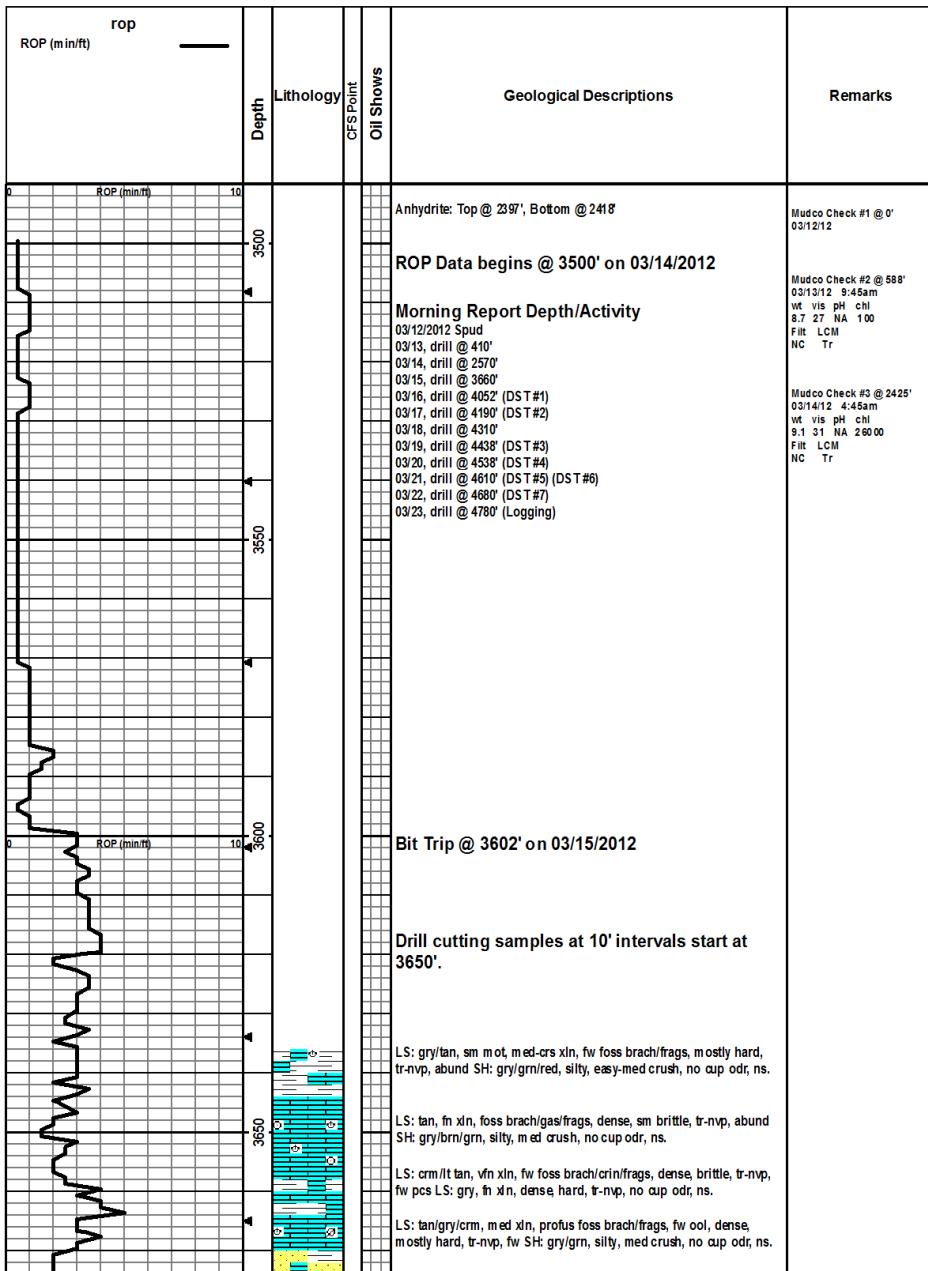
**COMMENTS**

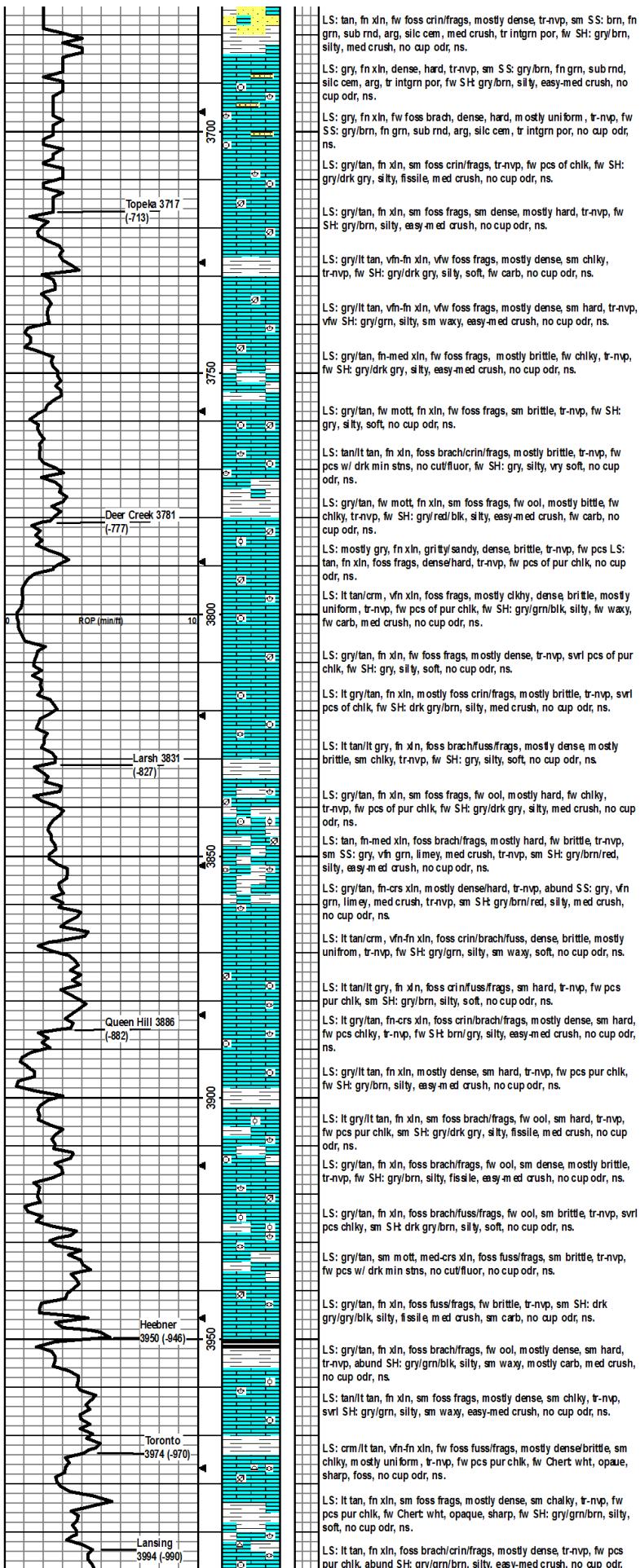
Contractor: Murfin Drilling Company Rig #24
Pusher: Tony Martin
Surface Casing: 5 joints of 8 5/8" set at 210'
Production Casing: No production casing installed, well was plugged.
Mud by: MudCo
DST's by: Trilobite Testing
Logs by: Weatherford (DIL, CN-CD, ML, CS)
RTD=4780'
LTD=4783'

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Queen Hill	3886'	-882	3889'	-885
Heebner Shale	3950'	-946	3952'	-948

Toronto	3974'	-970	3974'	-970
Lansing	3994'	-990	3996'	-992
Muncie Creek Shale	4162'	-1158	4163'	-1159
Stark Shale	4253'	-1249	4255'	-1251
Hushpuckney Shale	4300'	-1296	4303'	-1299
Marmaton	4374'	-1370	4378'	-1374
Upper Fort Scott	4470'	-1466	4472'	-1468
Little Osage Shale	4490'	-1486	4492'	-1488
Excello Shale	4510'	-1506	4510'	-1506
Johnson Zone	4582'	-1578	4584'	-1580
Morrow	4626'	-1622	4626'	-1622
Mississippian	4668'	-1664	4671'	-1667
RTD	4780'	-1776	4783'	-1779
LTD				





Mudco Check #4 @ 3710'
03/15/12 9:45am
wt vis pH chl
8.7 68 10.5 1600
Flit LCM
6.0 3#

