

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

GRAND MESA OPERATING CO.

FRANCES #1-7
 1,187' FNL & 1,733 FEL
 SW SE NW NE
 7-21-25W
 HODGEMAN COUNTY, KANSAS
 API: 15-083-21701-00-00

DRILLING CONTR.: MURFIN RIG #8
 SPUD: 04-30-11 COMP: 05-11-11
 MUD UP: 3500' TYPE MUD: CHEM.
 DRILL TIME: 3500-RTD
 RTD: 4570' LTD: 4568'
 SAMPLES SAVED: 3400'-RTD
 GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2395'
GL: 2390'
LOG MEASURED FROM: KB

SURFACE CASING

Ran 5 jts of new 2 3/8" 8 5/8" surface csg.
 Tally 215.43' Set @ 222' KB.
 Cemented w/165 sx
 Common, 3% CC, 2% Gel.

PRODUCTION CASING

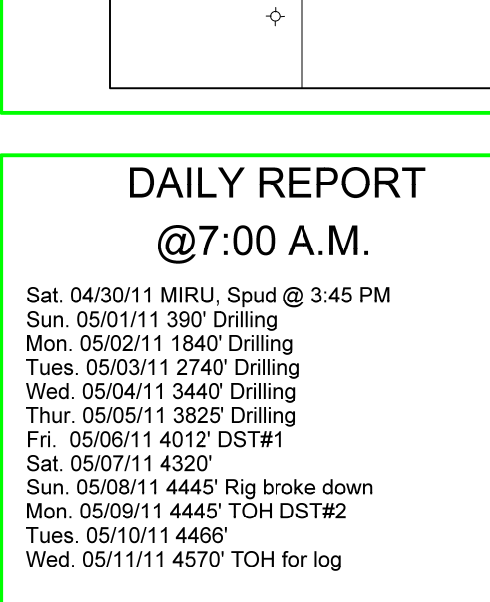
N/A D&A

WELL LOG SURVEYS

DIL/CDL w/micro

FORMATION TOPS

Formation	Sample Top	Datum	Elev. Log	Datum	Pos.
Stone Corral	1609	+786	1608	+787	-11
Heebner	3731	-1336	3730	-1335	-11
Lansing	3775	-1380	3771	-1376	-8
Muncie Creek	3949	-1554	3947	-1552	-12
Hushpuckney	4088	-1693	4084	-1689	-13
Marmaton	4167	-1772	4162	-1767	-11
Pawnee	4220	-1825	4216	-1821	-15
Little Osage	4263	-1868	4257	-1862	-13
Morrow	4389	-1994	4380	-1985	-4
Mississippian	4407	-2012	4407	-2012	-18



REFERENCE WELL:

O'Brien - Scarth #1-7
 Hodgeman County, KS
 KB 2398'
 NE SE
 Sec. 7-21S-25W

REMARKS AND RECOMMENDATIONS

Due to the poor drill stem test results this well was plugged and abandoned by the operator.

Respectfully submitted,

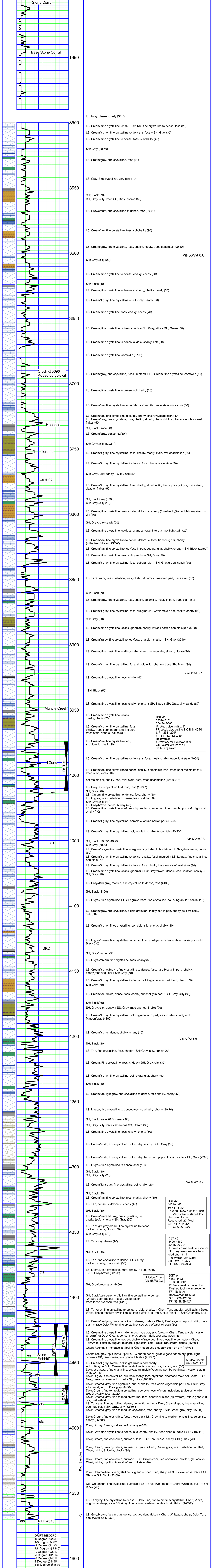
Robert J. Petersen

Robert J. Petersen May 12, 2011

DAILY REPORT

@ 7:00 A.M.

Sat. 04/30/11 MIRU, Spud @ 3:45 PM
 Sun. 05/01/11 390' Drilling
 Mon. 05/02/11 1840' Drilling
 Tues. 05/03/11 2740' Drilling
 Wed. 05/04/11 3440' Drilling
 Thur. 05/05/11 3825' Drilling
 Fri. 05/06/11 4012' DST#1
 Sat. 05/07/11 4320'
 Sun. 05/08/11 4445' Rig broke down
 Mon. 05/09/11 4445' TOH DST#2
 Tues. 05/10/11 4466'
 Wed. 05/11/11 4570' TOH for log



DST #1
 3974-4012'
 30-45-60"
 IF: Weak blow built to 7"
 FF: Weak blow built to B.O.B. in 40 Min.
 SIP: 1258-1224#
 FP: 51-152/152-223#
 Recovered:
 50' Watery mud w/whow of oil
 240' Water wiskm of oil
 60' Muddy water

DST #2
 4421-4445'
 60-45-15-30"
 IF: Weak blow built to 1 inch
 FF: Very weak surface blow died after 3 min.
 Recovered: 20' Mud
 SIP: 1174-1125#
 FP: 42-50/50-52#

DST #3
 4420-4460'
 30-45-30-30"
 IF: Weak blow built to 2 inches
 FF: Very weak surface blow died after 3 min.
 Recovered: 25' Water
 SIP: 1216-1047#
 FP: 48-60/62-63#

DST #4
 4468-4482'
 30-30-30-30"
 IF: Very weak surface blow
 Flushed tool - no improvement
 FF: No blow
 Recovered: 10' Mud
 SIP: 1239-1205#
 FP: 33-38/39-42#

Mudco Check
 Vis 55/Wt 9.2

DST #4#
 4468-4482'
 30-30-30-30"
 IF: Very weak surface blow
 Flushed tool - no improvement
 FF: No blow
 Recovered: 10' Mud
 SIP: 1239-1205#
 FP: 33-38/39-42#

DRIFT RECORD:
 1/8 Degree @ 223'
 1/8 Degree @ 731'
 1/8 Degree @ 1302'
 1/8 Degree @ 1340'
 1/8 Degree @ 2313'
 1/8 Degree @ 2814'
 1/8 Degree @ 4012'
 1/8 Degree @ 4445'
 1/8 Degree @ 4570'