

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: ORVILLE #1

LOC.: 1650' FSL & 330' FEL
SEC. 26-1-19W
PHILLIPS COUNTY, KANSAS
API: 15-147-20711-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 5-20-13 COMP: 5-24-13
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2950 to' RTD
RTD: 3595' LTD: 3594'
SAMPLES SAVED: 2950'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2136
 GL: 2131
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8 "
 Casing set @ 222'
 w/175 SX

PRODUCTION CASING

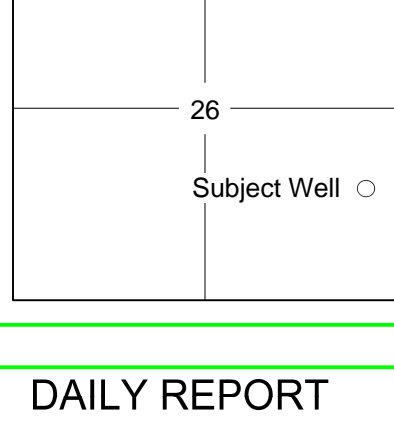
5 1/2" casing set

WELL LOG SURVEYS

DIL/CDL

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POS. A	POS. B
Stone Corral	1747	+389	+16	-14
Base Stone Corral	1769	+367	+2	-11
Topeka	3088	-952	+12	-2
Heebner	3295	-1159	+10	-5
Toronto	3324	-1188	+10	-6
Lansing	3341	-1205	+11	-6
Muncie Creek	3454	-1318	+7	-10
Stark	3519	-1383	+8	-9
BKC	3564	-1428	+7	-12
LTD	3595	-1414		



REFERENCE WELL:

REF: A
 Bach
 Gaffney Unit #1
 920' FNL & 2475' FWL
 26-1-19W

REF: B
 Bach
 Wayne Jackson #1
 554' FNL & 474' FEL
 35-1-19W

REMARKS AND RECOMMENDATIONS

Production casing was set to further test this well.

Respectfully submitted,

Robert J. Petersen
 Robert J. Petersen

DAILY REPORT

@ 7:00 A.M.

05-20-13 MIRU/SPUD
 05-21-13 505' Drilling
 05-22-13 2560' Drilling
 05-23-13 3415' Drilling
 05-24-13 3595' Casing run

