

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: KNAPE #4

LOC.: 482' FSL & 2540' FWL
SEC. 18-1-18W
PHILLIPS COUNTY, KANSAS
API: 15-147-20749-00-00

DRILLING CONTR.: MURFIN RIG #24
SPUD: 11-24-14 COMP: 11-28-14
MUD UP: 2850' TYPE MUD: CHEM.
DRILL TIME: 2950 to' RTD
RTD: 3503' LTD: 3498'
SAMPLES SAVED: 2900'-RTD
GEOLOGIST: ROBERT J. PETERSEN

ELEVATION

KB: 2116
 GL: 2111
 LOG MEASURED
 FROM: KB

SURFACE CASING

20# 8 5/8 " Casing set @ 220' w/175 SX

PRODUCTION CASING

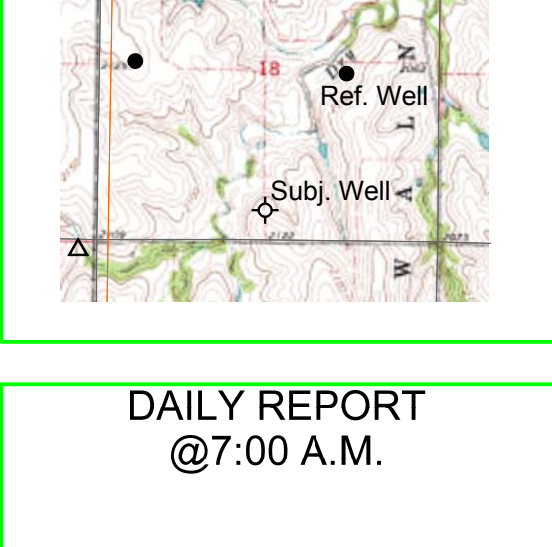
D&A

WELL LOG SURVEYS

CDL/DIL

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1715	+401	+6
Base Stone Corral	1735	+381	+6
Topeka	3078	-962	-2
Heebner	3275	-1159	+8
Toronto	3304	-1188	+7
Lansing	3319	-1203	+11
Muncie	3432	-1316	+6
Stark	3501	-1385	+4



REFERENCE WELL:

Bach Oil Production
 Knape #1
 Location: T1S R18W, Sec. 18
 NE NE NW SE
 2570 North, 1420 West, from SE corner

REMARKS AND RECOMMENDATIONS

This well was plugged and abandoned by the operator.

Respectfully submitted,

Robert J. Petersen

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DAILY REPORT

@ 7:00 A.M.

11-24-14 MIRU/SPUD

11-25-14 245'

11-26-14 2140'

11-27-14 3015'

11-28-14 350.'

