

# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG

**BACH OIL PRODUCTION  
WELL: CK UNIT #1**

**LOC.: T1S R19W, Sec. 2  
NW NW SW NE  
3750 North, 2630 West,  
from SE corner  
PHILLIPS COUNTY, KANSAS  
API: 15-147-20745-00-00**

**DRILLING CONTR.: MURFIN RIG #24  
SPUD: 09-11-14 COMP: 09-15-14  
MUD UP: 2800' TYPE MUD: CHEM.  
DRILL TIME: 2900 to' RTD  
RTD: 3430' LTD: 3422'  
SAMPLES SAVED: 2900'-RTD  
GEOLOGIST: ROBERT J. PETERSEN**

### ELEVATION

KB: 2001  
GL: 1996  
LOG MEASURED  
FROM: KB

### SURFACE CASING

8 5/8" Set @ 220'  
W/175 SX 3% CC 2%gel

### PRODUCTION CASING

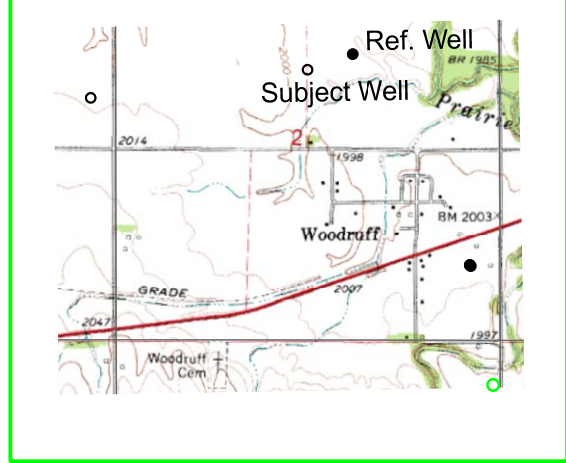
5 1/2" Set @3430'

### WELL LOG SURVEYS

RAG

### ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POS.
Stone Corral	1670	+331	+4
Base Stone Corral	1673	+328	+3
Topeka	3003	-1002	-1
Heebner	3204	-1203	0
Toronto	3233	-1232	-1
Lansing	3250	-1249	-1
Muncie	3360	-1359	-1
Stark (est. from dt)	3427	-1420	-1
LTD	3427	-1426	-



### REFERENCE WELL:

Bach Oil Production  
Johnny #1  
T1S R19W, Sec. 2  
SE SW NW NE  
3965 North, 2005 West, from SE corner

### REMARKS AND RECOMMENDATIONS

Production casing was run to further test this well.

Respectfully submitted,

*Robert J. Petersen*

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### DAILY REPORT

@7:00 A.M.

09-11-14 MIRU/SPUD

09-12-14 390'

09-13-14 2250'

09-15-14 3140'

09-15-14 3430'

