

# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG

### BACH OIL PRODUCTION

WELL: LEOTA #1

LOC.:1400' FSL & 200' FEL  
 SEC. 10-2-19W  
 PHILLIPS COUNTY, KANSAS  
 API: 15-147-20731-00-00

DRILLING CONTR.: MURFIN RIG #24  
 SPUD: 1-20-14 COMP:1-25-14  
 MUD UP: 2850' TYPE MUD: CHEM.  
 DRILL TIME: 3050 to' RTD  
 RTD: 3630' LTD:3630'  
 SAMPLES SAVED: 3050'-RTD  
 GEOLOGIST: ROBERT J. PETERSEN

### ELEVATION

KB: 2252  
 GL: 2247  
 LOG MEASURED  
 FROM: KB

### SURFACE CASING

20# 8 5/8 "  
 Casing set @ 218  
 w/175 SX

### PRODUCTION CASING

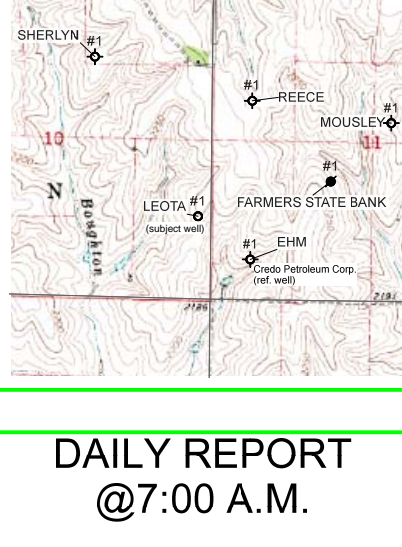
5 1/2" Set at 3630'

### WELL LOG SURVEYS

CD/DIL/MICRO

### ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POSITION
Stone Corral	1819	433	+1
Base Stone Corral	1830	422	-4
Topeka	3154	-902	Flat
Heebner	3366	-1114	+1
Toronto	3403	-1151	Flat
Lansing	3418	-1166	+1
Muncie Creek	3526	-1274	+1
Stark	3590	-1338	+1
Base Kansas City	3628	-1376	+3



### REFERENCE WELL:

Crede  
 Ehm#1  
 SW SW  
 11-2-19W

### DAILY REPORT @7:00 A.M.

1-20-14 MIRU SPUD  
 1-21-14 270'  
 1-22-14 2107'  
 1-23-14 2990'  
 1-24-14 3495'  
 1-25-14 3630'

### REMARKS AND RECOMMENDATIONS

Casing was run to further test this well for commercial production.

Respectfully submitted,

*Robert J. Petersen*

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