

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

BACH OIL PRODUCTION

WELL: PETE'S POND #1

LOC.: 1750' FSL & 2416' FWL
SEC. 14-1-19W
PHILLIPS COUNTY, KANSAS
API: 15-147-20671-00-00

ELEVATION
KB: 2078
GL: 2073
LOG MEASURED
FROM: KB

DRILLING CONTR.: MURFIN RIG #16
SPUD: 03-14-12 COMP: 03-18-12
MUD UP: 2800' TYPE MUD: CHEM.
DRILL TIME: 2900 to' RTD
RTD: 3580' LTD: xxxxxx'
SAMPLES SAVED: 2950'-RTD
GEOLOGIST: ROBERT J. PETERSEN

SURFACE CASING

8 5/8" Set @ 227'
W/165 SX 3% CC 2%gel

PRODUCTION CASING

WELL LOG SURVEYS
DIL/CDL/MICRO

ELECTRIC LOG TOPS

FORMATION	DEPTH	DATUM	POS.
Stone Corral	1713	+365	-5
Base Stone Corral	1733	+345	-3
Topeka	3064	-986	-9
Heebner	3269	-1191	-10
Toronto	3298	-1220	-11
Lansing	3316	-1238	-11
Stark	3491	-1413	-10
BKC	3533	-1455	-11



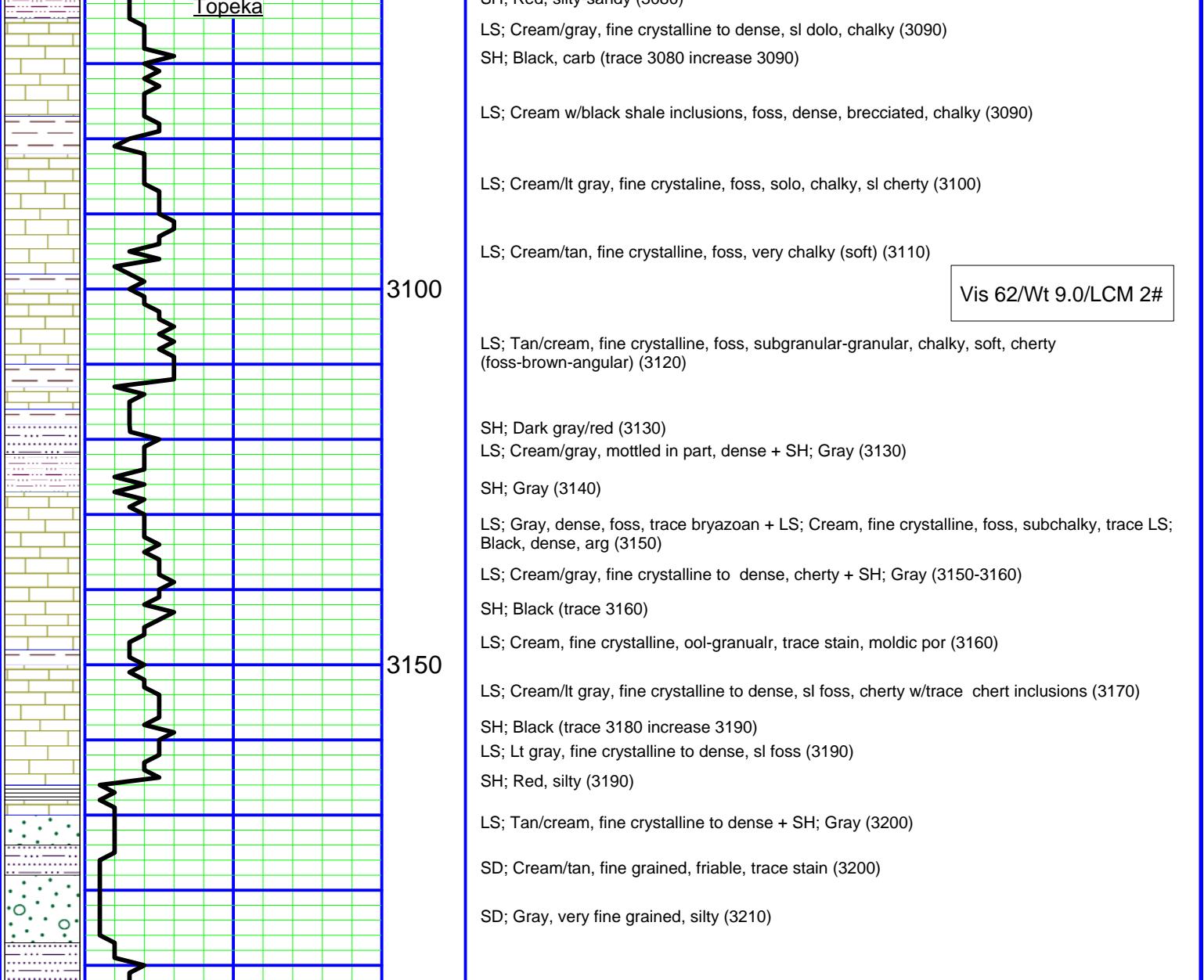
REFERENCE WELL:

Bach Oil Production
Jessup Unit #1
SE SW SE SE
300' FSL & 790' FEL
11-1-19W

REMARKS AND RECOMMENDATIONS

Robert J. Petersen

DAILY REPORT @7:00 A.M.



SAMPLE DESCRIPTION

LS: Gray, dense, foss + SH; Gray, silty-sandy + SD; Gray, fine grained (2960)
LS: Gray, dense (2970)
SH: Gray/dark gray, silty-sandy (2970)
LS: Cream/gray/tan, fine crystalline to dense, sl foss + SH; Gray, silty-sandy (2980)
LS: Cream, fine crystalline, foss, chalky + LS; Gray, dense + SH; Gray (2990)
SH: Dark gray (3000)
LS: Cream/gray, fine crystalline, foss, very chalky (3000)
LS: Cream/gray, fine crystalline to dense, very foss, mottled + SH; Dark gray/gray (3010-3020)
SH: Red/gray, silty (3020)
LS: Cream/tan/gray, fine crystalline, foss, sl dolo (3030)
LS: Cream, fine crystalline, very foss, mottled (3040)
SH: Gray, silty-sandy (3040)
LS: Gray, dense, block, sl foss (3050)
LS: Cream, fine crystalline, foss, sl dolo + LS; Dark gray, hard, dense, cherty + SH; Gray (3060)
SH: Gray + LS; Gray/cream mottled, fine crystalline, very foss, chalky (3070)
SH: Red, silty-sandy (3080)
LS: Cream/gray, fine crystalline to dense, sl dolo, chalky (3090)
SH: Black, carb (trace 3080 increase 3090)
LS: Cream w/black shale inclusions, foss, dense, brecciated, chalky (3090)
LS: Cream/lt gray, fine crystalline, foss, solo, chalky, sl cherty (3100)
LS: Cream/tan, fine crystalline, foss, very chalky (soft) (3110)
LS: Tan/cream, fine crystalline, foss, subgranular-granular, chalky, soft, cherty (foss-brown-angular) (3120)
SH: Dark gray/red (3130)
LS: Cream/gray, mottled in part, dense + SH; Gray (3130)
SH: Gray (3140)
LS: Gray, dense, foss, trace bryozoan + LS; Cream, fine crystalline, foss, subchalky, trace LS; Black, dense, arg (3150)
LS: Cream/gray, fine crystalline to dense, cherty + SH; Gray (3150-3160)
SH: Black (trace 3160)
LS: Cream, fine crystalline, col-granular, trace stain, moldic por (3160)
LS: Cream/lt gray, fine crystalline to dense, sl foss, cherty w/trace chert inclusions (3170)
SH: Black (trace 3180 increase 3190)
LS: Lt gray, fine crystalline to dense, sl foss (3190)
SH: Red, silty (3190)
LS: Tan/cream, fine crystalline to dense + SH; Gray (3200)
SD: Cream/tan, fine grained, friable, trace stain (3200)
SD: Gray, very fine grained, silty (3210)
LS: Cream, fine crystalline, foss, chalky + LS; Gray, dense, foss (3210)
SH: Red/gray, silty, sandy, trace gray SD, friable (3220)
LS: Cream/gray, fine crystalline, ool, chalky (3230)
SH: Black (carb 3230)
LS: Cream/tan, fine crystalline to dense, foss, subgranular, trace stain (3238)
LS: Tan/gray, fine crystalline to dense, blocky, chalky (3250)
SH: Red/gray (3260)
LS: Cream, fine crystalline, foss, chalky + LS; Gray, dense, foss (3260)
LS: Tan/gray, dense, foss, chatty, cherty, sl dolo (3280)
SH: Black (flood 3290)
LS: Gray, dense (3290)
SH: Red/gray, silty (3290)
LS: Red, silty-sandy + SD; Tan (3300)
LS: Cream, fine crystalline, dol, cherty, trace gray stain on dry, poor moldic por (3310)
LS: Gray/dark gray, dense, cherty, sl dolo (3310/15*)
SH: Red/gray, sandy (3320)
LS: Red, hard, brittle (3330)
LS: Cream/tan, fine crystalline, oolitic-granular, sl dolo, trace gray stain, moldic por (3330)
SH: Black, foss, calcareous (3350)
LS: Red, silty (3350)
LS: Cream/lt gray, fine crystalline to dense, sl foss, cherty w/trace chert inclusions (3370)
SH: Black (trace 3180 increase 3190)
LS: Lt gray, fine crystalline to dense, sl foss (3190)
SH: Red, silty (3190)
LS: Tan/cream, fine crystalline to dense + SH; Gray (3200)
SD: Cream/tan, fine grained, friable, trace stain (3200)
SD: Gray, very fine grained, silty (3210)
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