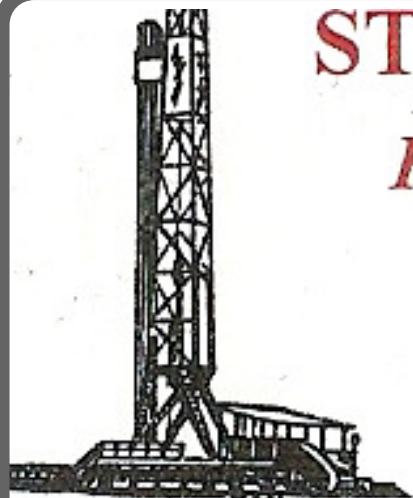


STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)



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RR#1, Box 69

Otis, Kansas 67565

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Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Binkley Unit #1

Location: Gove County

License Number: API #15-063-22055-00-00

Region: Kansas

Spud Date: 10/26/12

Drilling Completed: 11/2/12

Surface Coordinates: 2490' FSL & 1615' FWL (Approx. NW NW NE SW)

Section 6-T14S-31W

Bottom Hole Coordinates: Same as above (Vertical well w/minimal deviation)

Ground Elevation (ft): 2986'

K.B. Elevation (ft): 2991'

Logged Interval (ft): 3600'

To: TD

Total Depth (ft): 4700' (No Log)

Formation: Topeka thru Mississippian

Type of Drilling Fluid: Chemical - Mudco (Reid Atkins, Mud Engineer)

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Rodger D. Wells dba Pioneer Resources

Address: 80 Windmill Drive
Phillipsburg, KS 67661

GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228)

Company: Consulting Petroleum Geologist

Address: 3365 CR 390
Otis, KS 67565

LogTops (Datum)

No log was run, therefore the only tops are the sample tops derived from ROP & sample analysis. These tops are provided in the body of this report as identified.

DSTs

The following drillstem tests were performed by Trilobite Testing (Scott City shop):

DST #1 4176-4210 (LKC "H" Zone)

15:15:15:15

IF: Wk blow built to 1/4", no return

FF: No blow, no return

Recovery: 3' M w/oil spots on top

IHP: 2084 FHP: 1948

IFP: 26-29 ISIP: 340

FFP: 31-32 FSIP: 225

BHT -112 F

DST #2 4374-4506 (Pawnee)

15:15:15:15

IF: Wk 1/8" blow, no return

FF: No blow, no return

Recovery: 1' Mud

IHP: 2204 FHP: 2182

IFP: 15-18 ISIP: 820

FFP: 19-21 FSIP: 824

BHT - 113 F

DST #3 4576-4640 (Johnson)

15:15:15:15

IF: Wk blow died in 5 min, no return

FF: No blow, no return

Recovery: 2' Mud

IHP: 2313 FHP: 2275

IFP: 39-42 ISIP: 185

FFP: 42-44 FSIP: 341

BHT - 117 F

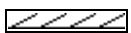
COMMENTS

Based on the poor structural position and negative results of drillstem testing it was recommended that this test be plugged at a RTD of 4700'.

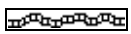
Respectfully submitted,

Steven P. Murphy, PG
Consulting Petroleum Geologist
KS License #228

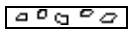
ROCK TYPES



Anhy



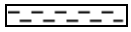
Bent



Brec



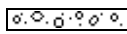
Cht



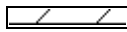
Clyst



Coal



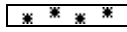
Congl



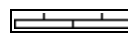
Dol



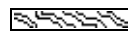
Gyp



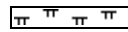
Igne



Lmst



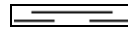
Meta



Mrlst



Salt



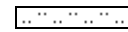
Shale



Shcol



Shgy



Sltst



Ss



Till

OTHER SYMBOLS

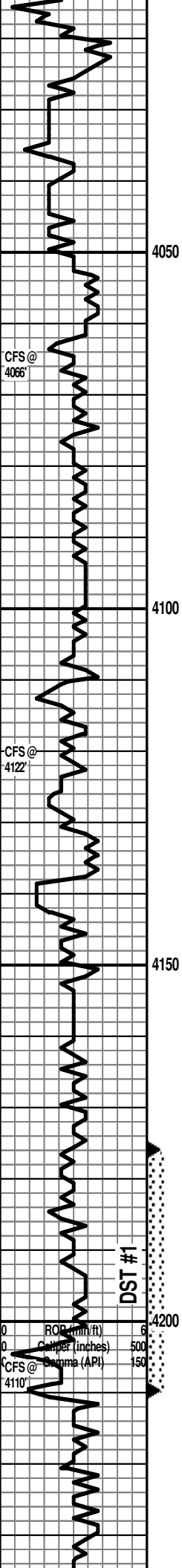
OIL SHOW
 Even
 Spotted
 Ques

Dead
 Gas

INTERVAL
 Core
 Dst

EVENT
 Conn
 Rft
 Sidewall

<p>Curve Track 1 ROP (min/ft) ——— Caliper (inches) - - - Gamma (API) ———</p>	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	<p>3900</p> <p>3950</p> <p>4000</p>			<p>LS: wht-tan-gry, f-vfxln, chalky, cherty, NS</p> <p>SH: gry-grm-red</p> <p>LS: wht-crm-tan, fxln, sl foss, chalky, dense, NS</p> <p>SH: gry-grm-red</p> <p>LS: crm-tan, fxln, sl foss, chalky, NS</p> <p>SH: blk, carb</p> <p>SH: gry-grm-red-bm</p> <p>LS: crm-tan-bm, vfxln, dense, minor chert, sl chalky, NS</p>	<p>HEEBNER 3983 (-992)</p> <p>TORONTO 4005 (-1014)</p>



SH: gry-grn-rust

LANSING 4025 (-1034)

LS: wht-tan-brn, fxln, oolitic in pt, foss, minor chert, sl chalky, dense, NS

LS: wht-crm-gry, fxln, oolitic, sl foss, dense, NS

SH; blk-gry-grn-red

LS: crm-gry, vfxln, oolitic, sl chalky, dense, NS

LS: wht-tan, vfxln, dense, sl chalky, NS

SH: gry-brn-grn

LS: wht-tan-gry, vfxln, dense, sl chalky, sl foss, NS

LS: as above

SH: gry-grn-red-brn

• LS: crm-tan-gry, f-vfxln, mostly dense, rare inxln por, vssfo on brk, spotty stn, no odor

LS: wht-tan, fxln, oolitic, dense, sl foss, chalky, NS

LS: as above w/minor chert

SH: blk-gry-brn-grn-red

LS: wht-tan, fxln, oolic, dense, chalky, NS

LS: crm-gry, vfxln, dense, sl chalky, NS

LS: as above

LS: as above

SH: blk, carb

MUNCIE CREEK 4184 (-1193)

SH: gry-grn-blk-red

DST #1 4176-4210 (LKC "H" Zone)
15:15:15:15

IF: Wk blow built to 1/4", no return

FF: No blow, no return

Recovery: 3' M w/oil spots on top

IHP: 2084 FHP: 1948

IFP: 26-29 ISIP: 340

FFP: 31-32 FSIP: 225

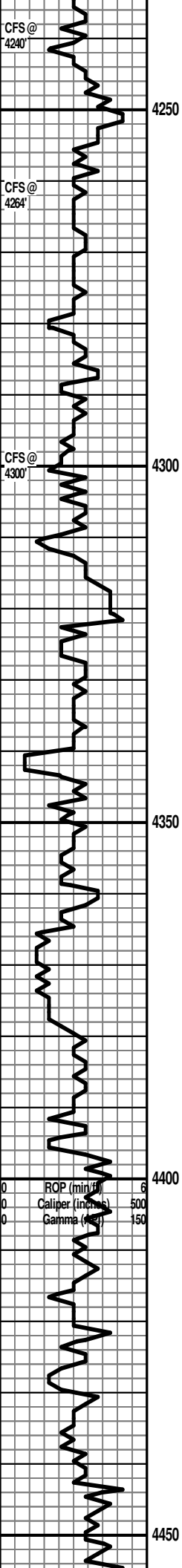
BHT -112 F

• LS: crm-tan, fxln, sucrosic texture, fr-gd ppt por, fsfo on brk, even sat stn, str odor

SH: gry-blk-grn-red

LS: wht-tan-gry, vfxln, dense, minor chert, NS

Survey @ 4210' - 1 degree



LS: wht-crm, f-vfxln, oolitic, pr inxln
por-dense, vssfo on brk, spotty stn, sl odor

SH: gry-grn-blk-red

LS: crm-gry, vfxln, dense, minor chert &
pyrite, nsfo or stn, sl odor

LS: as above (chalky)

SH: blk, carb

STARK 4278 (-1287)

LS: wht-brn-gry, vfxln, dense, chalky, NS

LS: as above

SH: blk, carb

HUSHPUCKNEY 4309 (-1318)

SH: gry-grn-blk

LS: crm-tan-brn, vfxln, dense, sl chalky, NS

LS: as above

BKC 4340 (-1349)

SH: blk-gry-brn-red

LS: wht-tan-gry, vfxln, dense, foss, chalky,
NS

SH: red-gry-grn-blk (Wash red)

SH: as above w/multic chert (Wash red)

LS: crm-tan-brn, vfxln, dense, sl chalky, NS

SH: gry-grn-red

MARMATON 4397 (-1406)

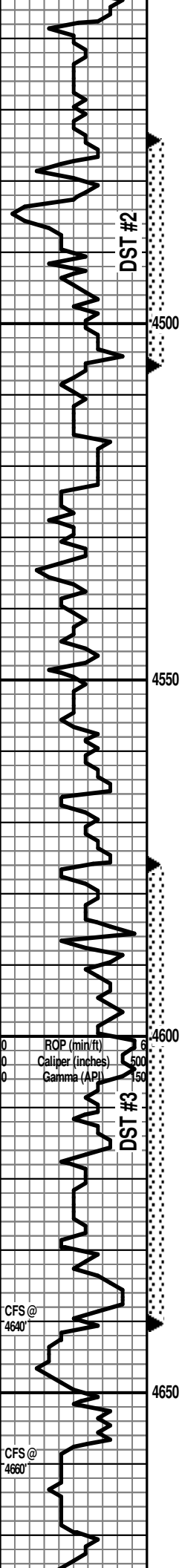
LS: crm-gry, vfxln, dense, NS

LS: as above

SH: red-grn-gry

LS: wht-tan-gry, vfxln, dense, NS

SH: grn-red-gry-blk



LS: crm-tan-gry, vfxln, dense, cherty, NS

LS: as above

SH: blk, carb

○ LS: wht-tan, f-vfxln, sucrosic in pt w/ppt por, mostly dense, lite blue chert, ssfo on brk, spotty stn, fr odor

LS: crm-tan-brn, oolitic in pt, dense, abund multic chert, NS

SH: blk-gry-grn-red

○ LS: crm-brn-gry, vfxln, dense, nsfo, tr stn, no visible por, no odor

crm-brn-gry, vfxln, dense, chalky, NS

SH: blk, carb

LS: crm-tan-brn, vfxln, dense, oolitic in pt, NS

LS: crm-tan-brn, vfxln, dense, pelletal, NS

SH: blk, carb

LS: crm-tan, vfxln, dense, pelletal, NS

SH: blk, carb-gry

SH: flood red-blk-gry-grn

SH: as above

○ LS: crm-tan, fxl, oolic in pt, pr-fr ppt por, vssfo, spotty stn, sl odor

SH: flood multic.

SH: flood multic.

SH: flood, multic.

SH: yel-orange-gry-blk-olive

Sst: shaley, prly std, sub-rnd, NS

SH: as above

Sst & SH: as above

PAWNEE 4477 (-1486)

DST #2 4374-4506 (Pawnee)

15:15:15:15

IF: Wk 1/8" blow, no return

FF: No blow, no return

Recovery: 1' Mud

IHP: 2204 FHP: 2182

IFP: 15-18 ISIP: 820

FFP: 19-21 FSIP: 824

BHT - 113 F

Survey @ 4506' - 1 1/4 degree

Strap @ 4506' - 1.03' Short to board

FT SCOTT 4537 (-1546)

CHEROKEE 4567 (-1576)

DST #3 4576-4640 (Johnson)

15:15:15:15

IF: Wk blow died in 5 min, no return

FF: No blow, no return

Recovery: 2' Mud

IHP: 2313 FHP: 2275

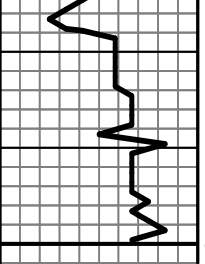
IFP: 39-42 ISIP: 185

FFP: 42-44 FSIP: 341

BHT - 117 F

JOHNSON 4609 (-1618)

MORROW SH 4641 (-1650)



4700

Test & Str. as above

LS: crm-tan-gry, vfxln, dense, pelletal in pt, sl
foss, sl chalky, NS

LS: as above

RTD @ 4700'

MISSISSIPPIAN 4678 (-1687)