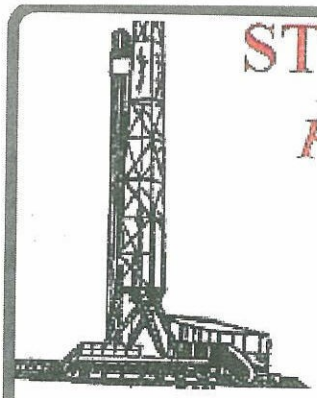

STEVEN P. MURPHY, P.G.

Petroleum Geologist (KS #228)

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RR#1, Box 69
Otis, Kansas 67565
geomurphy@gbta.net

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

Well Name:	Keil A #2-32
Location:	Russell County
License Number:	API #15-167-23,684-00-00
Region:	Kansas
Spud Date:	11-19-11
Drilling Completed:	1-27-11
Surface Coordinates:	1650' FNL & 960' FEL (E/2 NW SE NE)
	Section 32 - Township 15 South - Range 14 West
Bottom Hole Coordinates:	Same as above (vertical hole, no significant deviation)
Ground Elevation (ft):	1921'
K.B. Elevation (ft):	1931
Logged Interval (ft):	2500' To: TD
Total Depth (ft):	LTD-3500' RTD-3500'
Formation:	Tarkio thru Arbuckle
Type of Drilling Fluid:	Chemical (Mudco - Rick Hughes, Mud Engineer)

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

OPERATOR

Company: Russell Oil, Inc.
Address: P.O. Box 8050
Edmond, OK 73083
405-752-7600

GEOLOGIST

Name: Steven P. Murphy, PG
Company: Consulting Petroleum Geologist (KS License #228)
Address: 3365 County Rd 390
Otis, KS 67565
Cell Phone No: 620-639-3030

LogTops (Datum)

The open-hole logging was performed by Log-Tech(Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction, Sonic & Microlog.

Formation tops and datums from the open-hole logs include the following:

Top Anhydrite - 930 (+1001)
Tarkio - 2581 (-650)
Howard - 2777 (-846)
Topeka - 2850 (-919)
Heebner - 3080 (-1149)
Toronto - 3098 (-1167)
Lansing - 3142 (-1211)
BKC - 3380 (-1449)
Arbuckle - 3391(-1460)

DRILL STEM TESTS #1-3

The followng drillstem tests were performed by Jason McLemore withTrilobite Testing from the Hays shop:

DST #1 - LKC "C" (3166-3175)
30:30:60:60
IF: BOB in 25 min, no return
FF: BOB in 45 min, no return
Recovery: 1' clean oil, 125' MW (90% W, 10% M)
IHP: 1582 FHP: 1563
IFP: 19-50
ISIP: 479
FFP: 53-89
FSIP: 485
BHT: 94 deg F
Chlorides: 200,000 ppm

DST #2 - LKC "D,E,F" (3178-3230)
30:45:60:60
IF: BOB in 7 min, 1/4" return after 14 min
FF: BOB in 14 min, return built to 3/4"
Recovery: 210' GIP, 5' frothy OCMW (60% G, 10% O, 10% M), 325' MW w/scum of oil.
IHP: 1613 FHP: 1556
IFP: 43-108
ISIP: 549
FFP: 112-193
FSIP: 513
BHT: 98 deg F
Chlorides: 180,000 ppm

DST #3 - LKC "G" (3232-3245)
30:30:30:30
IF: Weak 1" blow, no return
FF: No blow, no return
Recovery: 20' OCM (10% O, 90% M)
IHP: 1622 FHP: 1569
IFP: 19-20
ISIP: 123
FFP: 22-20
FSIP: 75
BHT: 91 deg F

DRILL STEM TESTS #4-6

DST #4 - LCK "J" (3323-3335)
15:30:15:30
IF: Weak blow died in 5min, no return
FF: No blow, no return
Recovery: 1' Mud
IHP: 1685 FHP: 1625
IFP: 16-17
ISIP: 35
FFP: 16-17
FSIP: 30
BHT: 92 deg F

DST #5 - Arbuckle 33388-3400)
30:45:60:60
IF: Good blow, BOB in 13 min, 1/2" return
FF: Good blow, BOB in 26 min, 1/4" return
Recovery: 150' Clean Oil (30 Gravity), 20' HOCM (45% O, 55% M)
IHP: 1740 FHP: 1718
IFP: 29-50
ISIP: 790
FFP: 53-82
FSIP: 706
BHT: 99 deg F
Oil Gravity: 30

COMMENTS

The Keil A#2-32 was drilled by Southwind Drilling Rig # (Tool pusher Frank Rome).

Based on positive results of drill-stem tests and sample & log analysis, it was recommended that casing be installed to produce oil from the Arbuckle Formation.

5-1/2", 15.5# casing was set 2' off bottom with

Based on log analysis, additional potential for production includes the "L" zone (3372-3374) and the "G" zone (3246-3254).

Respectully submitted,

Steven P. Murphy, PG
Consulting Petroleum Geologist
(KS Licence #228)

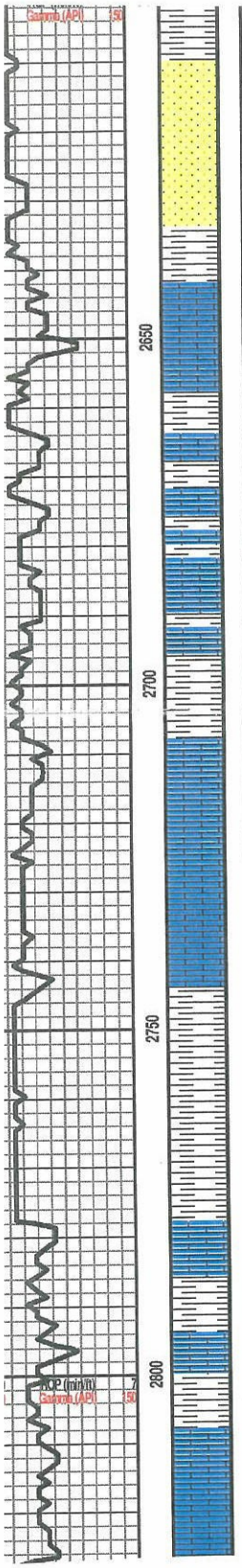
ROCK TYPES

Anhy	Coal	Lmst	Shcol
Bent	Congl	Meta	Shgy
Brec	Dol	Mrlst	Sltst
Cht	Gyp	Salt	Ss
Clyst	Igne	Shale	Till

OTHER SYMBOLS

OIL SHOW		INTERVAL	EVENT
Even	Dead	Core	Conn
Spotted	Gas	Dst	Rft
Ques			Sidewall

Curve Track 1 ROP (min/ft) Gamma (API)	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
ROP (min/ft) 1 Gamma (API) 15	25			SAMPLE DESCRIPTIONS	NOTES:
					Southwind Drilling (Rig #1) MIRU on 11-19-11
					Set 8-5/8" surface casing @ 926'
				Sample Quality Poor (Abund shale & sst)	Deviation Survey @ 978' - 1 degree
					Geologist on location @ 9:30 pm on 1-22-11
					Pipe strap @ 3175' (DST #1): 1.04' long to board (No correction made)
				Sst: gry, vfg, v. friable, fr intgran por	Deviation Survey @ 3175' - 1-1/4 degree
	2550				Deviation Survey @ 3235' - 1/4 degree
				SH: gry	
				SH: gry	SAMPLE FORMATION TOPS & DST RESULTS (NOTE: Please refer to the main header for electric log tops)
				SH: gry	
					Tarkio 2581 (-650)
				LS: crm-tan-gry, fxln, foss, fr inxln por (NS)	
				LS: crm-tan-gry, fxln, foss, fr inxln por (NS)	



Sst: gry, vf-gr, micaceous, v. friable (NS)

Sst: gry, vf-gr, micaceous, v. friable (NS)

Sst: gry, vf-gr, micaceous, v. friable (NS)

SH: gry

LS: crm-tan, vfxln, foss, dense (NS)

SH: gry

LS & SH: as above

LS & SH: as above

LS & SH: as above

LS: crm-tan-gry, vfxln, v. foss, dense (NS)

LS: crm-tan-gry, vfxln, v. foss, dense (NS)

LS: crm-tan-gry, vfxln, v. foss, dense (NS)

SH: gry-blk-red w/gry, vfg sst. (NS)

SH: gry-blk-red w/gry, vfg sst. (NS)

SH: gry-blk-red w/gry, vfg sst. (NS)

Howard 2776 (-845)

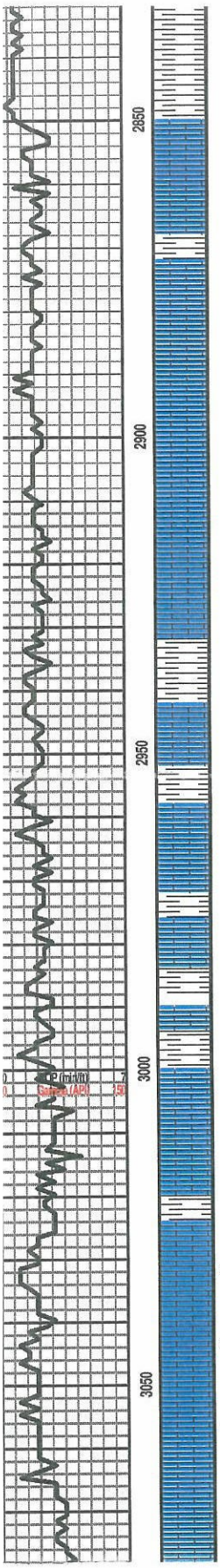
LS: tan, vfxln, foss, dense (NS)

SH: gry

LS: tan, vfxln, foss, dense (NS)

SH: gry

LS: tan-gry, vfxln, foss, dense (NS)



SH: gry

LS: crm-tan-gry, vfxln, sl foss, sl chalky, dense (NS)

Topeka 2851 (-920)

LS: crm-tan-gry, vfxln, sl foss, sl chalky, dense (NS)

LS: crm-tan-gry, vfxln, sl foss, sl chalky, dense (NS)

LS: crm-tan-gry, vfxln, sl foss, sl chalky, dense (NS)

LS: crm-tan-gry, fxln, fr inxln por, sl foss, chalky, shaley (NS)

LS: crm-tan-gry, fxln, fr inxln por, sl foss, chalky, shaley (NS)

SH: blk

SH: gry-grn-blk

LS: wh-tan, vfxln, dense (NS)

LS: wh-tan, f-vfxln, dense (NS)

LS: as above

SH: blk

LS: crm-tan, vfxln, dense (NS)

LS: crm-tan, fxln, fr inxln por, vssfo, minor stn, sl odor

LS: crm-tan, fxln, fr inxln por, vssfo, minor stn, sl odor

LS: crm-tan, fxln, fr inxln por, vssfo, minor stn, sl odor

LS: crm-brn, vfxln, dense (NS)

SH: gry-blk-grn-brn

LS: wh-tan, f-vfxln, mostly dense, tr free oil, minor stn, sl odor (rare gd vug por w/ssfo)

Toronto 3095 (-1164)

Douglas Sh 3114 (-1183)

SH: gry, micaceous w/assoc gry siltstone

SH: gry, micaceous w/assoc gry siltstone

SH: gry, micaceous w/assoc gry siltstone

Lansing 3142 (-1211)

LS: wh-tan, vfxln, dense, tr vug por, vssfo, minor stn, fr odor

LS: crm-tan, fxln, f-gd inxln & vug por, fsfo, sat stn, str odor, (much dense tan LS in 50 min sample)

LS: wh-tan, fxln, ool, mostly dense, rare fair vug por, ssfo, sat stn, fr odor

LS: wh-crm, fxln, foss, fr vug por, fsfo, sat stn, str odor

LS: crm-tan, fxln, oolic, gd oomold/vug por, fsfo, sat stn, str odor

LS: tan, vfxln, dense, tr fo, minor stn, fr odor

SH: gry-blk-brn

LS: crm-tan, fxln, ool, fr-gd vug por, fsfo, sat stn, str odor

LS: wh-crm, fxln, fr-gd inxln & vug por, fsfo, gd stn, str odor

LS: crm-tan, vfxln, dense, tr fo, minor stn, sl odor

SH: gry-blk-grn

LS: wh-gry, fxln, oolic, pr-fr moldic por, nsfo, tr stn, sl odor

LS: wh-gry, fxln, oolic, pr-fr moldic por, nsfo, tr stn, sl odor

LS: as above w/associated fresh white chert

LS: wh-tan-gry, vfxln, dense (NS)

SH: gry-grn-brn

LS: wh-brn-gry, vfxln, dense, chalky (NS but slight odor)

LS: wh-gry, fxln, foss, chalky, vssfo, fr stn, fr odor

LS: wh-gry, fxln, ool, pr-fr inxln por, ssfo, fr stn, fr odor

LS: wh-tan, fxln, ool, pr-fr inxln por, fsfo, fr stn, fr odor

LS: wh-tan, fxln, ool, fr inxln por, fsfo, sat stn, fr odor

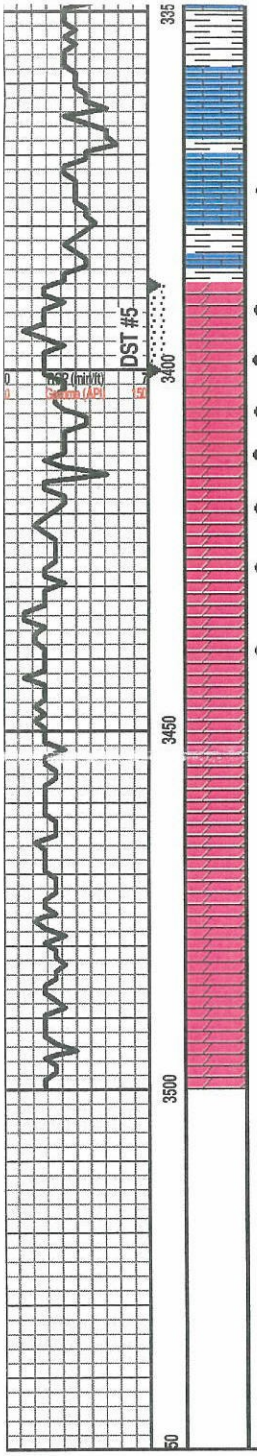
LS: crm-tan, vfxln, dense (NS)

DST #1 - LKC "C" (3166-3175)
30:30:60:60
IF: BOB in 25 min, no return
FF: BOB in 45 min, no return
Recovery: 1' cl oil, 125' MW
IHP: 1582 FHP: 1563
IFP: 19-50
ISIP: 479
FFP: 53-89
FSIP: 465
BHT: 94 deg F
Chlorides: 200,000 ppm

DST #2 - LKC "D,E,F" (3178-3230)
30:45:60:60
IF: BOB in 7 min, 1/4" return after 14 min
FF: BOB in 14 min, return built to 3/4"
Recovery: 210' GIP, 5' frothy OCMW (60% G, 10% O, 10% M), 325' MW w/scum of oil.
IHP: 1613 FHP: 1556
IFP: 43-108
ISIP: 549
FFP: 112-193
FSIP: 513
BHT: 98 deg F
Chlorides: 180,000 ppm

DST #3 - LKC "G" (3232-3245)
30:30:30:30
IF: Weak 1" blow, no return
FF: No blow, no return
Recovery: 20' OCM (10% O, 90% M)
IHP: 1622 FHP: 1599
IFP: 19-20
ISIP: 123
FFP: 22-20
FSIP: 75
BHT: 91 deg F

DST #4 - LCK "J" (3323-3335)
15:30:15:30
IF: Weak blow died in XXXmin, no return
FF: No blow, no return
Recovery: 1' Mud
IHP: 1685 FHP: 1625
IFP: 16-17
ISIP: 35
FFP: 16-17
FSIP: 30
BHT: 92 deg F



SH: blk-gry-grn

LS: crm-gry, vfxln, dense (NS)

LS: wh-tan, fxln, pr-fr inxln por, vssfo, fr stn, sl odor

SH: red-gry-grn (wash red)

Dol: tan-brn, f-mxln, gd vug por, gsfo, sat stn, str odor

Dol: tan-brn, mxln (rhombic), gd inxln & vug por, gsfo, sat stn, str odor

Dol: as above w/some tight-barren

Dol: as above w/assoc grn-turq Sh

Dol: as above (sucrosic texture w/rhombic)

Thin lense of Sst: clr, med-coarse, friable, poorly std, gsfo, str odor w/ abund Dol: as above w/pink, dense Dol

Dolomitic LS: wh, mostly dense, rare sst, minor sfo, sl stn, fr odor, mostly barren

Dol LS: wh-tan, dense, mostly barren, ssfo, fr odor

Dol LS: wh-tan, dense, mostly barren, ssfo, fr odor

Dol LS: wh-tan, dense, mostly barren, ssfo, fr odor

Dol LS: wh-tan, dense, mostly barren, ssfo, fr odor

RTD @ 3500'

LTD @ 3500'

DST #5 - Arbuckle 3388-3400)
30:45:60:60
IF: Good blow, BOB in 13 min, 1/2" return
FF: Good blow, BOB in 26 min, 1/4" return
Recovery: 150' Clean Oil (30 Gravity), 20' HOCM (45% O, 55% M)
IHP: 1740 FHP: 1718
IFP: 29-50
ISIP: 790
FFP: 53-82
FSIP: 706
BHT: 99 deg F
Oil Gravity: 30

BKC 3381 (-1450)

Arbuckle 3388 (-1457)

5-1/2" casing (15.5#) set @ 3498'