

Keil "A" #3-32 Drilling Report

Russell Oil, Inc.
Keil "A" #3-32
 2310'FN & 880'FE
 Section 32-15S-14W
 Russell County, Kansas
 #15-167-23,790

KB: 1929
 GL: 1921

Reference Well A: *Russell Oil Keil "A" #1-32 1910'FN & 1660'FE Sec 32-15S-14W*
Reference Well B: *Russell Oil Keil "A" #2-32 1650'FN & 960'FE Sec 32-15S-14W*

		<u>A:</u>	<u>B:</u>			<u>A:</u>	<u>B:</u>
<u>SAMPLE TOPS</u>				<u>ELECTRIC LOG TOPS</u>			
Anhydrite	927 (+1002)	+1	-5	Anhydrite	927 (+1002)	+1	-5
B/Anhydrite	957 (+972)	+2	-3	B/Anhydrite	958 (+971)	+1	-2
Howard	2777 (-846)	-4	-2	Howard	2775 (-846)	-4	-2
Topeka	2851 (-922)	-4	-3	Topeka	2847 (-918)	flat	+1
Heebner	3088 (-1151)	-2	-2	Heebner	3077 (-1148)	+1	+1
Toronto	3096 (-1167)	-2	flat	Toronto	3094 (-1165)	flat	+2
Lansing	3142 (-1213)	-1	-2	Lansing	3139 (-1210)	+2	+1
Mun Creek	3285 (-1356)	-2	-3	Mun Creek	3280 (-1351)	+3	+2
B/KC	3384 (-1455)	-2	-6	BKC	3379 (-1450)	+3	-1
Arbuckle	3400 (-1471)	-10	-11	Arbuckle	3399 (-1470)	-9	-10
RTD	3450 (-1521)			LTD	3448 (-1519)		
DDTD	3520 (-1591)			DDTD	Not Logged		

Sample Shows and Drill Stem Tests:

7am 4-23-12: Drilling at 2944'

Topeka Plattsmouth 50' zone:

Limestone, cream; fossiliferous; oolitic, poor to fair interparticle porosity; 1-2 pieces golden brown saturated stain; slight to fair show of free oil on break; slight to fair odor.

Toronto:

Circulate 3117'

Limestone, cream-gray; fossiliferous; very oolitic, 1-2 pieces vugular porosity; light brown spotty stain; slight to fair show of free oil on break; slight questionable odor; one piece with fair show of free oil in 40" circulation sample.

Lansing "A":

Circulate 3158'

DST #1

Limestone, cream; fossiliferous; overall poor interparticle porosity; scattered vugular porosity; some possible fracture porosity with secondary crystalline growth; light golden brown subsaturated stain; slight to fair show of free oil; fair gassy odor.

Lansing "B":

Circulate 3172'

DST #1

Limestone, gray-tan; fossiliferous and oolitic; some pelletoid; poor to fair interparticle porosity; light brown subsaturated stain; slight to fair show of free oil; slight to fair odor—few pieces barren porosity in 40" circulation sample.

DST #1:

Lansing "A-B"

3111-3172

1st Op: Steady Bldg 5 1/2"

No Blowback

2nd Op: Weak Bldg 2 3/4"

No Blowback

Trilobite Testing Co., Inc. - Hays

Jason McLemore; Tester

Rec:

10' VSOCWM (3%O, 25%W, 72%M)

80' WM (30%W, 70%M)

90' Total Fluid

IFP: 31-60#/45"

ISIP: 513#/45"

FFP: 65-84#/30"

FSIP: 504#/45"

Chlor: 15,600 ppm

Pipe Strap at 3172': 2.38 Board Long

7am 4-24-12: 3172' – Heading back to bottom after DST #1

Lansing "C":

Circulate 3187'

Limestone, white; finely oolitic; fair oolitic porosity; light to medium brown subsaturated stain – some rare saturated stain; slight to fair show of free oil; fair odor—flood of barren porosity in 40" circulation sample.

Lansing "F":

Circulate 3238'

DST #2

Limestone, cream-gray; very fossiliferous and oolitic; some pelletoid; some pieces appear crystalline and dolomitic; scattered vugular porosity; light brown spotty stain; slight show of free oil; slight to fair gassy odor.

DST #2:

Lansing "E-F"

3206-3238

1st Op: BOB 2 1/2"

No Blowback

2nd Op: Fair Bldg 10"

No Blowback

Trilobite Testing Co., Inc. - Hays

Jason McLemore; Tester

Rec:
480' GIP
420' MW (95%W, 5%M)

IFP: 32-178#/60"
ISIP: 328#/30"
FFP: 182-218#/30"
FSIP: 331#/30"
Chlor: 47,000 ppm

Lansing "G": *Circulate 3252'*
Limestone, cream-tan; dolomitic; some pieces oolitic; overall very oolitic; poor to fair oolitic porosity; barren; no show of free oil; no odor.

Top of "G" zone thinned considerably...break came in 4 feet higher than expected....

Lansing "H": *Circulate 3298'* **DST #3**
Limestone, gray-tan; slightly fossiliferous; mostly dense with isolated pinpoint porosity and fracture porosity; 1-2 pieces very light brown spotty edge stain; very slight show of free oil; slight odor.

7am 4-25-12: 3301' - Drilling ahead

Lansing "I": *Circulate 3316'* **DST #3**
Limestone, cream; very oolitic; pelletoid; some secondary crystalline growth between oolites; poor to fair interparticle porosity; light to medium brown subsaturated to saturated stain; slight show of free oil; slight to fair gassy odor – slight to fair show of free oil and gas on break in 40" circulation sample.

Lansing "J": *Circulate 3334'* **DST #3**
Limestone, cream-gray; fossiliferous and oolitic; rare pieces suboolitic; fair pinpoint porosity; light brown saturated stain; slight show of free oil; slight odor.

DST #3: *Trilobite Testing Co., Inc. - Hays*
Lansing "H-J" *Jason McLemore; Tester*
3283-3334
1st Op: Weak Bldg 3 1/2"
No Blowback
2nd Op: Fair Bldg 5 1/2"
No Blowback

Rec:
30' OCM (10%O, 90%M)

IFP: 32-32#/30”
ISIP: 93#/30”
FFP: 30-34#/60”
FSIP: 123#/60”

Lansing “K”: *Circulate 3366’* **DST #4**
Limestone, cream; oolitic; appears chalky; poor interparticle porosity; few pieces very light brown isolated spotty stain; very slight show of free oil; slight questionable odor.

Lansing “L”: *Circulate 3383’* **DST #4**
Limestone, cream; fossiliferous and oolitic; fair pinpoint porosity; abundant pieces medium brown subsaturated stain; slight show of free oil – gas on break; slight gassy odor.

7am 4-26-12: 3383’ – Tripping out for DST #4

DST #4: *Trilobite Testing Co., Inc. - Hays*
Lansing “K-L” *Jason McLemore; Tester*

3345-3383
1st Op: Weak Surface Blow
No Blowback
2nd Op: Dead Blow
No Blowback

Rec:
3’ Mud w/oil spots

IFP: 13-15#/30”
ISIP: 175#/30”
FFP: 15-16#/30”
FSIP: 170#/30”

Arbuckle 0-6’ in: (-1477) *Circulate 3406’* **DST #5**
Dolomite, white; fine crystalline; poor intercrystalline porosity; fair pinpoint porosity; few pieces very dark brown subsaturated stain—appears very tight; slight show of free oil – slow gas on break accompanied by heavy pinpoint beads of oil; fair pungent odor – overall 80% barren.

Arbuckle 6-10’ in: (-1481) *Circulate 3410’* **DST #5**
Dolomite, white; fine to rare medium crystalline; some pieces rhombic dolomite; poor intercrystalline porosity; few pieces medium brown subsaturated stain – rx 95% barren; slight show of free oil –gas on break; slight pungent odor.

DST #5:

Arbuckle 0-10'in: (-1481)

3376-3410

1st Op: Weak Blow; Died 5 min.

No Blowback

2nd Op: Dead Blow; Flush Tool; No Help; Pulled Test

Rec:

2' Mud

IFP: 12-13#/30"

ISIP: 33#/30"

FFP: 13-14#/10"

FSIP: Not Taken

Arbuckle 10-20'in: (-1491)

Circulate 3420'

Dolomite, white; fine to medium crystalline; some friable; very pyritic; sucrosic; poor intercrystalline porosity; rare pieces light brown spotty stain – rx 95% barren; no show of free oil; fair to strong pungent odor.

7am 4-27-12: 3450' – Tripping out of hole for logs

Heading to bottom...will deepen hole to 3520' for disposal well...will set 5 ½" casing overnight...

FINAL REPORT