

ORIGINAL

Alan Vonfeldt Oil
128 Eves Drive
Russell, Kansas 67665

GEOLOGICAL REPORT

Boxberger No. 9
SW-NW-NW
Section 33, Twp. 13 S,
Rge. 14 West
Russell County, Kansas

15-167-23204

SW NW NW

4290 FSL 4950 FEL

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October 5, 2001

Alan Vonfeldt Oil
128 Eves Drive
Russell, Kansas 67665

ORIGINAL

GEOLOGICAL REPORT:

Boxberger No. 9
SW-NW-NW
33-13S-14W
Russell County, Kansas

DRILLING COMMENCED:

September 29, 2001

DRILLING COMPLETE:

October 5, 2001

DRILLING CONTRACTOR:

Vonfeldt Drilling Co. Rig 1
Russell, Kansas 67665

CASING RECORD:

8 5/8 set at 488'

DRILLING TIME:

1' intervals plotted and
Recorded from 2600 to
3323 R.T.D.

SAMPLES:

10' intervals from 2700
to 3323 R.T.D.

LOGS:

No logs were run on the
Boxberger No. 9.

DRILL STEM TESTS:

1 test by Superior Testing
Ent.
Great Bend, Kansas

MUD:

Andy's Mud & Chemical
Hays, Kansas 67601

ELEVATION:

Kelly Bushing 1867'
Ground Level 1862'
Measurements from K.B.

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FORMATION TOPS

(Sample Tops)

<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUM</u>
* Anhydrite	913	+954
*Base-Anhydrite	943	+924
Topeka	2759	-892
Heebner	2987	-1120
Toronto	3005	-1138
Lansing-Kansas City	3042	-1175
Base-Kansas City	3292	-1425
Arbuckle	3320	-1453
Rotary Total Depth	3323	-1456
*Driller Tops		

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Lithology: Zones of Interest

Topeka 2759 (-892)

2760-67

LS; Buff, crystalline to slightly granular. Poor porosity with light spotty stain. No free oil, but very faint odor.

2950-58

Plattsmouth

LS; Buff, chalky crystalline porosity, slightly fossiliferous. Scattered spotty stain with No free oil or odor.

Heebner 2987 (-1120)

Toronto 3005 (-1138)

3005-09

LS; White, fine crystalline and dense. Trace of poor crystalline porosity with no show.

Lansing-Kansas City 3042 (-1175)

3043-45

A Zone

LS; White, fine crystalline and dense. Trace of spotty stain in tight porosity. No free oil, but faint odor.

3066-70 B Zone	LS;	White, oolitic to poor oolitic porosity with spotty stain. Very slight show of free oil and no odor.
3079-86 C Zone	LS;	Buff to white, oolitic and oolitic porosity with very spotty stain. No free oil, but faint odor.
3140-56 G Zone	LS;	White, poor oolitic porosity with a rare trace of stain. Very slight show of free oil and very faint odor.
3182-85 H Zone	LS;	White to light gray, fine crystalline and dense. Poor porosity with no show. Trace of gray chert.
3206-09 I Zone	LS;	White, poor oolitic porosity with light stain. Very slight show of free oil and no odor.
3233-35 J Zone	LS;	Buff, crystalline and fossiliferous. Poor porosity with a trace of stain. No free oil or odor.
3260-62 K Zone	LS;	Buff, crystalline and slightly fossiliferous. Poor porosity with no show.
3287-88 L Zone	LS;	Buff, fine crystalline and dense. Trace of chert.
Arbuckle 3320 (-1453) 3320-23	Dol;	White, fine to medium crystalline. Fair porosity with dark even stain. Show of free oil and fair odor.

Tested by D.S.T. No. 1

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DRILL STEM TEST

Drill Stem Test No. 1 3291-3323 Arbuckle

Time: 30-30-30-30

Blow: 1st Open – fair blow- bottom of bucket in 8 min.
2nd Open – fair blow – bottom of bucket in 12 min.

Recovery

90 Clean oil
91 Oil cut mud
210 Muddy oil
60 Oil cut water 50% oil, 50% water
60 Oil cut water 55% oil, 45% water
630 Total fluid 28% gravity

Pressures:

IHMP: 1677#	IFP: 54# - 174#
ISIP: Not read	FFP: 274# - 329#
FSIP: Not read	BHT: 102 F
FHMP: 1635#	

Mud Properties:

Viscosity: 48 Weight: 9.5 Water loss: 8.8
Chlorides 36,000 ppm (test) 4,000 ppm (mud)

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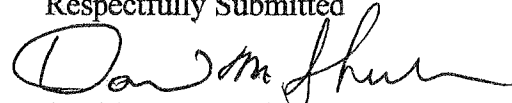
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REMARKS AND RECOMMENDATIONS

The Boxberger No. 9 (-1453) ran 18 feet lower than the H. H. Blair well (-1435) located diagonally to the northeast. The Arbuckle in the Boxberger No. 9 was picked on the basis of drilling time and sample log while circulating for samples. Fair shows were noted with a good test covering the Arbuckle, although some water was noted. The operator decided to set pipe on this basis without making any more hole. The drill stem test chart indicated that fluid was traveling around through the formation where the packers were set, so no shut in pressure was read.

Casing was set 3 feet off bottom to test the Arbuckle through the open hole. The Lansing-Kansas City contained some minor shows of oil, but is probably too low structurally to produce.

Respectfully Submitted



David M. Shumaker
Petroleum Geologist

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