

Roy Vonfeldt
524 St. John
Russell, Kansas 67665

33-13-14W

GEOLOGICAL REPORT:

15-167-21830

Boxberger No. 5
SE-NW-NW, 33-13S-14W
Russell County, Kansas

CONTRACTOR:

Duke Drilling Co. Rig #1
Great Bend, Kansas

DRILLING COMMENCED:

November 21, 1981

DRILLING COMPLETED:

November 25, 1981

CASING RECORD:

8 5/8 set at 297' cemented
with 165 sx. 60/40 poz. 2% gel
3% cc.

SAMPLES:

10' intervals from 2900' to
3339' R.T.D.

DRILLING TIME:

By Geolograph. 1' intervals from
2800' to 3339' R.T.D. A copy of
the plotted time/lithology log
is included with this report.

DRILL STEM TESTS:

No tests were run on the Boxberger
No. 5

LOGS:

No logs were run on the Boxberger
No. 5

ELEVATION:

Laughlin-Simmons Co.; of Kansas
Kelly Bushing 1865'
Ground Level 1860'
Measurements from K.B.

FORMATION TOPS
(Sample Tops)

<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUMS</u>
Heebner	2985	- 1120
Toronto	3003	- 1138
Douglas	3016	- 1151
Lansing-Kansas City	3039	- 1174
Base-Kansas City	3295	- 1430
Conglomerate	3310	- 1445
Rotary T.D.	3339	- 1474

Lithology: Zones of Interest

Toronto 3003-3006	LS;	White, fine crystalline, dense to chalky. Trace of chert. No free oil or odor.
Lansing-Kansas City 3043-48 A zone	LS;	White to buff, fine crystalline and dense. Fossiliferous with a trace of very light stain. No free oil or odor.
3064-68 B zone	LS;	Buff, crystalline, fossil porosity with a trace of light stain. No free oil or odor.
3081-86 C-D zone	LS;	Buff, fossil and crystalline porosity. Light stain, no free oil or odor.
3135-56 G zone	LS;	White, fair barren oolitic porosity. No free oil or odor.
3183-86 H zone	LS;	White to buff, fine crystalline and dense. Slightly fossiliferous and very cherty. No free oil or odor.
3201-07 I zone	LS;	White to buff, fossiliferous and chalky. No free oil or odor.
3261-65 K zone	LS;	White, fine crystalline dense to chalky. No free oil or odor.

Lithology
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Conglomerate
3310-Top

Congl.;

Red, brown, and gray shales.
Sharp vitreous chert with traces
of fine crystalline limestone
and fine to medium grained free
sand. No visible show of oil.

REMARKS AND RECOMMENDATIONS:

The table below compares the Boxberger No. 5 with the Boxberger No. 1-V.

<u>Roy Vonfeldt</u>		<u>Roy Vonfeldt</u>	
Boxberger No. 5 SE-NW-NW, 33-13S-14W Russell County, Kansas		Boxberger No. 1-V SE-SE-NW, 33-13S-14W Russell, County, Kansas	
Lansing-Kansas City 3039	(-1174)	3014	(-1159)
Conglomerate 3310	(-1445)	N.P.	
Arbuckle N.P.		3308	(-1453)

After reviewing the table above, you will note that the Boxberger No. 5 ran 15 feet lower structurally than the Boxberger No. 1-V based on the Lansing tops. The arbuckle was not found in the Boxberger No. 5.

Careful examination of the sample indicated that the Lansing-Kansas City zones were low and of no commercial value. Also the presence of the conglomerate instead of the Arbuckle helped condemn the Boxberger No. 5. It was recommended that the Boxberger No. 5 be plugged and completed as a dry hole.

Respectfully submitted,

David Shumaker

DS/db