

15-167-22468

B-B-15W

P1

GREEN & GREEN

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NOV 20 1984

October 4, 1984

State Geological Survey
WICHITA BRANCHGEOLOGIC REPORT

Castle Resources Bieker #1
SE NE SW 13-13S-15W
Russell County, Kansas
Commenced: 9/25/84
Completed: 10/2/84

Pipe Record:
8 5/8 @207' w/130 sacks
D & A @3275'
Anhydrite: 868-904
Drilled by: Big Springs
Rig #3

ELEVATION 1819 K.B.

1814 G.L.

1817 D.F.

FORMATION DATA

(Corrected to R.A. Guard Log)

<u>FORMATION</u>	<u>MINUS DATA</u>	<u>DEPTH</u>
INDIAN CAVE	- 519	2338
GRAND HAVEN	- 563	2382
DOVER LIMESTONE	- 592	2411
TARKIN LIMESTONE	- 635	2454
ELMONT	- 692	2511
HOWARD	- 832	2651
TOPEKA	- 890	2709
HEEBNER	-1115	2934
TORONTO	-1138	2957
LANSING-K.C.	-1170	2989
LANSING-K.C. BASE	-1419	3238
ARBUCKLE	-1436	3455
R.T.D.	-1456	3275
L.T.D.	-1453	3272

Cores: None.Drill Stem Tests: Four, see below.Electric Logs: Mercury R.A. Guard Log.FORMATION DESCRIPTION

NOTICE: Samples were examined from 2200-T.D. on this well.
There were no shows above the Topeka here.

TOPEKA 2709-2934:

2709-2720 This area in the Topeka has a minor to adequate show of free oil and stain in a white to tan, fine crystalline limestone with intercrystalline and pin point vugular porosities that were tested and condemned by D.S.T. #1, below.

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DRILL STEM TEST NUMBER ONE 2676-2730:

Zone Tested: Top of Topeka
Testing Times: 45-30-45-30
Recovery: 40' OSM, Good show of oil in tool
IBHP: 58
FBHP: 56
FP: 33-42 42-50

2897-2934 This area in the Lower Topeka had a very minor show of free oil and stain in a white to offwhite, fine crystalline limestone with intercrystalline and pin point vugular porosities that did not warrant further testing.

TORONTO 2957-68:

This formation has a barren, white to offwhite, chalky to firm, fine crystalline limestone.

LANSING-KANSAS CITY 2989-3238:

A Bench 2989-3008 This bench has a barren, white to offwhite, chalky to mostly firm, fine crystalline limestone.

B Bench 3014-25 This zone has a very minor show of free oil and stain in an offwhite, fine crystalline limestone with intercrystalline porosity that was tested by D.S.T. #2, below.

C, D Bench 3030-52 This zone has a minor to adequate show of free oil and stain in an offwhite, fine crystalline limestone with oolitic and interoolitic porosities that were tested by D.S.T. #2, below.

DRILL STEM TEST NUMBER TWO 3002-45:

Zones Tested: B,C,D
Testing Times: 45-30-45-30
Recovery: 250' GC and oil spotted MW
IBHP: 513
FBHP: 513
FP: 67-92 117-134

E,F,G Bench 3056-3124 This area has a trace of free oil and stain in a white to offwhite, fine crystalline limestone with intercrystalline, interfossiliferous and oolitic porosities that did not warrant testing.

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H Bench 3130-43 This bench has a trace to very minor show of free oil and stain in a tan, fine crystalline limestone with intercrystalline and interfossiliferous porosities that were tested by D.S.T. #3, below.

DRILL STEM TEST NUMBER THREE 3118-40:

Zone Tested: H Bench
Testing Times: 15-15
Recovery: 5' mud
IBHP: 25
FP: 13-13

I,J,K,L Bench 3146-3238 This area has a barren, chalky to firm, white to offwhite, fine crystalline limestone.

ARBUCKLE 3255-72:

This formation has a very minor to minor show of free oil and stain in a white to tan, fine to medium crystalline dolomite that was tested by D.S.T. #4, below.

DRILL STEM TEST NUMBER FOUR 3216-72:

Zone Tested: Arbuckle
Testing Times: 45-30-60-45
Recovery: 135' MW
IBHP: 1033
FBHP: 1016
FP: 50-67 75-92

RECOMMENDATIONS

It was recommended and confirmed by all parties to plug and abandon this well. We were structurally flat with the poor producer two locations east and I believe good production will be found close by.

Respectfully submitted,

Jerry Green

JG/gc

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