

15-159-22471

22-18S-09W

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4950 FNL 4950 FWL

October 1, 2005

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GEOLOGICAL REPORT
Friedley No. 2
NW NW NW
Section 22, T18S-R9W
Rice County, Kansas

CONTRACTOR	C and G Drilling Co.
DATE COMMENCED	Sept. 13, 2005
DATE COMPLETED	Sept. 19, 2005
TOTAL DEPTH, T.D.	3385 feet
ELEVATIONS	1717 Ground: 1727 Kelly Bushing
MEASUREMENT ZERO	Kelly Bushing
SAMPLES & DRILLING TIME LOGGED	1900 feet to T.D.
OTHER LOGS	Gas Detector

COPY

GEOLOGICAL FORMATION TOPS

Formation	Drilling Time Depth	Sub-sea Depth
Brownville	2008	-281
Tarkio	2165	-438
Severy Sand	2443	-716
Topeka	2480	-753
Heebner	2745	-1018
Brown	2878	-1151
Lansing	2898	-1171
Conglomerate	3244	-1517
Total Depth	3385	-1558

INTERVALS OF INTEREST

Brownville

2010 - 14

White, chalky, fossilitic limestone,
with no sample or gas detector shows.

Tarkio

2220 - 26

Fine-grained micaceous sand.
Gas detector logged questionable
55 units.

Severy

Fine grained micaceous sand
with no sample or gas detector shows.

Conglomerate

3259 - 70

Fine and medium grained sand, with faint odor and
a trace of free oil. Gas detector logged 15 units.

Drill Stem Test No. 1

3176 - 3264

Test tools were open 30 min. closed 30 min. open 60 min.
closed 60 min. There was a weak blow throughout the test.
The recovery was 180 feet of muddy water. Pressures
recorded: ISIP - 1083, FSIP - 1097
Flow pressures 51/79 & 83/131.

SUMMARY

STRUCTURAL COMPARISONS / sub-sea

<u>Formation</u>	Friedley No. 2 This well	Friedley No. 1 SE offset Brownville gas well	Kern No. 2 ¾ miles, southeast Simpson oil well
Brownville	-281	-273	N/A
Lansing	-1171	-1175	-1160
Conglomerate	-1517	<u>Not present</u>	N/A
Simpson	<u>Not reached</u>	-1524	-1517
Arbuckle	Not reached	-1545	-1535
T.D.	-1558	-1587	N/A

The formations were structurally lower than oil and gas wells in the field. The DST. of the Conglomerate sand was negative. The Brownville gas zone did not show on the gas detector, and the other gas show on the detector was questionable. Based on these negative results, it was determined that the well was not commercial and it was abandoned as a dry hole.


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