

WAYNE LEBACK
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Geological Report

Leback Oil Production, Inc.
PO Box 489
Hays, Kansas 67601

Foster No. 1-18
810 FNL - 600 FWL
Section 18-T21s-R34w
Finney Co., Ks.

<u>Contractor</u>	Abercrombie Drilling Company
<u>Date Spudded</u>	April 25, 1989
<u>Total Depth</u>	4930 feet
<u>Date Rotary Completed</u>	May 5, 1989
<u>Surface Casing</u>	8-5/8 inch at 285 feet
<u>Elevations</u>	3060 Ground; 3065 Kelly Bushing
<u>Measurement Zero</u>	Kelly Bushing
<u>Samples and Drilling time logged</u>	2400 - 2800 feet and 3400 feet to T.D.
<u>Other Logs</u>	Gas Detector; Welex Dual Induction - Compensated Density Neutron & Micro.

Geological Formation Tops

Formation	Drilling Time Depth	Electric Log Depth	Sub-sea Depth Electric Log
Krider	2658	2658	- 407
Heebner	3888	3892	- 827
Lansing	3935	3942	- 877
Base of K.C.	4426	4426	- 1361
Marmaton	4441	4450	- 1385
Morrow	4810	4806	- 1741
Morrow Sand	4841	4840	- 1775
Mississippi	4868	4870	- 1805

Intervals Of Interest

Krider Tan, dense speckled dolomite with fossilitic porosity.
Gas detector logged 5 units.

2658 - 80

Lansing Tan dense limestone with fine vugular and fossilitic
porosity with spotty light staining. Log porosity - 16%

4211 - 18

Drill Stem Test NO. 1 Time intervals 30-60-30-60. There was a fair to good
4204 - 24 blow. The recovery: 240 feet of mud cut water.

Pressures: I CIP - 1103 FCIP - 1077
F.P. - 30/32: 30/89

Morrow Clear, fine and medium grained sand, with light staining
and traces of free oil. Log porosity - 23% -
4840 - 54 Gas detector logged 46 - 59 units.

4856 - 66

4840 - 60

Drill Stem Test NO. 2 Time intervals 30-60-30-60. There was a strong blow.
The recovery: 60 feet gas and oil cut mud. 1530 feet
of free oil - 29 gravity. 90 feet of gas and water cut
mud and 90 feet of oil cut water. Pressures:
ICIP - 936 FCIP - 934
F.P. - 130/341: 441/501

Mississippi White chalky, sandy limestone, with no shows.
Log porosity - 3%

4870 to T.D.

Summary

Structural Comparisons

<u>Formation</u>	<u>Foster No. 1-18</u> <u>this well</u>	<u>Christabelle No. 1</u> <u>South offset -</u> <u>Abandoned Morrow</u>	<u>Unruh No. 2</u> <u>West offset -</u> <u>Producing Morrow/well</u>
Lansing	- 877	- 883	- 865
Morrow Sand	- 1775	- 1780	- 1766
Mississippi	- 1805	- 1803	- 1791

The samples, gas detector, drill stem test No. 2, and electric logs indicate a commercial oil well in the Morrow sand formation. Casing was cemented to test and complete for production.

Submitted by

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