

John R. Wilson

JACOB E. LEMMONS

#1 Arkensan

SW SW SE Section 29-3-24W

Horton County, Kansas

JOHN R. WILSON
712 OIL CAPITAL BLDG.
TULSA, OKLA.

April 12, 1954

OPERATOR:

Jones, Shelburne & Farmer, Inc.
Russell, Kansas

CONTRACTOR:

Jones, Shelburne & Farmer, Inc.
Russell, Kansas

CREW:

Toolpusher: Dale Buchheister
Drillers: Jack Toelkes
Raymond Kaba
Art Budig

ELEVATION:

2401 R. B.
2399 D. F.

SAMPLES:

Five foot samples were kept from 3300 to 3822
total depth.

All samples were examined and will be sent to the
Kansas Well Log Bureau, Wichita, Kansas.

DRILLING TIME:

One foot drilling time was recorded from 3300 to 3822
total depth.

FORMATION TOPS:

Reebner	3395 (- 996)
Toronto	3422 (-1021)
Lansing	3438 (-1037)
Base Kansas City	3619 (-1218)
Sand	
(Gorham and/or Regan)	3715 (-1314)
Granite Wash	3746 (-1345)
Granite	3769 (-1368)
Total Depth	3822 (-1421)

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SAMPLE DESCRIPTION:

LANSING-KANSAS CITY:

This formation consisted of predominately white crystalline limestone with a few oolitic and cherty zones inter-bedded with red and gray shale. The few shows of oil encountered were as follows:

3480-90: White, crystalline limestone with poor porosity and a trace of dead staining.

3510-15: White, crystalline, oolitic limestone with some spotted staining but poor porosity.

3545-57: White, crystalline limestone with only a trace of staining.

3583-88: White, crystalline limestone with a trace of staining. This zone was circulated. There was no odor in the samples.

There was no Arbuckle dolomite present in this well.

SAND:

This sand may be either Gorham and/or Reagan. It is believed that the upper portion is Gorham while the lower part is Reagan. Two drill stem tests were run in the sand section. 3716-20, clear quartz sand, much of which was medium to well-rounded pyritic, and containing a very good odor, and free oil in the wet samples. The tool was open 30 minutes, recovered 13 feet of heavily oil cut mud. BHP 200#. 3716-35, mostly fine sand, good porosity, some saturation. However, there was no odor in the wet samples. Tool was open 30 minutes with a very good blow throughout the test, recovered 1230 feet salt water. BHP 1150#.

GRANITE WASH:

The Granite Wash consisted of green clay containing weathered biotite mica feldspar and quartz.

GRANITE:

The granite contained abundant unweathered biotite mica, feldspar and quartz.

COMPARISONS:

SW SW SE 29-3-24W

L-1037
Sd-1314
Gw-1345
Gr-1388

SW SW NE 30-3-24W

L-1025
A-1332
Rg-1356
Gw-1363
Gr-1396

SW SW SW 27-3-24W

L-1036
Gw-1307

There was no Arbuckle dolomite in this well and although the #1 Ankerman appeared to be relatively high, the results of the drill stem tests did not warrant setting pipe.

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Yours respectfully,

ORIGINAL SIGNED BY

By Jake E. Lemmons

TIME LOG:

3300-3350

7-5-5-3-3-3, 4-4-4-4-6-6 3-3-2-3-2 2-2-1-1-1 1-1-1-3-3
4-4-4-4-4 3-3-2-1-2 2-3-3-3-1 5-4-4-4-4 4-4-4-5-6

3350-3400

5-5-6-6-5 4-4-4-3-3 6-7-4-4-4 5-4-3-1-3 4-6-7-4-4
2-2-4-4-3 3-3-3-3-2 3-3-3-5-4 4-4-6-6-5 3-2-3-2-7

3400-3450

10-7-5-2-2 3-2-3-3-3 6-4-6-6-5 8-8-5-8-8 9-7-6-6-5
4-5-6-9-6 7-7-6-7-4 2-3-3-2-2 5-6-7-9-6 4-4-5-4-7

3450-3500

6-6-5-7-4 6-7-6-7-7 9-7-6-6-9 11-11-10-12-10 10-10-6-6-2
2-4-3-4-4 6-9-9-6-6 8-10-10-8-8 9-10-11-10-12 9-6-5-6-11

3500-3550

12-12-11-10-9 8-7-6-7-8-6-6 6-6-6-5-5 3-3-4-4-4 4-4-5-5-5
7-7-6-9-9 9-6-9-9-9 7-4-4-5-5 5-7-6-6-6 6-6-7-7-7

3550-3600

6-6-10-10-6 6-6-5-5-6 5-5-4-3-3 4-5-4-4-4 4-6-5-6-6 6-7-10-6-6
6-7-6-4-5 7-5-5-4-3 4-4-4-4-4 4-4-5-7-8

3600-3650

6-6-6-6-5 5-7-7-4-5 6-5-5-6-7 9-6-6-7-5 5-5-7-5-5
5-5-6-4-5 3-2-2-2-2 4-4-5-4-7 11-10-6-9-8 8-7-6-6-6

3650-3700

4-4-4-4-6 6-6-7-10-6 7-7-5-7-6 10-12-9-10-6 6-9-9-9-7
5-5-6-5-5 4-4-7-6-7 9-9-11-10-11 11-9-9-11-12 12-12-13-12-12

3700-3750

11-12-12-12-12 13-13-11-11-12 6-9-6-7-7 5-5-5-2-4 3-2-4-4-4
2-2-2-2-2 4-5-7-4-2-8 3-3-3-3-3 3-3-3-2-2 2-4-3-2-3

3750-3800

2-8-2-2-2-2 3-2-8-3-3-2 2-8-4-8-2-2-2 2-8-3-2-2-8-2 5-4-4-3-3
3-3-3-3-3 3-2-3-3-3 4-3-3-3-4-8 4-5-8-4-8-5-3 4-4-4-4-4

3800-3822

4-4-4-3-4 5-5-5-5-5 5-6-5-5-5 5-5-5-3-4 9-9

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