

15-135-24120

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24-17s-26w

ORIGINAL

PALOMINO PETROLEUM, INC.  
LEE NORTON #1

SW/4 SW/4 SW/4  
SEC. 24-17S-26W  
NESS CO. KANSAS

## GEOLOGICAL REPORT

This well was drilled with rotary tools; Pickrell Drilling, Inc. of Wichita, Kansas, the contractor.

Spudded November 16, 2000. Set 218' of 8-5/8" Surface Casing and cemented with 170 sx 60-40 pozmix, 2% gel, 3% cc. Plug down 5:30 AM 10/16/00. Cement circulated.

Rotary completed November 25, 2000. Elevation 2461 RB

<u>ELECTRIC LOG TOPS</u>		<u>SAMPLE TOPS</u>
Anhydrite	1800 +661	1805 +656
Topeka	3488 -1027	3485 -1024
Heebner Shale	3760 -1299	3758 +1297
Lansing-KC	3801 -1340	3801 -1340
Base Kansas City	4126 -1665	4131 -1670
Marmaton	4168 -1707	4183 -1722
Fort Scott	4314 -1853	4315 -1854
Mississippi Dolomite (Dolomitic Limestone)	4410 -1949	4417 -1956
TOTAL DEPTH	4460 -1999	4462 -2001

A friable sandstone with oil shows was encountered at about 4179', 4 feet above the depth at which the top of the Marmaton Formation was called; and other like sandstone beds appeared to alternate with beds of limestone and shale in the upper 40 feet of the Marmaton section. Drill-Stem Test #1 was taken to test shows of oil observed through this section.

Drill-stem Test #1 was taken from 4156' to 4221'. Tool open 30 mins., Shut in 30 mins., Open 30 mins., Shut in 30 mins. Had a very weak blow for 19 mins. Recovered 5 feet mud. IFP 30#/30#; FFP 30#/30#; IBHP 30#; FBHP 60#.

The Mississippi Dolomitic Limestone was encountered at 4417'. 45 feet of penetration was made into this formation. All of this rock section contained oil shows. The zone consisted of fine to medium crystalline dolomitic limestone with fair to good porosity. Had a good odor and a good show of medium to dark free oil throughout the Mississippi rock section penetrated.

Drill-Stem Tests number 2, 3 & 4 were taken to test the shows of oil encountered in this rock section.

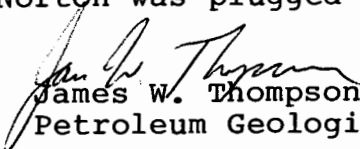
Drill-Stem Test #2 was taken from 4375 feet to 4425 feet. Tool open 30 mins.; Shut in 30 mins.; Open 30 mins.; Shut in 30 mins. Had a very weak blow for 20 minutes. Recovered 15 feet of thin, watery mud with one foot of free oil on top. IFP 23#/23#; FFP 35#/35#; IBHP 11#/11#; IBHP 94#; FBHP 58#.

Drill-Stem Test #3 was taken from 4425 feet to 4432 feet. Tool open 30 mins.; Shut in 30 mins.; Open 30 mins.; Shut in 30 mins. Had a very weak blow for 30 mins.; Recovered 15 feet of thin watery mud. IFP 11#/11#; FFP 11#/11#; IBHP 1117#; FBHP 1048#.

Drill-Stem Test #4 was taken from 4432 feet to 4462 feet. Tool open 30 mins.; Shut in 30 mins.; Open 30 mins.; Shut in 30 mins. Had a strong blow throughout the test. Recovered 2014 feet of salt water. IFP 80#/317#; FFP 399#/578#; IBHP 1214#; FBHP 1214#.

#### REMARKS

Because of the negative results of drill-stem testing, sample analysis and the electrical log, no commercial possibilities were indicated; and the Palomino #1 Lee Norton was plugged and abandoned.

  
James W. Thompson  
Petroleum Geologist