

G E O L O G I C R E P O R T

Palomino Petroleum  
#2 Eaton "A"

NE NE SW Sec. 13-17-29W  
Lane County, Kansas

MISCELLANEOUS DATA

Elevation: 2753 Gr.; 2756 R.D.F.; 2758 R.K.B.

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

Spudded September 18, 1985. Set 254 feet of new 8-5/8" 20# surface casing and cemented with 200 sacks 60-40 Pozmix, 2% gel, 3% c.c. (circulated). Ran 110 joints new 5 1/2" 14# J-55 production casing set at 4594' and cemented with 200 sacks 60-40 Pozmix, 2% gel, 10% salt, 15 bbl. salt flush. Rotary completed September 25, 1985. Pool - Wildcat.

GEOLOGIC TOPS AND ZONES

NOTE: Casing tally was 5' short to drill pipe measurements as was Elog.

TOP CIMARRON ANHYDRITE (driller)	2134 (+ 624)	Elog 2132 (+ 626)
TOP HEEBNER SHALE	3898 (-1140)	Elog 3895 (-1137)
TOP LANSING-KANSAS CITY	3937 (-1179)	Elog 3931 (-1173)

Top member = finely xln, finely oocastic limestone with questionable very light oil saturation. Mostly white chalky limestone and fresh white opaque chert. Elog is negative.

4019±-4026± (70' zone) No show oil. Finely xln white limestone with poor vugular porosity. Elog is negative.

4037±-4053 (90' zone) No show oil, no real oocastic development. Mostly dense white limestone.

Top Muncie Creek Shale 4095 (-1337) Elog 4092 (-1334)

4114-4122 (140' zone) Very small show light free oil. Very finely xln limestone with poor pinpoint porosity. Very small amount light to medium oil saturation. PERFORATE(?) 4114-4113 Elog meas.

4146-4162± (160' zone) Very small show light free oil. Finely xln grey limestone with poor porosity. Trace of staining. PERFORATE 4154-4156 Elog meas.

4169±-4180 (180' zone) No show free oil? (no odor). Abundant white and grey brittle, dense limestone. Several pcs friable, partly oolitic limestone with (?) very light staining. PERFORATE before abandonment. 4166-4168 and 4169-4174 Elog meas.

Top Stark Shale 4187 (-1429) Elog 4186 (-1428)

4192±-4205 (200' zone) Fair show light free oil (good odor). Fine to medium xln grey and white partly oolitic, slightly fossiliferous limestone with fair vugular and some inter-xln and inter-oolitic porosity. Fair show light staining and saturation. PERFORATE 4188-4192 Elog meas.

4218±-4226 (220' zone) Trace show free oil (from above?) (no odor). Mostly dense white limestone, no show oil. Elog is negative.

TOP MARMATON LIMESTONE (correlative) not called Elog 4271 (-1513)

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4277-4283 (upper Marmaton) Very small show somewhat dark free oil. Finely xln slightly fossiliferous, partly oolitic limestone. Small amount dark staining. PERFORATE 4272-4274 Elog meas.

4292±-4298± (upper Marmaton) Samples indistinguishable from above, however, Elog is negative.

4376±-4384± (lower Marmaton) Small amount light oil staining in finely xln limestone. PERFORATE 4372-4374 Elog meas.

4388-4393 (lower Marmaton) Small amount light staining as above. PERFORATE 4383-4387 Elog meas.

TOP FT. SCOTT LIMESTONE

4442 (-1684) Elog 4433 (-1675)  
(called too low)

4439-4442 (upper Member) Drilled fast. Fair show light free oil. Fairly friable grey oolitic limestone with fair inter-oolitic porosity. Small to fair amount partial saturation and staining. Some finely xln limestone, poor to fair vugular porosity, small show staining. PERFORATE 4434-4438 Elog meas.

TOP CHEROKEE FORMATION

not called Elog 4457 (-1699)

4475±-4480± Very small show oil staining in finely xln limestone with poor to fair vugular porosity. PERFORATE 4470-4474 Elog meas.

4502-4524 ("Johnson" zone) Fair show free oil. Finely xln partly fossiliferous grey and white limestone, poor to fair vugular porosity; cpl pcs medium xln with good vugular porosity. Fair amount staining and partial saturation. White, fine grained sand clusters (no show free oil) with depth. PERFORATE 4498-4502 Elog meas.; PERFORATE 4504-4508; PERFORATE 4514-4520 Elog meas.

TOP MISSISSIPPIAN LIMESTONE

4540 (-1782) Elog 4524 (-1766)

Chunky white limestone, no show oil. Abundant fine grained sand clusters as above, no show oil.

TOP MISSISSIPPIAN DOLOMITE

4558 (-1800) Elog 4551 (-1793)

Fine to medium xln partly fossiliferous chunky tan dolomite with fair to good vugular porosity, no show oil.

ROTARY TOTAL DEPTH

4600 (-1842) Elog 4595 (-1837)

REMARKS

All above figures are from rotary bushing zero at an elevation of 2758 feet, five feet above the ground level.

Samples were examined from 3500' and drilling watched from about the L-KC 140' zone to the total depth.

Straight hole tests: none over 1°. Centralizers were spotted at appropriate intervals.

Elog, sample analysis and structural position indicate this hole should make an oil well. Casing was run without drill-stem testing with the future need for disposal facilities as an additional backup.

ANN WATCHOUS & STEVE ROBBEN

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