5-30-2W

Computer inventoried

# GEOLOGIC REPORT

Palomino Petroleum, Inc.
#1 Shinn

C N/2 NE NW Sec. 5-30S-2W
Sumner County, Kansas

## MISCELLANEOUS DATA

Elevation: 1300 Gr.; 1305 R.K.B.

This well was drilled with rotary tools; Allen Drilling Company of Great Bend, Kansas, the contractor.

Moved in rotary tools August 21, 1992. Ran 252' of 8-5/8" 20# surface casing set at 259' and cemented with 170 sacks 60-40 Pozmix, 2% gel, 3% c.c. Cement did circulate. No production casing was set and no electric log was run. Rotary completed August 30, 1992. Pool - Wildcat. Dry & Abandoned.

## GEOLOGIC TOPS AND ZONES

TOP STALNAKER SAND 2702 (-1397)

Tite, fine-grained sand clusters, some slightly glauconitic. No show oil, however, samples are "pulverized".

TOP KANSAS CITY 3013 (-1708)

Several very small shows of free oil were found scattered throughout the upper 100'± of the KC section, generally in very finely xln limestone with poor porosity (a few scant pcs of slightly oolitic and slightly fossiliferous limestone contained trace shows of oil as well). Attempted to test with D.S.T. #1, 3030-3141. See below.

TOP STARK SHALE 3130 (-1825)

TOP SWOPE MEMBER 3135 (-1830)

3135-3141 Faint odor and fair show medium to light free oil. Finely xln slightly fossiliferous limestone with generally poor pinpoint porosity and small vugs (rocks are "tite"). Fair to good show medium to light oil saturation. Tested with D.S.T. #1.

A drill-stem test was attempted from 3030-3141. Packer failure. A drill-stem test was then attempted from 3124-3141. Tool plugged.

Drill-stem Test #1: A test was taken from 3124-3141; tool open 1 hour (30-30-30-30), weak blow throughout. Recovered 45' of gas in pipe above 15' of mud with a few oil spots. Flow pressures 23#-23# and 23#-23#. Shut-in pressures 247#(+)-188#(+).

3141-3146 Fair odor and fair to good show light to medium free oil. Fine to medium xln partly fossiliferous (slightly "sub-oolitic") grey limestone with poor to fair pin-point, vugular and fossil-cast porosity. Fair to good show light to medium oil staining and saturation. Tested with D.S.T. #2.

Drill-stem Test #2: A test was taken from 3124-3146; tool open 1 hour (30-30-30-30), weak blow building to good blow throughout. Recovered 2' of clean oil and 125' of slightly oil cut muddy water. Flow pressures 23#-35# and 70#-82#. Shut-in pressures 896#-825#.

TOP HUSHPUCKNEY SHALE 3165 (-1860)

TOP HERTHA MEMBER 3166 (-1861)

TOP HERTHA POROSITY 3178 (-1873)

RECEIVED
STATE CORPORATION COMMISSION
SEP 10 1992
CONSERVATION DIVISION
Wichita, Kansas

3178-3183 Very small show free oil. Fine to medium xln tite limestone, pcs slightly fossiliferous and slightly oocastic. Some poor vugular and very poor oocastic porosity. Small show light to medium oil staining and saturation and some barren oocastic porosity. North offset D.S.T. from -1869 to -1875 recovered 540' water with trace of oil.

3183-3191 More oocastic porosity with depth with few pcs containing small show free oil. Considerable barren porosity, but small to fair show light to medium oil staining and partial saturation. See north offset D.S.T. interval above.

TOP MISSISSIPPIAN 3631 (-1326)

The upper 20'± contained dense xln limestone and weathered chert, much shale, no show of oil. The 3660 drilling sample did contain a trace show of very light free oil (had taste) in weathered chert and dolomitic lime. C.F.S. @ 3675 = very faint odor and very small show of extremely light free oil. Dolomitic limestone, weathered chert and rough xln limestone with generally poor porosity (rocks are "tite"). Tested with D.S.T. #3.

Drill-stem Test #3: A test was taken from 3645-3675; tool open 1 hour (30-30-30-30), good blow throughout. Recovered 3600' of gas in pipe above 35' of gassy mud. Flow pressures 23#-35# and 35#-35#. Shut-in pressures 1370#-1347#.

Abundant dark brown, very dense finely xln dolomitic chert and sharp white chert with depth -- no show oil.

TOP SIMPSON SAND 4045 (-2740)

4045-4050 Fair odor and small to fair show free oil. Friable irregularly grained clear sand clusters and some loose sand grains. Sand clusters had light, even oil saturation, but small percentage of sand (grains or clusters). Tested with D.S.T. #4.

4050-4055 Weaker odor and very small show free oil. Still carrying sand clusters and grains as above, but percentage is still small. Tested with D.S.T. #4.

Drill-stem Test #4: A test was taken from 4046-4055; tool open 1 hour (30-30-30-30), weak to fair blow throughout. Recovered 30' of gas above 60' of muddy water (no show of oil). Flow pressures 11#-11# and 23#-23#. Shut-in pressures 1404#-1370#.

ROTARY TOTAL DEPTH 4055 (-2750)

## REMARKS

All above figures are from rotary bushing zero at an elevation of 1305 feet, five feet above the ground level.

Samples were examined from 2950' and drilling watched from above the Kansas City to the total depth.

Straight hole tests: none over 2¼°.

ANN WATCHOUS
Well-site Geologist

RECEIVED
STATE CORPORATION COMMISSION
SEP 10 1982
CONSERVATION DIVISION
Wichita, Kansas

# TIME LOG

Palomino Petroleum, Inc.
#1 Shinn

C N/2 NE NW Sec. 5-30-2W
Sumner County, Kansas

---

| FROM | TO | MINUTES | REMARKS |
|---|---|---|---|

NOTE: THE FOLLOWING IS FIVE FOOT DRILLING TIME ("CONNECTION" SAMPLES WERE KEPT FROM 2000' TO 2950')

| | | |
|---|---|---|
| 2000-2050 | 6-6-5-6-5 8½-11½-16-16-9 | |
| 2050-2100 | 3-7½-6½-7-12 12-8-8½-9½-5½ | |
| 2100-2150 | 20-20-11-9½-12½ 12½-13½-9½-4½-5 | |
| 2150-2200 | 5-4½-8-6½-12 9-11-8½-7½-11 | |
| 2200-2250 | 6½-5½-5½-5-5 5-8-8-10-12 | |
| 2250-2300 | 13-14-12-8½-6 7½-8-7½-10½-9½ | |
| 2300-2350 | 10-10-10½-9½-11½ 10½-7-16-18-17 | |
| 2350-2400 | 15½-11½-10½-11½-13 12½-15½-7½-13-11 | |
| 2400-2450 | 11-7½-11-11-9½ 11½-16½-8-13½-16 | |
| 2450-2500 | 12½-11-11-10½-9½ 11½-4½-17½-11-10½ | |
| 2500-2550 | 11-11½-9½-10½-9 8½-9-9-10-9 | |
| 2550-2600 | 11-11-12-12-12 12½-9½-10-11½-10½ | |
| 2600-2650 | 12½-10½-12½-11½-11½ 11½-12-11½-10-9 | |
| 2650-2700 | 9-10-11-10-5 7-10-8½-8½-8 | |
| 2700-2750 | 6-3-5-4½-4½ 5-6-4-3½-4 | C.F.S. 30 min. @ 2710 |
| 2750-2800 | 4-6½-5-3-4 4-4-3-5-5 | |
| 2800-2850 | 4-4-5-5-7 4-5-14-13-10 | |
| 2850-2900 | 12-10-12-11-8 8-8-9-9-8 | |
| 2900-2950 | 7-6-9-8-11 10-10-10-9-11 | |

NOTE: THE FOLLOWING IS ONE FOOT DRILLING TIME (TEN FOOT SAMPLES WERE KEPT FROM 2950' to R.T.D.)

| | | |
|---|---|---|
| 2950-2960 | 2-2-1-2-2 2-1½-1½-2-2 | |
| -2970 | 1½-1½-2-2-2½ 1-1½-2-2-1½ | |
| -2980 | 1½-2-2-2-2 2-2-2-2-2 | |
| -2990 | 2-2-1-2-2 2-1-1½-1½-1 | |
| -3000 | 1-1½-1½-1-1 2-1-1½-1½-1 | |
| 3000-3010 | 1-1-1-1-2 1-1-1-2-1 | |
| -3020 | 2-2-1-3-2 2-1½-1½-2½-2 | |
| -3030 | 1-1-2-1-1 2-2-2-2-3 | |
| -3040 | 2-1-2-2-2 2-3-2-2½-2½ | |
| -3050 | 3-2-2-2-2 1½-2½-2-2½-2 | |
| 3050-3060 | 2½-1½-1½-1½-2½ 2-1½-2½-2½-1½ | |
| -3070 | 2-1½-2½-2-1½ 1½-2-3-3½-3½ | |
| -3080 | 4-3-2-2-3½ 2½-4-3½-2-3 | |
| -3090 | 3½-3½-4-4-4½ 4½-2-3½-3½-3½ | |
| -3100 | 1-2-1-2½-2½ 3-3-2½-2-1½ | |
| 3100-3110 | 2-1-2½-2½-2½ 2½-2-3-4-4 | |
| -3120 | 3-5-5-4-4 2-4-3½-3½-2 | |
| -3130 | 3-5-5½-4½-5 4-5-5-4-4 | |
| -3140 | 3-4-4-3-1½ 3-4½-4-4-3½ | |
| -3150 | 3½-2-1½-1-1½ 1-2-1-2-1 | C.F.S. @ 3141; Attempt D.S.T. #1 = packer failure; Attempt D.S.T. #1 = tool plugged; D.S.T. #1 @ 3141. C.F.S. & D.S.T. #2 @ 3146 |
| 3150-3160 | 2-2½-2-1½-2 1-1½-1½-1-2 | |
| -3170 | 1-1½-1½-3-3 1-4-2-4-5 | |
| -3180 | 6-4-5-5-4½ 5-6½-4½-2½-1 | |
| -3190 | ½-½-½-½-½ ½-½-½-½-1 | C.F.S. @ 3183 |
| -3200 | 2-4-7½-6½-8 8-7-7-6-6½ | |
| 3200-3210 | 6½-5½-3½-5-4 4-4-5-4-3 | |
| -3220 | 4½-4-2½-4-5 6-6-8-8½-7½ | |
| -3230 | 6-8-6-6-7 6-5-5½-4½-6 | |
| -3240 | 5-4-4-4-4 4-3-3½-2½-3 | |
| -3250 | 3-3-3-2-3 3½-3½-3-3-3 | |

RECEIVED
STATE CORPORATION COMMISSION
SEP 10 1992
CONSERVATION DIVISION
Wichita, Kansas

TIME LOG

#1 Shinn



| FROM | TO | MINUTES | REMARKS |
|---|---|---|---|
| 3250 | -3260 | 3-3-3-2½-3 2½-3½-3½-3-2½ | |
| | -3270 | 2½-3-2-1½-2½ 2-2½-4-3½-2 | |
| | -3280 | 2½-1½-3-2-2 2½-2½-2-3½-3½ | |
| | -3290 | 2½-2½-2½-2½-1½ 2½-2-2-2-2 | |
| | -3300 | 2-2½-2-3-2½ 2½-2-3-2-3 | |
| 3300 | -3310 | 2-3-3-2-3 3-3½-3½-3½-4 | |
| | -3320 | 3½-3-3-2½-2½ 2½-2½-3-3-3½ | |
| | -3330 | 2½-3-3-1½-1½ 2½-4½-4-3-4 | |
| | -3340 | 3½-3-3-3½-2½ 3½-3½-3½-4½-3½ | |
| | -3350 | 3½-4-3½-3½-3½ 4-3-3½-4-4 | |
| 3350 | -3360 | 3-4-3-4-3 2½-3-1½-2½-3 | |
| | -3370 | 3-3-3-3-3 4-3½-4½-3-3½ | |
| | -3380 | 4½-3½-3½-4-3 3½-3½-3½-4-4 | |
| | -3390 | 3½-4½-5½-5½-3½ 3-3-2½-2½-1 | |
| | -3400 | 4-3-3-3½-3½ 3½-4-3½-3-4 | |
| 3400 | -3410 | 3-3-3-3½-3½ 4-3-3½-3½-4 | |
| | -3420 | 3½-3½-3½-3½-3 4-2½-4½-4-2 | |
| | -3430 | 3½-3½-3-4-3 3½-4½-4-4-3 | |
| | -3440 | 2-1½-2½-4-3½ 3-3½-3½-4-4½ | |
| | -3450 | 7-4½-5-4-2½ 2-3-6½-3½-2½ | |
| 3450 | -3460 | 1½-5-4-4-3 4½-5-3½-4½-4½ | |
| | -3470 | 4½-5½-4-4-5½ 4½-5½-5-5½-7 | |
| | -3480 | 4½-5½-4½-7-5 5-5½-5½-4½-1 | |
| | -3490 | 1-1-1-1½-1½ 3-3-3½-4½-5 | |
| | -3500 | 4½-5½-4½-4-4 2-3½-4-2-2½ | |
| 3500 | -3510 | 3-2½-3-3-2½ 5-3-5½-5-4 | |
| | -3520 | 3-4-3-2-2 3½-5½-4½-4½-3½ | |
| | -3530 | 4½-3½-3½-3-3 4-3½-2-4½-3 | |
| | -3540 | 4-4-4½-4-5 4½-5-6-4-5 | |
| | -3550 | 3½-3½-4-4-3 4-3-4-4-3 | |
| 3550 | -3560 | 2½-3-2½-2-3½ 3-2-1½-2-2½ | |
| | -3570 | 2½-2½-1½-1-3½ 3-3½-3½-3½-3½ | |
| | -3580 | 3-3½-4-3-3 3½-3-3-2-1½ | |
| | -3590 | 2-1½-1½-3-4 3½-3½-3½-3½-1 | |
| | -3600 | 1½-1-2½-3-3½ 4-3-3½-3½-2½ | |
| 3600 | -3610 | 2½-2½-2½-2½-1½ 2½-2-1½-1½-1½ | |
| | -3620 | 1½-2½-2½-1½-1½ 1-2-2½-3-3½ | |
| | -3630 | 3-3-2½-2½-2 2½-2½-3-3-3 | |
| | -3640 | 3-2½-2-1-1½ 2½-1½-1½-1½-1½ | |
| | -3650 | 1½-1½-1-1½-1½ 1½-1½-2½-2½-2½ | C.F.S. 30 min. @ 3650 |
| 3650 | -3660 | 2-2-3-2-2 2½-1½-2-1-2 | C.F.S. @ 3660 |
| | -3670 | 2-2-2-2-3 3-2-2-2-2 | |
| | -3680 | 2½-2-2½-2-2 2-1-2-2-2 | C.F.S. & D.S.T. #3 @ 3675 |
| | -3690 | 1-2-1-1-1 1-1-2-1½-½ | |
| | -3700 | 2-1-1-1-4½ 2-2½-1-1-1 | |
| 3700 | -3710 | 2-1-1-1-1 1½-2½-2-3-4 | |
| | -3720 | 4½-3½-2½-3½-3½ 3½-4-4-4½-4 | |
| | -3730 | 4-4½-4-5-5½ 5-5-7-7-7 | |
| | -3740 | 7-7-7-7-8 8-7-9-9-7 | |
| | -3750 | 7-11½-7½-8-7 8-9-8-8-9 | |
| 3750 | -3760 | 8-9-7½-8½-5 5-6½-4½-8½-5 | |
| | -3770 | 7-7-7-5-4 4½-5½-5-4-5½ | |
| | -3780 | 4½-5-6-5-5 6-6-5-5-6 | |
| | -3790 | 5½-5½-5-5½-5 5-4½-3-3-5 | |
| | -3800 | 4-3-5-5½-5½ 4-3½-5½-5-4 | |
| 3800 | -3810 | 4-5-5-4½-4½ 4½-4½-5½-4½-3 | |
| | -3820 | 4-3½-3½-4-3½ 4½-6-5-4-2½ | |
| | -3830 | 4½-4-4½-4½-5 4-4-5-5-4 | |
| | -3840 | 4-4-4-4-5 4½-4-4-5-4½ | |
| | -3850 | 3½-4½-4½-3½-4 4-3-4-4-4 | |

RECEIVED
STATE CORPORATION COMMISSION
SEP 10 1992
CONSERVATION DIVISION
Wichita, Kansas

TIME LOG

#1 Shinn



| FROM | TO | MINUTES | REMARKS |
|---|---|---|---|
| 3850 | -3860 | 2-4-4-4-4 3-3½-3-4-2½ | |
| | -3870 | 2-2½-3-3-2 2-1-1½-1½-1½ | |
| | -3880 | 2-3½-½-½-1 1-1-½-½-½ | |
| | -3890 | ½-1-1-½-½ 1-1-1-½-½ | |
| | -3900 | 1-1-½-½-1 1-½-1-½-1 | |
| 3900 | -3910 | 1½-1-1-1-1½ 2-1-1½-1-1½ | |
| | -3920 | 1½-1½-2-1-1½ 2-2½-2-2-3 | |
| | -3930 | 3½-6½-4-1½-3 3½-5-5-3-3 | |
| | -3940 | 5½-7-8½-7-5 5-8½-5-4-4 | |
| | -3950 | 5-5-6½-7-5 6-5½-8-7-5½ | |
| 3950 | -3960 | 5-6½-10½-6½-5½ 5-9-8-5-4½ | |
| | -3970 | 6½-9-5-5½-8½ 5½-5-8½-7-4½ | |
| | -3980 | 10½-5-5½-6-6½ 7½-7½-7-8-8 | |
| | -3990 | 8-6-4½-4-6½ 6½-5½-5-6-6 | |
| | -4000 | 5-5-5-7-5 4½-6-4½-4-7 | |
| 4000 | -4010 | 4-5-4-4-5 4-4-3-4-5 | |
| | -4020 | 4½-3½-4-4-5 4-4-5-5½-5½ | |
| | -4030 | 5-4-6-5-5 5-6-5-4-6 | |
| | -4040 | 4-5-5-4-4½ 4½-5-4½-5½-4 | |
| | -4050 | 6-5-4-4-5 7-5-3-3½-3½ | C.F.S. @ 4045; C.F.S. @ 4050; |
| 4050 | -4055 | 3-2-3-4-3 | C.F.S., D.S.T. #4, & Rotary Total Depth @ 4055 R.B.M. |

RECEIVED
STATE CORPORATION COMMISSION
SEP 10 1992
CONSERVATION DIVISION
Wichita, Kansas