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STATE CORPORATION COMMISSION

23-34-2E

JUL 23 1984

GEOLOGIC REPORT

CONSERVATION DIVISION  
Wichita, Kansas

Springer #1

Section 23 T34S-R2E

Sumner County, Kansas

Company: Buccaneer Petroleum Inc.  
Contractor: Edco Drilling  
Spud: April 5, 1984  
Completed: April 12, 1984  
Elevation: GL 1183' KB 1188'  
Surface Casing: 268' of 8 5/8"  
Logs: Dresser Atlas  
Status: Ran 5 1/2" production casing

The following is a description of well bore cuttings as examined under high power magnification, as well as ultraviolet light screening for the presence of hydrocarbons. Samples were examined in 5' to 10' intervals from 2200' to 3820'. Measurements were corrected back to reflect electric log readings.

FORMATIONS:

DESCRIPTIONS

Stalnaker Sandstone  
(2342-2502')

Sandstone, white, fine to medium grain, subangular, well sorted. No shows.

Layton Sandstone  
(2782-2918')

Sandstone, white-clear, light gray, fine grain, subangular. No shows.

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FORMATIONS (CONT.):

Kansas City Limestone  
(2958-3086')

Cleveland Sandstone  
(3110-3140')

Oswego Limestone  
(3159-3280')

Stray Sand  
(3361-3370')

Bartlesville  
(3440-3454')

Mississippi Chat  
(3467-3510')

DESCRIPTIONS (CONT.):

\*Limestone, cream-tan, fine crystalline to oolitic. At 2970-80' and 2990-3000' sample had 80% bright yellow fluorescence. Good odor. Water saturation from 30% to 100%.

\*Sandstone, white-light gray very fine grain, well sorted shaley. At 3110-40' samples had 70% bright yellow fluorescence, with free oil. An excellent show.

Limestone, tan-buff, fine crystalline.

\*Sandstone, white, light gray, very fine grain, silty, 50% fluorescence. Good odor.

\*Sandstone, light gray, fine grain, friable, shaley. 50% yellow fluorescence, good odor at 3440-50'. Water saturation range from 44% to 52%.

Chert, white-opaque, fractured, no shows, water saturation range 41% to 88%.

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FORMATIONS (CONT.):

Mississippi Limestone  
(3550-3688')

Simpson Sand  
(3794-3820')

DESCRIPTIONS (CONT.):

Limestone, tan-brown, sandy.

No shows.

\*Sandstone, white-light gray, very fine grain to medium grain, sub-angular to angular quartz grains. 2% to 5% bright yellow fluorescence at 3790-95'. Water saturation range from 63% to 88%.

\*Indicates show of hydrocarbons

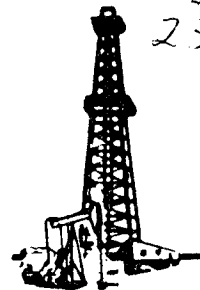
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State Geological Survey  
WICHITA BRANCH



## Buccaneer Petroleum, Inc.

P. O. BOX 425  
TONKAWA, OKLAHOMA 74653



### COMPLETION REPORT

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- 4-17 Rigged B & S Well Service Up. Ran Tubing with Bit (4 7/8). Drilled out DV Tool. Ran Tubing to bottom and packed off Well Head.
- 4-18 Rig Halliburton up on location. Displaced capacity of hole w/2% KCL Water. Pulled tubing for Bond Log and perforate. Appeared to have good Bond to 2820' Perforated Simpson from 3782-86 17 shots. Ran tubing to 3763' w/R-4 Halliburton Packer. Swab Test Well. Reset Packer twice w/no results. Shut Down.
- 4-19 Rig up Weight Indicator. Pull 12000# above string weight on Packer. Swab well down. Rigged up for acid Job. Halliburton pressured up on annulus. Would Not Hold! Pulled tubing and packer and replaced rubber on packer. Tallied tubing back in hole and set packer. Swabbed well down. Shut down.
- 4-20 Rigged Halliburton up and pressure annulus. Packer not holding! Release packer and pull up 1 joint and reset. Still not holding. Pull tubing and packer. Rig up casing swab. Swab well down. Rig Halliburton up for Acid Job. Acidized Simpson w/200 gal. 7½% FE Acid, 1 gal. Cla Sta and 1/4 gal Frac Flo CS. Break down @ 600 PSI. Pump job @ 1/3 to 1/2 Bbl Min. Treating Pressure 500-600 PSI. Instant Shut in 575. Swab back treatment. No Shows!! Shut Down.
- 4-21 Shut in Pressure over night -0. Check Fluid Level. 300 Ft. of fill up. Recover treating fluid. No Shows. Reperforate Simpson Sand from 3787-92-21 shots. Swab test well. No fluid entry. Shut Down.
- 4-23 Swab test 200' dirty treating water. No entry ran 5½ RTTS Halliburton Packer for acid job. Reacidized Simpson w/350 gal. 7½ FE Acid, 1 gal. Cla-Sta II ½ gal. Frac Flo CS, 25 1.1 Ball Sealers. Break well down @ 1050 PSI. Pump job @ 3½ Bbl Min. 975#-1000# Instant shut in 650#. Swab back job. No Shows !! Shut Down.
- 4-24 Overnight shut in -0 PSI. Pull Tubing. Set CI Plug @ 3510'. Perf. Btvl's. from 3440-44 13 shots. Run tubing and swab test. No shows. Release packer and run below perfs. to check CI Plug. CI Plug leaking release packer and shut down.