

HISTORY OF OIL OR GAS WELL
(Submit in duplicate)

In compliance with rules and regulations adopted pursuant to ORS 520.095 (Chapter 667 OL 1953)

Operator **Oregon Oil & Gas Company** Field **Nashville area**
Well No. **Roberts No. 1** NB $\frac{1}{2}$, Sec. 25, T. 10 S R. 8 W W. B. & M.Signed **A. M. Ropp**
Date **June 30, 1960** Title **President**
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

8-6-59 Spudded on August 6, 1959. Mixed gel mud. Drilled 7-5/8" hole to 117 feet.
to
8-8-59

8-9-59 Took day off.

8-10-59 Drilled 7-5/8" hole to 187 feet. Opened 7-5/8" hole to 12-1/4" from the surface to
to 165 feet.
8-15-59

8-16-59 Took day off.

8-17-59 8-5/8" surface casing cemented at 168 feet with 100 sacks of construction cement.
Circulated for 3/4 hour conditioning mud before running casing. Ran in and hung
8-5/8" casing at 168 feet. Pumped in 100 sacks of construction cement. Used top
and bottom wood plugs. Bumped plugs with 250 psi. Used Halliburton guide shoe
with baffle plate.

8-18-59 Standing cemented - 40 hours. Landed 8-5/8" casing and installed Shaffer Double
to Gates with manual controls. Drilled out cement and casing shoe with 4-3/4" rock
8-19-59 bit. Checked casing shoe at 168 feet kelly bushing measurement. Mixed gel mud
and Baroid - mud weight 67 pounds. Drilled 4-3/4" hole to 228 feet.

8-20-59 Drilled 4-3/4" hole to 310 feet. Forestry Department shut operation down until a
permit was obtained to operate machinery in the forest area.

8-21-59 Drilled 4-3/4" hole to 485 feet.
to
8-22-59

8-23-59 Shut down.

8-24-59 Drilled 4-3/4" hole to 980 feet.
to
8-29-59

(2)

Form 6-54

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DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland 1, OregonHISTORY OF OIL OR GAS WELL
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8-30-59 Shut down.

8-31-59 Drilled 4-3/4" hole to 1230 feet.
to
9-3-59

9-3-59 Shut down. Stripped threads on two drill collars. Took collars to Salem to be
to repaired.
9-7-59

9-8-59 Drilled 4-3/4" hole to 1550 feet. Slight gas show at 1515-20 feet on ditch.
to
9-12-59

9-13-59 Shut down.

9-14-59 Drilled 4-3/4" hole to 1800 feet. Gas show on ditch between 1670 and 1700 feet.
to Lost two bit cones at 1800 feet. Ran in with a magnet on drill pipe and recovered
9-18-59 cones. Drilled 4-3/4" hole to 1830 feet.

9-19-59 Drilled 4-3/4" hole to 1900 feet.

9-20-59 Shut down.

9-21-59 Drilled 4-3/4" hole to 2360 feet. Lost two bit cones in the hole. Ran in with a
to magnet on the drill pipe and recovered cones.
10-10-59

10-11-59 Shut down.

10-12-59 Mixed and conditioned mud. Drilled 4-3/4" hole to 2440 feet. Salt water entry at
to 2405-2425 feet. Also a slight gas show. Twisted off drill pipe while drilling at
10-13-59 2360 feet. Ran in and recovered same. Kelly thread stripped - took to Salem for
repairs.

(3)

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10-14-59 Drilled 4-3/4" hole to 2630 feet. Standby pump quit - drill pipe stuck! Took a
to 55,000-pound pull on pipe with the drilling line. Added 1000-pound pull on pipe
11-7-59 with hydraulic lifting kelly-head. Broke circulation with 1500 psi and blew up
kelly hose. Tried working the pipe up and down - no luck.

Called Halliburton out of Rio Vista, California. Halliburton hooked up a circulating
head and began circulating - blew a hole in the drill-pipe threads \pm 100 feet.

Called Ford-Alexander out of Bakersfield to run a free point indicator and shoot off
the drill pipe. Ford-Alexander could not get their tools to go down the hole.
Rigged up a sinker bar on 3/8" cable. Ran in and shot off drill pipe at 2562 feet.
Left bit, two drill collars and a single in the hole!

Ran Schlumberger electric log to 2562 feet. No other surveys run.

11-15-59 Called Cook Testing Company out of Bakersfield. (All tests except the bottom one
to were made with a straddle packer.)
11-22-59

Formation test (2389-2569')

Ran in with Cook tester and jars on 2" drill tubing and set packer at 2389 feet;
tailpiece extended to bottom at 2569 feet. Tool was open for one hour and 10 minutes.
Had a medium decreasing blow during the entire test. Recovered 810-foot rise of
gassy mud. Mud cut 40 percent salt water which tested 535 grains per gallon NaCl.
Charts showed tool was open during the entire test. Initial pressure 190 psi, final
flowing pressure was 380 psi, hydrostatic pressure was 1300 psi. There was no fluid
loss noted at the surface in the annular space between the drill pipe and casing.

Formation test (2158-2178')

Ran in with Cook straddle tester and jars on 2" drill tubing. Set packers. Top
packer at 2158 feet and bottom packer at 2178 feet. Tailpipe extended to bottom at
2569 feet. Tool was open one hour and 30 minutes. Recovered 1880-foot rise of
slightly gassy mud and salt water which tested 765 grains per gallon NaCl. Pressure

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charts showed that the tool was open during the entire test. Initial pressure was 210 psi, final flowing pressure was 985 psi, hydrostatic pressure was 1200 psi. No fluid loss noted in the annular space. Gas bubbling from the drill pipe was ignited and burned with an orange-yellow flame. A gas sample was taken.

Formation test (1739-1817')

Ran in with same tools as before and set packers at 1739 and 1817 feet, tail to bottom. Tool was open (?) 3 hours and 30 minutes. Recovered a total of 1495 feet rise; 995 feet of mud and 500 feet of gassy salt water, salinity not tested. Top pressure recorded failed to work, bottom recorder showed that the lower packer held.

Formation test (1531-1550') Run No. 1

Ran tools as before, packers at 1531 and 1550 feet. Tool was open (?) one hour. Recovered 220 feet of mud. Top recorder did not work, bottom recorder showed lower packer held.

Formation test (1531-1550') Run No. 2

Ran tools as before. Tool open one hour. Recovered 220-foot rise of mud. Top recorder failed to work again. Bottom recorder showed that the lower packer held.

Formation test (1152-1232')

Ran tools as before. Tool open for 45 minutes. Fair blow, gas surfaced in 12 minutes, decreased to dead in 30 minutes. Recovered 1025-foot rise of gassy mud cutting 50 percent salt water which tested 295 grains per gallon NaCl. Charts showed tool was open during the entire test. Initial pressure was 225 psi, final flowing pressure was 510 psi, hydrostatic pressure was 685 psi. Gas bubbling out of the drill pipe was ignited and burned with an almost invisible blue flame. A gas sample was taken.

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5-25-60 Cement plug (100-178'): Plugged 4-3/4" hole and 8" casing through 2" open end drill tubing hung at 178 feet. Displaced 10 sacks of construction cement with compressed air. Top plug (0-10'): Bridged hole with burlap bags and paper cement sacks. Put in a 10-foot cement plug at the top of the casing.

Abandoned 5-24-60.

Note: Well history was written from the daily tour sheets by V. C. Newton, Petroleum Engineer, State of Oregon Department of Geology and Mineral Industries.