

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 **V. V. Erntson** Field **Marion area**
Well No. **Schermacher No. 1**, Sec. **27**, T. **9 S** R. **2 W** W.B. & M.

Signed **A. M. Ropp**
Date **January 26, 1959** Title **Superintendent**
(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.

- Date 3-17-58 to 4-16-58 Spudded. Used cable tools to 220 feet (West Water Drilling Company, Salem). Drilled and carried casing as hole was caving. Cemented 8" casing at 220 feet with 5 sacks of construction cement. Shut in well head and put 100 psi air pressure inside casing. Left with pressure over night. Found the fluid inside the casing had dropped 2 feet after standing all night with pressure on it.
- 4-17-58 Moved a small rotary rig over the hole. Drilled out cement using a 4-3/4" bit on 2 1/2" drill tubing. Drilled 4-3/4" hole to 325 feet.
- 4-21-58 to 4-22-58 Drilled 4-3/4" hole to 420 feet. Hard drilling.
- 4-23-58 to 4-30-58 Drilled 4-3/4" hole to 530 feet. Very hard drilling. Wore out two bits in interval (420-530').
- 5-1-58 to 5-4-58 Shut down.
- 5-5-58 to 5-6-58 Began using retipped bits. Drilled 4-3/4" hole to 571 feet. Very hard.
- 5-12-58 Drilled 4-3/4" hole to 577 feet. Still very hard.
- 5-19-58 to 5-21-58 Drilled 4-3/4" hole to 600 feet. Very hard. Streaks of black material in returns. Took drill collar to Portland for straightening.
- 5-22-58 to 6-1-58 Shut down.

Note:-Drilling on this hole was done on a part time basis as the operator had to take care of his farming business.

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- 6-2-58 Drilling rate increased to 12 inches per hour at about 600 feet. Drilled 4-3/4" hole to 610 feet. Rate increased to 14 inches per hour at 610 feet.
- 6-3-58 Drilled 4-3/4" hole to 720 feet. Drilling rate about 3 feet per hour to 620 feet, then slowed down to 14 inches per hour. Hard at 700 feet.
- 6-4-58 to 6-15-58 Shut down.
- 6-16-58 Drilled 4-3/4" hole to 730 feet. Broke into softer formation at 730 feet. Core #1 (730-738'). Core #2 (738-744').
- 6-17-58 Drilled 4-3/4" hole to 774 feet.
- 6-18-58 Core #3 (774-782').
- 6-19-58 Drilled 4-3/4" hole to 820 feet. Hard drilling (782-792'), soft (794-820'). Stringers of black material in returns.
- 6-20-58 to 6-22-58 Shut down.
- 6-23-58 Drilled 4-3/4" hole to 892 feet. Twisted off. Recovered fish.
- 6-24-58 Shut down.
- 6-25-58 Drilled 4-3/4" hole to 1065 feet. Drilling rate about 6 feet per hour.
- 6-26-58 Drilled 4-3/4" hole to 1170 feet. Drilling rate about 20 feet per hour (1085-1105') and 10 feet per hour (1105-1170').
- 6-27-58 to 6-29-58 Shut down.

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- 6-30-58 to 7-2-58 Drilled 4-3/4" hole to 1428 feet. Drilling rate averaged about 5 feet per hour.
- 7-3-58 to 7-6-58 Shut down.
- 7-7-58 Drilled 4-3/4" hole to 1640 feet. Mud flowed out of the drill pipe while making connections (mud column out of balance). Drilling rate about 15 feet per hour.
- 7-8-58 Drilled 4-3/4" hole to 1945 feet. Drilling rate over 25 feet per hour.
- 7-9-58 Drilled 4-3/4" hole to 2030 feet. Average drilling rate 10 feet per hour.
- 7-10-58 to 7-13-58 Shut down.
- 7-14-58 Drilled 4-3/4" hole to 2213 feet. Noticed bubbles on returns.
- 7-15-58 Drilled 4-3/4" hole to 2419 feet. Average drilling rate 20 feet per hour.
- 7-15-58 to 7-22-58 Shut down.
- 7-23-58 Core #4 (2419-2426'). Ran Schlumberger electric log (2426-22T).
- 7-24-58 to 1-13-59 Suspended operations.
- 1-14-59 Cement plug (230-190') with 10 sacks. Hung 2 1/2" open end drill tubing at 230 feet. Mixed and pumped in the hole 10 sacks of construction cement. Displaced cement with

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air in four batches. Got mud returns on the outside of the tubing after each air displacement showing cement was filling the hole. Followed cement with 25 gallons of water. C.I.P. 12:00 noon. Mixing and displacing time 1 hour and 15 minutes.

Hole abandoned 1-14-59. No surface plug was placed at the top of the casing as the landowner plans to apply for use of the hole as a water well.

HISTORY - was taken from the driller's log by V.C. Newton, petroleum engineer for the State of Oregon Department of Geology