

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 **Reserve Oil and Gas Company** Field **McCoy Area**
Well No. **Roy L & G Bruer #1**, Sec. **31**, T. **6 S** R. **4 N** W.B. & M.Date **June 15, 1960**Signed
Title *R Mangold*
(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
- 5-3-60 Colorado Western Drilling Company commenced moving in and rigging up with the following equipment: 133' Lee C. Moore mast, National Ideal 55 Draw-works, powered by 2 PD-6 Superior diesel engines, 2 C250 National Ideal 7-1/4" x 15" mud pumps, 1 tail driven, 1 driven by a GMC 671 twin diesel unit, 1-25 KW Palmer diesel generator, 4-1/2" API full hole drill pipe, 1 Shaffer double hydraulic blowout preventer with a Payne closing unit,
- 5-8-60 Spudded in at 1:30 PM, 5-8-60. Drilled to 530' with one 9-7/8" bit.
to
5-9-60 Opened hole to 15-1/2" with 1 hole opener.
- 5-10-60 Ran and cemented 17 joints, 532.16' of 10-3/4", 32.75 lb H-40 casing, including a Baker Guide Shoe, using Halliburton Oil Well Cementing Company equipment, with 350 sacks Permanente construction cement mixed with 230 cu. ft. of water to an average 114 lbs/ cu. ft. slurry. Last 100 cu. ft. treated with 2% Calcium chloride. Mixing time 35 minutes. Displaced with 295 cu. ft. mud in 20 minutes. Used 1 rubber plug, 150 psi working pressure, 125 psi final pressure. Did not bump plug. Plug stopped 10 ft. above shoe. Had full circulation during job. Had 30 cu. ft. returns. CIP at 1:40 PM, 5-10-60. Landed casing at 9:00 PM.
- 5-11-60 Drilled to 1586' with three 9-7/8" bits. Circulated hole clean and made
to
5-14-60 up Cook Formation Tester. Tools consisted of 3 recorders, perforated tail, Sutliff expansion joint, 2 - 9" bobtail packers, Homco safety joint, hydraulic tool with a 1/2" bean, Itco jars, 231 ft. of 6-1/4" drill collars, initial shut in tool, backscuttle valve 30 ft. above shut in tool. Set packers at 1544' and 1550', tail to 1586'. No cushion. Set packers at 3:44 PM, 5-14-60. Opened for initial shut in at 3:48 PM, opened tool at 4:05 PM, immediate medium strong blow, decreasing to very weak at end of test. Gas to surface in 5 minutes. Flow too weak to measure with Pitot tube. Shut in at 4:27 PM, pulled loose at 4:45 PM. Recovered a net rise of 358' muddy salt water and rat hole fluid. Salinity of water 940 grains/gallon. Pressure charts showed IH 800 psi, ISI 500 psi, IF 125 psi, FF 125 psi, FSI 250 psi, FH 750 psi.
- Conclusion: Zone wet and non-commercial.

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland 1, Oregon

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Date If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

5-15-60 Drilled to 5529' with 16 9-7/8" bits.

to
5-31-60

6-1-60 Cored 5529' - 5549' with 7-7/8" Reed drag bit. Recovered 17-1/2" (See attached core description). Conditioned mud, ran Schlumberger Induction-electric log, Sonic log, and Continuous Dipmeter, 5529' - 5549'.

Hung 4-1/2" open end drill pipe at 550 ft. Mixed and pumped in 60 sacks construction cement, utilizing ready-mix cement truck and rig pumps. CIP 5:30 PM, 6-1-60.

6-2-60 Located top of cement plug at 462 ft. at 1:00 AM, 6-2-60. Checked hardness of plug with full weight of drill pipe. Witnessed and approved by Vernon C. Newton, Jr, Petroleum Engineer, Department of Geology and Mineral industries, State of Oregon. Laid down drill pipe and drill collars. Tore out BOP. Placed 10 ft. plug, 0 - 10 ft, in 10-3/4" surface pipe, using 3 sacks construction cement. Released rig at 12:00 noon, 6-2-60. Well officially abandoned 6-2-60.