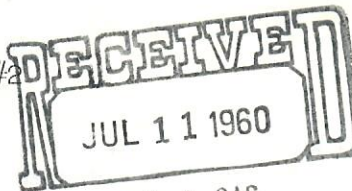




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MacNEILL #2



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JUN 30 1960

OIL & GAS

FROM

CONSERVATION COMMISSION

1960

- April 5 MI & RURT. CO @ 3370'.
- April 6 CO @ 4600'.
- April 7 CO to TD. Strapped DP, DP measurement TD 5119'. Went back in hole w/bit, reamed thru Niobrara, conditioned mud, laid down DP, now running csng.
- April 8 Ran 159 jts (5124.66' overall) 4½" OD 9.5# J-55 8RT ST&C new csng. set @ 5109', cmt'd. w/150 sx 50-50 pozmix. Pumped plug to 5075'. Plug down @ 1:50 PM 4-7-60. Nippled up. Released rig @ 4 PM 4-7-60. MORT, WOCT.
- April 9 WOCT.
- April 10 MI, RUCT, swbd. & bailed hole dry. Ran G-R & collar locator log. PBTd 5076'. Ran Oil Well perforators. Spotted 16 BO in hole. Ran jet notch cutter, 5045 & 5047' induction log measurement, or 5053 & 5055 G-R meas. Swbd. load oil. Bailed hole dry. On 7-hr test rec'd. approx 8 gals. filtrate wtr, NS.
- April 11 Spotted 55 gals. Control Flow mixed w/18 BO on btm., pressured up to 3500#, no breakdown. Perf. w/McCullough torpedo jet 5053-57', G-R measurement. Pressured up to 3500#, no breakdown. Vibrafraced perfs. Pressured up to 3500#, no breakdown. Ran bit, found bridge across perfs. Drlg. on iron @ 5053'. To run tbg. w/pkr to initiate formation breakdown.
- April 12 Ran tbg w/pkr set @ 4981', tbg. set @ 5022'. Pumped 4 bbls. Control Flow mixture thru tbg into formation @ 4500#. Had good breakdown @ 5200# to 4000#. Released pkr. Pumped 14 bbls. of Control Flow mixture down annulus @ avg. press. of 3300#, inj. rate 3/4 BPM. Reset pkr. Job complete @ 6 PM 4-11-60. TLO to rec. 39 bbls. Waited 11 hrs. Swbd. 20½ BLO in 3½ hrs. Last hr. swbd. 1 BLO, no show of gas.
- April 13 Swbd. 2.25 BLO in 5¼ hrs, slight show of gas. Pumped 250 gals. of MCA into formation. First 125 gals. @ rate of 1/4 BPM @ 2700#, pmpd. last 125 gals. @ rate of 5 BPM @ 4300#. Sandfraced w/4000# of 20-40 sand, 4000 gals. of frac oil. Max. treating press 6000#, min. treat. press 5200#, standing press 3000#, bleeding to zero in 12 mins, avg. inj. rate 3.1 BPM. 225 BLO to recover. Pulled tbg. w/pkr, started swbg. w/FL @ 900'. Swbd. 56.75 BLO in 4 hrs. Cleaning out frac sand.
- April 14 Swbd. 65.75 BO in 15 hrs, light show gas. Swbg. from 4600', recovering fair amt. of sand in bailer. SD overnight. After 9'hrs, found 1200'. Swbd. 11 BLO in 1 hr. To continue to swab, 93 BLO to recover.
- April 15 Swbd. 34 BLO in 10½ hrs, 250' above csng. perf. SD overnight. After 12 hrs, found 1450' fluid in hole. Ran bailer, rec'd. 1 gal. wtr, 3 gal. sd. Re-ran bailer full of wtr, 1 gal. sand. Swbd. 18½ BLO in 2 hrs.
- April 16 Swbd. 25.25 BLO in 10 hrs. SD overnight. Ran bailer, rec'd. 10 gal. wtr, 2 gal. sand. Re-ran bailer, rec'd. bailer full of wtr, 1 gal. sd. 15¼ BLO to recover.
- April 17 Swbd. 24 BF in 12 hrs, (15¼ BLO, 8-3/4 BNO). Ran bailer, rec'd. 10 gal. wtr, 1 gal. sand.
- April 18 SD for Easter.

MacNEILL #2

1960

- April 19 Swbd. 21 BO in 2 hrs, then swbd 25 BO in 8 hrs, trace of wtr, slight increase in gas. To run tbg, rods & set portable pumping unit.
- April 20 Running tubing.
- April 21 Ran tubing & rods. Setting pumping unit.
- April 22 Set pumping unit, hooking up temporary flow line.
- April 23 Started pumping unit, pumped up @ 4 PM 4-22-60. Pumped 25 BO in unknown number of hrs, engine down.
- April 24 Started unit, pumped 4 hrs, plunger stuck.
- April 25 Attempted to pull pump, sanded up. Stripping rods & tbg.
- April 26 Stripped rods & tbg. CO frac sand & mud. Swbd. 29 BO in 5 hrs while Cleaning out, trace of wtr. Still recovering sand & mud.
- April 27 Swbd. 80 BO w/trace of wtr in 23 hrs while cleaning out, recovering frac sand, mud & small pieces of cmt. Bailer stuck for $5\frac{1}{2}$ hrs in perforated interval. Rec'd. bailer. Swbg. & cleaning out.
- April 28 Swbd 162 BF in 24 hrs, estimated 1% to 3% wtr, while cleaning out. Still recovering frac sand, shale & cmt, no mud.
- April 29 Swbd. 168.2 BF in 20 hrs, cutting approx. 3% wtr. CO w/sand pump 4 hrs, recovering approx. 6 gals. sand & cmt. Prep. to run tbg. & rods.
- April 30 Ran tbg. SD for weather.
- May 1 Ran rods, built tank & treater grade. Poured foundation for treater base.
- May 2 Prep. to set tank & treater, ditching for flow lines. Surveying for power lines.
- May 3 Connecting tank battery.
- May 4 Laying flow lines & connecting tank battery.
- May 5 Laid flow lines, connecting tank battery, WO power lines.
- May 6 WO power lines.
- May 7 Laying power lines, connecting motor & controller.
- May 8 Filled treater overnight. Well down repairing wiring on electric motor.
- May 9 Pumped 174 BO in 24 hrs.
- May 10 Pumped 241 BO in 25 hrs.
- May 11 Pumped 68.34 BO in approx. 8 hrs. SI for tank room.
- May 12 Pumped 251 BO in $27\frac{1}{2}$ hrs.
- May 13 Pumped 225.01 BO in 24 hrs.

MacNEILL #2

1960

May 14 Pumped 190.69 BO in 20 hrs.

May 15 Pumped 260.34 BO in 24 hrs.

May 16 Pumped 251.69 BO in 24 hrs. FINAL REPORT.