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25-19-15W

April 3, 1986

Southard-Donovan #1

Completion Report

- 3/5/86 Rig up, swab fresh water, haul Arbuckle water to swab tank. Dump 10 barrels Arbuckle water down hole, Welex perforated 3560-70 with two 5" guns, 32 gram charges. Run swab, show of oil on first pull, swab dry. Shut in.
- 3/6/86 Fill-up of 8 barrels, no water. One hour swab 50' oil = 1 1/4 barrels. Dump 250 gallons 15% D.S.F.E. acid, load hole with 81 barrels Arbuckle water, shut-in.
- 3/7/86 Fluid 500' down, swab down, good show of oil, dried up. Lack 20 barrels to load back. One hour pull at 1/2 barrel oil, dump 300 gallons 15% N.E. with A.S. 7, load hole with 81 barrels Arbuckle water, shut-in.
- 3/8/86 Fluid down 300'. swab load back, first pull off bottom all oil. Two hour test - 2 1/4 barrels, 30 minute pull - 1 barrel oil, shut-in.
- 3/10/86 Fill-up of 6.55 barrels, swab down, Halliburton pumped in 750 gallons heated acid, 111 barrels total load, 81 barrels to load back, show of oil, dried up. 30 minute pull - 4.84 barrels, 30 minute pull - 2.50 barrels, 30 minute pull - 1.55 barrels, oil with trace of oil. Lacked 20 barrels to load back.
- 3/11/86 Fill-up of 1.50 barrels. Welex perforated 3570-78, 32 gram charges. Pulled swab, no fill up. Ran Halliburton pin point packer on tubing.
- 3/12/86 Set and flush packer, pump in 2 barrels per foot of 15% N.E. at 3570-78 and 1 barrel per foot on 3560-70. Lost plug in tool, fished plug, swabbed partial load off formation and shut in.

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- 3/13/86 Swab tubing, hole dried up. Five 30 minute pulls averaged .57 barrels of oil per pull. Pull tubing and packer.
- 3/14/86 Rig up 5½" swab, swab load off perforations. One hour test - 2¼ barrels of oil, trace of water. Welex perforated 3582-87, 32 gram charges. Pull swab on 30 minute pulls, 7 pulls, 1.14, 1.99, 2.28, 1.14, 0.85, 1.42 and 1.85 barrels of oil respectively, with trace of water, shut in.
- 3/17/86 Week-end fill up of 2.25 barrels of oil. Ran packer and tubing, treat 3582-87 with 2 barrels per foot of 15% N.E. acid and pull above all perforations. Pump in 250 gallons of 15% acid, swab back through tubing.
- 3/18/86 Swab through tubing, fluid 600' down with approximately 100' of oil on top, swab load back. 15 minute pulls, .57 barrels, 1.71 at 13% oil, 1.99 at 20% oil, 2.85 at 18% oil, 2.28 at 18% oil, 2.28 at 18% oil and 1.67 at 18% oil.
- 3/19/86 Fluid 1,000 down with show of oil on top. Pulled tubing and packer. Rig up 5½" swab and swab down, at 4:00 p.m. show of oil, 4:30 p.m. 1.14 barrels of oil at 40% oil, 5:00 p.m. 2.28 barrels at 32% oil.
- 3/20/86 Fluid 900' down with approximately 100' of oil, swab down. 30 minute and 1 hour pulls - 1½ to 2 barrels per hour with a trace of oil.
- 3/27/86 Fluid 1,100' down, 200' oil on top, swab dry. 30 minute pulls for four (4) hours averaged 6 barrels fluid per hour at 4½ - 5% oil = 7 barrels of oil per day and 144 barrels of water, one-half swab of 3½ barrels of oil with 72 barrels of water through 5½" casing. Production deemed non-commercial, tear down rig.