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COMPLETION REPORT

MWM #L-6
SE SE NE 24-7S-18W
Rooks County, Kansas

6-4-84
1:00 p.m.; rig up. Ran 35 joints 2 7/8" tubing with 4 3/4" bit on bottom. Moved mud pump and dug out pit and lined.

6-5-84
Ran rest of tubing, tagged plug at 3234'. Drilled plug and insert and 28' cement and guide shoe, 8' open hole, circulate clean. Swab hole, volume 56 barrels short 18 barrels. Tested 1 hour at 4.64 barrels per hour, 8% to 10% oil.

6-6-84
700' overnight fillup, 25' oil, rest load water. Service Acid treated with 250 gallons 15% mud acid at 3265'-3271', down 2½" tubing. Broke at 650#, pumped in at 10 gallons per minute, pressure dropped to 450# with 2 barrels acid left. Shut down was 300#, 15 minutes bled off to swab, approximately ½ barrel. Swab down and tested 2 hours at 6.25 barrels per hour, 75% oil. Pulled bit and tubing. Shut down 6:30 p.m.

6-7-84
Ran bailer to check fill up, had 1270' overnight. Bailed mud water off bottom (short 10 barrels of load water from acid job). Mercury Wireline ran Gamma-Collar Log. Found bottom pipe 3265', T.D. of 3271'. Ran nine 90 gram frac jets in 4' and shot at 3266'-3270'. Ran bailer check, fluid level and clean up bottom of hole. Fluid increased 400' from frac jets. Ran 1-6' mud anchor and seat nipple and 100 joints of 2 7/8" tubing set 2' off bottom. Swab down and tested through tubing, 3 hours at 10.75 barrels of oil per hour, no visible trace of water. Rig up to run rods.

6-8-84
Ran tubing, swab, check fluid level, 1700' from surface. Ran Axelson 2½"x1½"x12' pump with 2' pony and 129 new 3/4" rods.

Formation: Arbuckle, open hole
PBTD: 3271'
BOPD: 50
BWPD: 0
Disposal: C.F. Rupp #3 SWD

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MWM (L-6)

7-31-85
Pulled 129 3/4" rods and 2½"x1½"x12' pump. Pulled 100 joints 2 7/8" tubing, seat nipple and 6' mud anchor. Mud anchor full of iron sulfide and B.S.

8-1-85
Mercury Wireline perforated 7' gun, 4 shots per foot at 3258-3265'. PBTD 3273'. Ran 1 joint tubing, 5½ packer and 98 joints on top set at 3241'. Swab down and tested 1 hour ½ BOPH. Service Acid treated with 1000 gallons 15% I.N.S. with 150# plug in first 250 gallons of acid. Pumped in 6 BPM 400# plug on perfs, 5 BPM 1000#. Broke back to 750#, 6 BPM. Swab back and tested 2 hours. 1st hour 3.48 BPH, 98% oil. 2nd hour 2.92 BPH, 98% oil.

8-2-85
280' fill up overnight. Swab down and tested 2 hours 2.84 BPH, 96% oil. Retreated with 1500 gallons 15% D.F.E. hot acid with 200# plug in first 250 gallons of acid. Pumped in 5½ BPM 1000#. Broke back to 850#. Shut down 150# 10 minutes. Fluid 20' from surface. Swab back and tested 3 hours at 3.48 BPH, 96% oil, short 6 barrel load water.

8-5-85
310' fluid over weekend, all oil. Pulled 5½ packer out. Mercury perforated Kansas City zones (K-Zone 3150-3153) 6 holes, (I-Zone 3110-3113) 6 holes. Pushed 5½ bridge plug to 3160'. Swab dry. Tested ½ hour and recovered 10' muddy water with trace of oil. Service Acid treated with 750 gallons 15% mud acid. Broke at 1000#. Pumped in at 6½ BPM 500#. Shut down 100# 10 minutes vacuum. Swab back and tested 1 hour at 2.09 BPH, 8% oil, short 15 barrel of load water. Retreated with 1500 gallons 15% regular acid. Pumped in 6½ BPM 400#. Dropped 6 ball sealers after 6 barrels acid. Balls on perfs, 800# 5½ BPM, shut down 200#. Shut in overnight.

8-6-85
Fluid 400' from surface. Swab down and tested 1 hour at 2.09 BPH, 6% oil, short 45 barrel of load water. Pulled 5½ bridge plug out. Ran new mud anchor, seat nipple and 100 joints of 2 7/8" tubing. Ran 2½"x1½"x12' pump and 129 rods. Long stroke, good blow. Tore down.

Rich Williams