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21-11-22W P1



F&M Oil Co., Inc.

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STATE CORPORATION COMMISSION

SEP 10 1982

CONSERVATION DIVISION
Wichita, Kansas

COMPLETION REPORT

Page #1

1982 "A" Program

SCOTT PROSPECT-Spring Valley Ranch "C" #1

SW SE SW Section 21-11S-22W

Trego County, Kansas

State Corporation Survey
WICHITA, BRANCH

- 6-15-82 Moved in on location, spotted rig in, shut down for night.
- 6-16-82 Rig up completion unit, ran 2-3/8" tubing to drill out shoe joint (25.48'), circulate well & cleaning cement out. Pull tubing out of well, rig up casing swab, swabbed well down, no show of oil or gas, shut down for night.
- 6-17-82 Over-night tubing pressure 0#, over-night fill up 10', had slight show of oil. Electria Log rigged up & ran Correlation Log, perforated @ 4018-21', 4011-14' & 4006-09' with 2 holes per foot.
- 6-18-82 Overnight casing pressure 0#, overnight fill-up 50', all oil, .08 barrels (33.50 gallons), tested well 1 hour, recovered .24 barrels total fluid (10 gallons), 100% oil, serv acid rigged up, retreated well with 1500 gallons 15% I.N.S. with AOG 200 added, start treating @ 3/4 barrels per minute @ 500#, increased injection rate to 1 1/2 barrels per minute @ 550#, increased to 2 barrels per minute @ 600#, increased to 3 barrels per minute @ 700#, pressure dropped to 500#, increased injection rate to 3 1/2 bpm @ 550#, finish treating @ this injection rate, initial shut-in pressure 450#, 1 minute dropped to 250#, 8 minutes dropped to a vacuum, shut well in 1 hr., swabbed treatment water back & test 1st hr., recovered 30', .47 barrels total fluid (21 gallons), 100% oil, 2nd & 3rd tests - same recovery. 4th hr test-Miss-run, cups leaking, shut down for week-end.
- 6-21-82 Shut in casing pressure 0#, week-end fill up 230', all oil. Electra Log rigged up & perforated @ 3924-34', 4 holes per foot, set retrievable bridge plug @ 3975' (PBSD), swabbed well down, no fill up, Service Acid rigged up & acidized well with 1000 gals 15% mud acid, formation broke down @ 300#, injection rate 1 1/2 bbls per minute, increased injection rate to 2 bbls per minute @ 200#, increased injection rate to 3 bbls per minute @ 250#, increased injection rate to 4 bbls per minute @ 250#, increased injection rate to 6 bbls per minute @ 400#, pressure dropped to 350# @ 5 bbls per minute finish treatment, instant shut in pressure 200#, 5 minute pressure dropped, well on slight vacuum, swabbed acid water back to perforations, had good show oil, started testing well, 1/2 hr test recovered 8.35 total bbls fluid, 26% oil, 74% treatment water. 3rd hr test averaged 17 bbls per hr, 24% oil.
- 6-22-82 Over-night fill up 2600', 200' oil on top, ran acid survey, log showed treatment thruout Marmaton zone, swabbed well down & tested 3 hrs, 8 bbls per hr, 10% oil, ran salt water analysis & checked out the Marmaton formation.
- 6-23-82 Over-night fill up 2475' fluid, 150' oil on top, rig up to squeeze, ran tubing with packer, pressured up on bridge plug, pressure would not hold, pull out of hole with packer, left bridge plug in hole, tore bridge plug up coming out of hole, hung up @ 1800', trip in hole with retriever on tubing, circulate off top of bridge plug, unable to get hold of bridge plug, still could not retrieve bridge plug, pull tubing out of well & change retriever, went back into well with tubing & different retriever, could not set on plug, pull 5 stands of tubing out of well, shut down for night.
- 6-24-82 Pull tubing out of well, replace retriever with overshot, run tubing back into well, hit something 40' off bottom, plugged overshot tool, pull tubing back out of well to clean tool, run tubing back into well with packer to 1900', pumped water down back side of casing to pressure side of tubing, would not pressure up, (think FO tool has opened because of drilling mud & cuttings inside of tubing made on last trip), released packer & pulled up to 1850' & tried to pressure up back side, would not pressure up, pulled packer through FO tool - somehow FO tool, pulled tubing up to 1790', set packer, pressured on backside to 500#, pressure held, released packer, went down to 1840', set packer, pressured up to 500#, pressure held, released packer & went down to 1900', set packer, pressured up to 500#, pressure held, pulled tubing & packer out of well, changed packer & replaced with overshot, ran tubing & overshot back into well, circulate down to bridge plug, latched on to bridge plug with overshot, pulled tubing out of well, drilled bridge plug, shut down for night.

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SW-SE-SW Section 21-11S-22W
Trego County, Kansas

- 6-25-82 Swabbed well down, clean out formation, swabbed off bottom, kinked sand line, had to shut down.
- 6-28-82 Repaired sand line, over-weekend fill up 2772', 250' oil on top, swabbed well down to make sure formations are clean.
- 6-29-82 Pressured up on bridge plug, did not hold, pull packer & bridge plug, packer & bridge plug tore up, ran Halliburton packer & bridge plug, pressured up, all fluid seems to be coming from Marmaton perforations, no holes in pipe, will squeeze Marmaton formation off. squeeze well with 100 sacks common cement job complete, circulate down to plug, pulled 3 stands out & layed on bank, shut down for night.
- 6-30-82 Retrieved bridge plug, pull tubing & packer out of well, rig up casing & swabbed well down to see if squeeze job held on Marmaton, swabbed well down to squeeze job making apprximately 15 barrels total fluid per hr with trace of oil, (apparently squeeze job did not hold in Marmaton formation), electric log rigged up & ran Perm bridge plug (Titian 4½") set @ 3850', perforated @ 3583'-3601', 3636', 1 hole per shot, swabbed well down, nothing coming in natural, serv acid rigged up & acid with 5000 gallons 15% Non-E, formation broke down @ 700# @ 1½ barrels per minute, pressure dropped to 400#, increased injection rate to 5 barrels per minute, pressure increased to 1500#, treatment pressure dropped to 1200#, increased injection rate to 7½ barrels per minute @ 1600#, finish treatment @ this rate, instant shut-in pressure 100# 1" to vacuum, total fluid pumped 181 barrels, rig up casing swab & swabbed down, apprximately 45 barrels total fluid, no show of oil, shut down for night.
- 7-01-82 Overnight fill-up 1350', 900' oil on top, swabbed down to perforations & testing, 1st hr - 20 barrels total fluid, 95% oil & 5% water (treatment). Tested 3 more hrs, averaged 10 bbls per hr, all oil. Electra Log rigged up & perforated @ 3581-84', 3598-3604' & 3636-40', 2 holes per foot, ran 1-15' mud anchor, 114 joints 2-3/8" upset tubing @ 369'. Shut down for night.
- 7-02-82 Ran 1-12x2'x1½" insert pump, 1-8' gas anchor, 147 3/4" rods, hung rods on well, tore down complution unit & moved off location.
"Final Report"
- 7-23-82 Pumping into gun barrel.
- 7-30-82 Pumping approximately 113 BOPD. First sales 7/28/82