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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
LG 1543

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

| | |
|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator Cities Service Oil and Gas Corporation | 8. Farm or Lease Name State DW |
| 3. Address of Operator P.O. Box 1919 - Midland, Texas 79702 | 9. Well No. 3 |
| 4. Location of Well UNIT LETTER H 1980 FEET FROM THE North LINE AND 660 FEET FROM THE East LINE, SECTION 12 TOWNSHIP 18S RANGE 33E NMPM. | 10. Field and Pool, or Wildcat Undesignated Yates |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4098' GR | 12. County Lea |

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

| | | | |
|--|---|---|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | OTHER <input type="checkbox"/> | CASING TEST AND CEMENT JOB <input type="checkbox"/> | OTHER Well Completion Data <input checked="" type="checkbox"/> |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

T.D. 8950' Dolomite & Sand, PBTD 3400'. Well Complete. MIRU a completion unit and CO to 8928' and perforate the Bone Springs w/2 SPF @ 8579. 80, 81, 82, 83, 87, 93, 8601, 06, 16, 17, 23, 28, 33, 38, 39, 40, 41, 42, 43, 51 and 8653'. Total 44 holes (0.50" dia & 23.64" pen). RIH with tubing and packer and set a packer @ 8443'. 36 hr. SITP 80#. Swabbed -0- BO + 3 BW/1 hr. Acidized Bone Springs Perfs 8579 - 8653' w/3000 gals 15% HCL acid. Max press 4500 #, min press 2400#, ATP 3000#, AIR 4.0 BPM, ISIP 2200#, 15 min SIP 2100#. 14 hr. SIP 75#. Swabbed -0- BO + 15 BLW/1-1/2 hrs. Swabbed well dry. Reacidized Bone Springs Perfs 8579 - 8653' w/3000 gals 7-1/2% HCL acid w/additives. Swabbed -0- BO + 4 BLW and emulsion/1 h Ran tracer survey w/100 barrels of lease crude containing 165 gals Block Buster. Had 100% fluid entry @ 8579 - 8587'. Swabbed part of load oil. POOH w/tubing and packer. RIH w/5-1/2 RTTS on tubing and set RTTS @ 8507'. Squeezed Bone Springs Perfs 8579 - 8653' w/50 sacks of Class H cement w/0.5% CFR-2 + 50 sacks of Class H neat. Max press 2500#. Released RTTS and reversed out 2 sacks of cement. Got 94-1/2 sacks of cement in formation and left 3-1/2 sacks of cement in casing. Reset RTTS @ 8225' and tested casing 1000# and tubing to 2000#. Release RTTS and POOH. DO to 8785' and perforated the Bone Springs w/12 holes @ 8638 - 8644'. RIH w/tubing and RTTS and set RTTS @ 8511'. Swabbed dry. Acidized Bone Springs Perfs 8638 - 8644 w/1500 gals 15% NeFe HCL acid w/additives. Max press 2500#, min press 2400#, ATP 2400#, AIR 0.75 BPM, ISIP 2400#, 15 min SIP 2300#. Swabbed tr. oil + 1/2 BLW/1 hr. (CONTINUED ON REVERSE SIDE)

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Edmer Startz TITLE Reg. Opr. Mgr. - Prod. DATE 10-22-84

APPROVED BY _____ TITLE _____ DATE OCT 24 1984

CONDITIONS OF APPROVAL, IF ANY:

Reacidized Bone Springs 8 - 8644' w/4000 gals 15% HCL & d w/additives. Max press 5000#, min press 3750#, ATP 4750#, AIR 6.5 BPM, ISIP 2450#, 15 min SIP 2350#. Swabbed tr. Oil + 159 BLW/7 hrs. Ran tracer survey and found no fluid entry into Perfs 8638 - 8644'. Reperforated Bone Springs w/21 holes @ 8635 - 8645'. Reacidized Perfs 8635 - 8645' w/5000 gals 15% HCL acid w/additives. Max press 5050#, min press 4800#, AIR 8.5 BPM, ISIP 2450#, 15 min SIP 2320#. Swabbed -0- BO + 104 BLW/8 hrs. POOH w/tubing and RTTS. Set a CIBP @ 8550'. Perforated the Bone Springs w/10 holes @ 8405 - 8410' and w/10 holes @ 8420 - 8425'. RIH w/bailer on WL and dumped 2 sacks of cement on top of CIBP @ 8550' for a PBD of 8535'. RIH w/tubing and RTTS and set RTTS @ 8304'. Swabbed well dry. Acidized Bone Springs Perfs 8405 - 8425' w/1250 gals 7-1/2% MSR 100 acid w/additives. Max press 2400#, min press 2000#, ATP 2200#, AIR 4.5 BPM, ISIP 1825#, 15 min SIP 1800#. Swabbed tr. oil + 21 BLW/2 hrs. Fraced the Bone Springs Perfs 8405 - 8425' w/29,400 gals YF3 PSD + 31,500# 20/40 sand. Swabbed 1 BO + 61 BLW/10 hrs. POOH w/tubg. Perf. Bone Springs w/2 SPF @ 8305, 06, 07, 08, 09 and 8311'. Total 12 holes (0.50" dia & 23.6" pen). RIH w/tubing and set a RBP @ 8360'. Spotted 3 sacks of cement on top of RBP @ 8360 - 8340'. Swabbed -0- BO + 50 BLW/3 hrs. Set a RTTS @ 8311' and acidized Bone Springs Perfs 8305 - 8311' w/1250 gals 7-1/2% MSR-100 acid w/additives. Max press 2600#, min press 2000#, ATP 2200#, AIR 4.0 BPM, ISIP 1800#, 15 min SIP 1720#. Swabbed -0- BO + 30 BLW/5 hrs. Fraced Bone Springs Perfs 8305 - 8311' w/20,000 gals YF3 PSD + 25,000# 20/40 sand. Max press 4230#, min press 2960#, ATP 3600#, AIR 15 BPM, ISIP 1900#, 15 min SIP 1690#. Swabbed -0- BO + 50 BLW/8-1/2 hrs. Released RTTS and POOH. RIH w/tubing and retrieving tool and POOH w/RBP set @ 8360'. RIH and set a CIBP @ 8275' and dumped 2 sacks of cement on top of CIBP for a PBD of 8268'. Perforated the Bone Springs w/2 SPF @ 8041, 42, 44, 45, 47, 48, 49 and 8052'. Total 16 holes (0.50" dia & 23.6" pen). RIH w/tubing and RTTS and set RTTS @ 7905'. Swabbed -0- BO + 15 BLW/2 hrs. Acidized Bone Springs Perfs 8041 - 8052' w/4000 gals 15% NeFe HCL acid. Max press 4300#, min press 2000#, ATP 2600#, AIR 5.5 BPM, ISIP 1100#, 5 min SIP 950#, 10 min SIP 300#. Swabbed -0- BO + 149 BLW/4 hrs. POOH w/tubing and RTTS. Set a CIBP @ 8000' and dumped 4 sacks of cement on top of CIBP @ 8000 - 7965'. RIH w/OE'd tubing and set 25 sack cement plug @ 5953-5849'. POOH w/tubing. Perforated the San Andres w/2 SPF @ 5146, 47, 48, 49, 50, 68, 69, 5239, 40, 49, 50, 51, 59, 67, 68, 69, 81, 82, 96, 97, 98 and 5299'. Total of 44 holes (0.50" dia & 24.0" pen). RIH w/tubing and RTTS and set RTTS @ 5059'. Swabbed well dry. Acidized San Andres Perfs 5146 - 5299' w/5300 gals 15% NeFe HCL acid. Max press 1600#, min press 1300#, ATP 1400#, AIR 4 BPM, ISIP 500#, 15 min SIP 550#. Swabbed 8 BO + 12 BLW/5 hrs. Fraced San Andres Perfs 5146 - 5299' w/20,000 gals YF3PSD + 30,000# 20/40 sand. Max press 2380#, min press 2100#, ATP 2300#, AIR 15 BPM, ISIP 1020#, 15 min SIP 970#. Swabbed load and swabbed -0- BO + 71 BW/5 hrs. POOH w/tubing and RTTS. RIH w/5-1/2" RBP on tubing and set RBP @ 5059' and spotted 4 sacks of sand on top of RBP @ 5059 - 5031'. POOH w/tubing. Perforated the Yates w/2 holes @ 3626'. RIH w/tubing and RTTS and set RTTS @ 3578'. Swabbed -0- BO + 263 BW/6 hrs. POOH w/tubing and RTTS. RIH w/tubing and retainer and set retainer @ 3390'. Squeezed Yates Perfs @ 3626' w/500 sacks of Class C neat. Pulled out of retainer and reversed out 6 sacks of cement Left 40 sacks of cement in casing below retainer. Got 454 sacks of cement in the annulus between the 5-1/2" x 8-5/8" casing. POOH w/tubing. WOC 6 hrs. Ran temp. survey. TOC @ 2080'. Ran CBL and found no cement @ 3626 - 3708'. RIH w/tubing and RTTS and set RTTS @ 3453'. Press tested casing to 1000# - OK, Press tested tubing to 2600#, broke down perfs @ 3626'. Squeezed Perfs @ 3626' w/200 sacks of Class C cement w/2% CaCl₂. Got 194 sacks in the formation and left 6 sacks in the casing below RTTS. POOH w/tubing and RTTS. RIH w/tubing and rotary bit and CO to 3650'. POOH w/tubing and rotary bit. Perforated the Yates w/2 SPF @ 3585, 86, 88, 89, 90, 92, 93, 3610, 12, 13, 14, 20, 22, 24, 25 and 3626'. Total 32 holes (0.50" dia & 23" pen). RIH w/tubing and RTTS and set RTTS @ 3453'. Swabbed -0- BO + 20 BW/4 hrs. Acidized Yates Perfs 3585 - 3626' w/3000 gals 15% Ne HCL acid. Max press 2600#, min press 2300#, ATP 2500#, AIR 4 BPM, ISIP 2000#, 15 min SIP 2000#. Swabbed -0- BO + 4 BLW/1 hr. POOH w/tubing and RTTS. Perforated the Yates w/2 SPF @ 3366, 67, 68, 3459, 60, 63, 64, 65, 68, 69, 70 and 3476'. Total 24 holes (0.50" dia & 14.8" pen). RIH w/tubing, RTTS and RBP and set RBP @ 3525' and RTTS @ 3390'. Acidized Yates Perfs 3459 - 3476' w/2300 gals of 15% NeFe HCL acid. Max press 3000#, min press 2000#, ATP 2450#, AIR 4.0 BPM, ISIP 1900#, 5 min SIP 1800#, 10 min SIP 1800#. Swabbed -0- BO + 20 BLW/1 hr. Released RTTS @ 3390' and RIH and caught RBP @ 3525' and reset RBP @ 3398'. Set RTTS @ 3297'. Acidized Yates Perfs 3366 - 3368' w/1500 gals 15% NeFe HCL acid. Max press 2500#, min press 1400#, ATP 2400#, AIR 5 BPM, ISIP 2000#, 15 min SIP 1900#. Swabbed 15 BO + -0- BW/6 hrs. POOH w/tubing and RTTS. Perforated the Yates w/2 SPF @ 3342, 44, 46, 52, 54, 75, 76, 77 and 3379'. Total 18 holes (0.50" dia & 14.86" pen). RIH w/tubing and RTTS and set RTTS @ 3297'. Swabbed 6 BO + -0- BW/1 hr. Acidized Yates Perfs 3342 - 3379' w/2000 gals 7-1/2% acid. Max press 2100#, min press 1700#, ATP 2100#, AIR 4.5 BPM, ISIP 1870#. Fraced Yates Perfs 3342 - 3379' w/15,000 gals 2% KCL water +