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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.	
B-1481	

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 ☐ GAS WELL ☐ OTHER		7. Unit Agreement Name	
2. Name of Operator		8. Farm or Lease Name	
Cities Service Oil & Gas Corp.		State M	
3. Address of Operator		9. Well No.	
P.O. Box 1919 - Midland, Texas 79702		2	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER <u>L</u> : 1980 FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>36</u> TOWNSHIP <u>21S</u> RANGE <u>36E</u> NMPM.		Arrowhead Grayburg	
15. Elevation (Show whether DF, RT, GR, etc.)		12. County	
3555' GR		Lea	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☒ Repair casing leaks

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.

O.T.D. 3852' Lime, PBTD 3812'. The 5-1/2" casing leaks were repaired in the following manner:

1. MIRU a pulling unit and pull rods, BHP and tubing.
2. RIH w/5-1/2" RBP and RTTS on 2-7/8" tubing and set RBP @ 1396' and the RTTS @ 1359'. Pressured the RBP to 1000# - OK. Reset the RTTS @ 417' and pressured the 5-1/2" casing to 500# - OK. Released the RTTS @ 417' and POOH w/RTTS and tubing. Dumped 2 sacks of sand on top of the RBP set @ 1396'.
3. RIH w/5-1/2" cement retainer on 2-7/8" tubing and set the retainer @ 417' and squeezed a 5-1/2" casing leak @ 503 - 688' w/250 sacks of Class C cement w/2% CaCl₂. POO cement retainer and reversed out 5 sacks, got 235 sacks in the formation and left 10 sacks in the casing below the tool. POOH w/tubing.
4. RIH w/RB, DC's on 2-7/8" tubing and DO to 700' and fell free. Pressured 5-1/2" casing to 500# - OK. RIH to top of the sand and reversed out sand on top of the RBP set @ 1396'. POOH w/RB, DC's and tubing.
5. RIH w/retrieving tool and RTTS on 2-7/8" tubing and moved the RBP down the hole and reset the RBP @ 2393' and the RTTS @ 2362'. Tested the RBP to 700# - OK. Released the RTTS and spotted 3 sacks of sand on top of the RBP set @ 2393'. Reset the RTTS @ 1568' and pressured the 5-1/2" casing to 500# - OK. POOH w/RTTS and tubing.

(Continued on reverse side of form)

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

SIGNED Paul C. Kautz TITLE Lead Petroleum Engineer DATE 6-26-87

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE JUN 29 1987

CONDITIONS OF APPROVAL, IF ANY:

6. RIH w/5-1/2" cement retainer on 2-7/8" tubing and set retainer @ 1568'. Squeezed a 5-1/2" casing leak @ 1670 - 1701' w/1500 gals of F10-check + 300 sacks of class cement w/2% CaCl₂. P00 retainer and reversed out 5 sacks, got 282 sacks in the formation and left 13 sacks in the casing below the tool. P00H w/tubing.
7. RIH w/RB and DC's on 2-7/8" tubing and DO to 1672' and fell free. Tested the top of the RBP set @ 2393'. P00H w/RB, DC's and tubing.
8. RIH w/RB and casing scraper on 2-7/8" tubing to 1734' and P00H w/RB, scraper and tubing.
9. RIH w/retrieving tool and a RTTS on 2-7/8" tubing and moved the RBP down the hole to 3208' and set the RTTS @ 3178' and tested the RBP to 500# - OK. Released pressure and RTTS and spotted 3 sacks of sand on top of the RBP set @ 3208'. P00H and reset the RTTS @ 2392' and pressured the 5-1/2" casing to 500# - OK. Squeezed a 5-1/2" casing leak @ 2619 - 2650' w/150 sacks of class C cement w/2% CaCl₂. Left 13 sacks in the casing below the tool and 137 sacks in the formation. P00H w/RTTS and tubing.
10. RIH w/RB and DC's on 2-7/8" tubing and DO to 2635' and fell free. Tested the 5-1/2" casing to 500# - OK. RIH to top of sand and reversed out the sand to the top of the RBP set @ 3208'. P00H w/RB, DC's and tubing.
11. RIH w/retrieving tool and caught and released the RBP set @ 3208' and P00H w/RBP and tubing.
12. RIH w/RB and scraper on 2-7/8" tubing and CO to a new PBD of 3812'. P00H w/RB, scraper and tubing.
13. RIH w/RTTS on 2-7/8" tubing and set the RTTS @ 3692'. Acidized thru old Grayburg Perfs @ 3730 - 3800' w/1000 gals 15% NeFe acid. Max press 1400#, min press -0-#, ATP -0-#, AIR 2 BPM, ISIP -0-#. P00H w/RTTS and tubing
14. RIH w/tubing, rods and BHP and put well back on production.

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