

November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
HOBBS, NEW MEXICO

N. M. 001 CONS. 607
(Other Instructions)
BOX 1980

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

33240 029489-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Cities Service Oil and Gas Corporation	8. FARM OR LEASE NAME Federal AA
3. ADDRESS OF OPERATOR P.O. Box 1919 - Midland, Texas 79702	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 990' FNL & 1930' FEL	10. FIELD AND POOL, OR WILDCAT Undesignated (Queen)
11. ELEVATIONS (Show whether LP, RT, GR, etc.) 3966' GR	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9-T18S-R33E
12. COUNTY OR PARISH Lea	13. STATE New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	POH OR ALTER CASING
FRAC TREAT	MULTIPLE COMPLETE
SHOOT OR ACIDIZE	ABANDON*
REPAIR WELL	CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	REPAIRING WELL
FRAC TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDONMENT*
(Other) Well completion data	X

(NOTE: Report results of multiple completion on Well Completion or Recommendation Report and Log form.)

17. DESCRIBE WORK DONE OR COMPLETED OPERATIONS. (Specify state oil permit details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

T.D. 13,825' Shale, PBTD 4850'. Well complete. MIRU a completion unit and DO to 13,780'. Perforated the Morrow Formation w/4 SPF @ 13,669, 670, 671 and 13,672'. Total of 16 holes. RIH w/2-7/8" tubing and packer and set tubing and packer @ 13,529'. Dropped bar and broke disc. Gas to surface in 14 min. w/3 - 4' flare on 1" choke. FTP 0#. 14 hr. SITP 275#. Opened well to pit for 30 min. and died. Acidized Morrow Perfs 13,669 - 13,672' w/2000 gals 7-1/2% MSR-100 acid. Max press 7490#, min press 6820#, ATP 7200#, AIR 2.0 BPM, ISIP 6700#, 10 min SIP 6360#. Opened well to pit on 1" choke and flowed 12 BLW/1-1/2 hrs. and died. 14 hr. SITP 0#. Released packer and POOH w/tubing and packer. RIH w/tubing and RTTS and set tubing and RTTS @ 13,518'. 39 hr. SITP 600#. Bled off to pit and died in 20 min. Swabbed 14 BLW w/no show of oil or gas/2 hrs. POOH w/tubing and RTTS. Set a CIP @ 13,650'. Perforated the Morrow Formation w/2 SPF @ 13,478, 80, 82, 85, 87, 13,529, 30, 31, 34, 36, 37, 43 and 13,544'. Total of 26 holes (0.50" dia & 14.78" pen.). RIH w/tubing and packer and set packer @ 13,372'. Acidized Morrow Perfs 13,478 - 13,544' w/3000 gals 7-1/2% MSR-100 acid. Max press 7250#, min press 6790#, ATP 6300#, AIR 3.3 BPM, ISIP 6100#, 5 min SIP 5820#, 10 min SIP 5700#, 15 min SIP 5600#. Opened well to pit on 1" choke and well died immediately. 43 hr. SITP 3400#. Open well to pit on 9/64" to 1" choke and FTP decreased to 50# in 2-1/2 hrs. Tested well thru test separator and flowed no fluid + GR 94 MCFD on 9/64" choke, FTP 200#. POOH w/tubing and packer. Perforated the Morrow Formation w/2 SPF @ 13,478, 80, 81, 85, 87, 13,529, 30, 33, 34, 36, 37, 43 and 13,544'. Total 26 holes (0.46" dia & 16.13" pen.). RIH w/tubing and RTTS and set RTTS @ 13,301'. 14 hr. SITP 3000#. Bled off in 1 hr. (continued on attached page)

18. I hereby certify that the foregoing is true and correct

SIGNED Ray C. Dinning TITLE Region Petroleum Engineer DATE 4-01-85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY Al R TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY

APR 4 1985

*See Instructions on Reverse Side

CARISBAD, NEW MEXICO

Title 1, N.M. Stat., makes it a crime for any person knowingly and willfully to make to any department or agency of the United States, or to any officer, agent, or employee, statements or representations as to any matter within its jurisdiction.

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Acidized Morrow Perfs 13,478 - 13,487' and 13,529 - 13,544' w/2500 gals 7-1/2% MSR-100 acid. Max press 6900#, min press 5800#, ATP 6700#, AIR 2.5 BPM, ISIP 6300#, 15 min SIP 5200#. Opened well to pit and pressure bled off immediately. 66 hr. SITP 3200#. Blew well down to pit to 600# on 20/64" choke. RU well tester and tested well for 6 hrs. TP decreased to 50#. Stabilized last 2 hrs. @ 97 MCFD thru 1" choke, FTP 50#. POOH w/tubing and RTTS set @ 13,301'. Set a CIBP @ 13,347' and dumped 2 sacks of cement on top for a PBTD of 13,422'. Perforated the Wolfcamp Formation w/2 SPF @ 11,334 thru 11,348'. Total 30 holes (0.46" dia & 16.23" pen). RIH w/tubing and RTTS and set RTTS @ 11,244'. 14 hr. SITP 200#. Swabbed -0- BO + 22 BLW/7 hrs. Acidized Wolfcamp Perfs 11,334 thru 11,348' w/3000 gals 20% NeFe acid. Max press 6300#, min press 5200#, ATP 5600#, AIR 2.5 BPM, ISIP 4800#, 5 min, 10 min and 15 min SIP 4500#. 14 hr. SITP 600#. Opened well thru stack pack and flowed 35 BD + 5 BLW/9 hrs. thru 1" choke, FTP 80#, GR @ 78 MCFD. 14 hr. SITP 175#. Bled off to pit. Made one swab run/hr for 10 hrs. w/no fluid recovery + GR 12 MCFD on 1" choke, FTP 50 - 0#. Reacidized Wolfcamp Perfs 11,334 thru 11,348' w/5000 gals 15% retarded acid and 5000 gals 15% NeFe HCL acid. Max press 6700#, min press 5810#, ATP 6500#, AIR 6.0 BPM, ISIP 5100#, 5 min SIP 4850#, 10 min SIP 4720#, 15 min SIP 4510#. 14 hr. SITP 50#. Swabbed 2 BO + 52 BLW/10 hrs. POOH w/tubing and RTTS set @ 11,244'. Set a CIBP @ 11,300' and dumped 2 sacks of cement on top for a PETD of 11,272'. Perforated the Bone Springs w/2 SPF @ 8760, 63, 66, 71, 72, 75, 78, 80, 85, 89, 92, 95 and 8798'. Total 26 holes (0.46" dia & 16.13" pen). RIH w/tubing and RTTS and set RTTS @ 8629'. 14 hr. SITP 0#. Swabbed -0- BO + 18 BW/1-1/2 hrs. Acidized Bone Springs Perfs 8760 - 8798' w/3000 gals 15% NeFe HCL acid. Max press 4900#, min press 4000#, ATP 4100#, AIR 5.0 BPM, ISIP 3100#, 5 min SIP 2950#, 10 min SIP 2850#. 14 hr. SITP 0#. Swabbed -0- BO + 56 BLW/3 hrs. Reacidized Bone Springs Perfs 8760 - 8798' w/20,000 gals 20% CRA + 30,000 gals PUR-GEL 30. Max press 7000#, min press 6000#, ATP 6200#, AIR 16 BPM, ISIP 4000#, 15 min SIP 3380#. 14 hr. SITP 0#. Swabbed -0- BO + 5 BLW/3 hrs. POOH w/tubing and RTTS set @ 8629'. Set a CIBP @ 8700'. Perforated the Bone Springs w/2 SPF @ 8510, 12, 13, 14, 17, 20, 23, 25 and 8528'. Total 18 holes (0.46" dia & 16.13" pen). RIH w/tubing and RTTS and set RTTS @ 8412'. 14 hr. SITP 0#. Swabbed -0- BO + 49 BLW/3 hrs. Acidized Bone Springs Perfs 8510 - 8528' w/3000 gals 15% NeFe HCL acid. Max press 7000#, min press 3800#, ATP 5100#, AIR 6.2 BPM, ISIP 3800#, 5 min SIP 3500#, 10 min SIP 3400#, 15 min SIP 3400#. 14 hr. SITP 0#. Swabbed 4 BO + -0- BW/1 hr. Reacidized Bone Springs Perfs 8510 - 8528' w/30,000 gals PUR-GEL 30 + 20,000 gals 20% CRA. Max press 7200#, min press 5750#, ATP 7000#, AIR 17.5 BPM, ISIP 3400#, 5 min SIP 3400#, 10 min SIP 3340#, 15 min SIP 3290#. 38 hr. SITP 75#. Swabbed -0- BO + 13 BLW/2 hrs. POOH w/tubing and RTTS set @ 8412'. Set a CIBP @ 8470'. Perforated the Bone Springs w/2 SPF @ 8140, 42, 46, 49, 54, 56, 59, 60, 62, 67, 70, 74 and 8176'. Total 26 holes (0.49" dia & 23.40" pen.). RIH w/tubing and RTTS and set RTTS @ 8039'. Swabbed -0- BO + 46 BLW/2 hrs. Acidized Bone Springs Perfs 8140 - 8176' w/3500 gals 15% NeFe HCL acid. Max press 6800#, min press 2900#, ATP 5500#, AIR 6.0 BPM, ISIP 3400#, 5 min SIP 2950#, 10 min SIP 2700#, 15 min SIP 2400#. Swabbed -0- BO + 179 BW/8-1/2 hrs. POOH w/tubing and RTTS set @ 8039'. Set a CIBP @ 8100'. Perforated the Bone Springs w/2 SPF @ 6667, 68, 70, 72, 75, 78, 83, 88, 93, 97, 6700, 05, 10, 12, 14, 20 and 6724'. Total 34 holes (0.49" dia. & 12.6" pen.). RIH w/tubing and RTTS and set RTTS @ 6562'. 14 hr. SITP 0#. Swabbed -0- BO + 38 BLW/2 hrs. Acidized Bone Springs Perfs 6667 - 6724' w/4000 gals 15% NeFe HCL acid. Max press 3300#, min press 2250#, ATP 2800#, AIR 4.9 BPM, ISIP 1500#, 5 min SIP 1150#, 10 min SIP 1100#, 15 min SIP 1100#. Swabbed Tr. oil + 86 BLW/5 hrs. POOH w/tubing and RTTS set @ 6562'. Set a CIBP @ 6600'. RIH w/OE'd tubing and dumped a 12 sack cement plug on top of the CIBP @ 6600 - 6500'. POOH w/tubing. Perforated the Grayburg Formation w/2 SPF @ 4961, 62, 63, 64, 65, 66, 67 and 4968'. Total 16 holes. RIH w/tubing and RTTS and set RTTS @ 4870'. Swabbed -0- BO + 28 BLW/6 hrs. Acidized Grayburg Perfs 4961 - 4968' w/1500 gals 15% NeFe HCL acid. Max press 4200#, min press 2300#, ATP 2500#, AIR 3.0 BPM, ISIP 2100#, 5 min SIP 1850#, 10 min SIP 1750#, 15 min SIP 1700#. SITP 0#. Swabbed -0- BO + 4 BLW/10 hrs. POOH w/tubing and RTTS set @ 4870'.

(continued on attached Page 3)

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Set a CIBP @ 4900' and dumped 3 sacks of cement on top for a FBTD of 4850'. Perforated the Queen Formation w/4 SPF @ 4228 thru 4238'. Total 44 holes (0.46" dia. & 21.0" pen.). Ran 2-7/8" tubing and RTTS and set tubing and RTTS @ 4140'. 14 hr. SITP 40#. Swabbed 23 BO + 6 BLW/9 hrs. Acidized Queen Perfs 4228 thru 4238' w/2500 gals 15% NeFe HCL acid. Max press 3900#, min press 1800#, ATP 2100#, AIR 5.0 BPM, ISIP 1200#, on vac. in 6 min. 14 hr. SITP 50#. Swabbed 3 BO + 27 BLW/10 hrs. Fraced Queen Perfs 4228 thru 4238' w/ 20,000 gals Stra Frac II (95% KCL water & 5% diesel) + 48,000# 12/20 sand. Max press 3700#, min press 3400#, ATP 3500#, AIR 15.0 BPM, ISIP 2100#, 5 min SIP 1950#, 10 min SIP 1900#, 15 min SIP 1810#. 14 hr. SITP 200#. Flowed 5 BO + -0- BW/1 hr and died. Swabbed 83 BO + -0- BW/4 hrs. and well KO flowing. Flowed 117 BO + -0- BW/5 hrs. FTP 50#. Flowed on NMOC potential 271 BO + -0- 3W/13-1/2 hrs. thru 1" choke, Grav. 31.9°, FTP 30#, GR 30 MCFD, GOR 110. Rated 24 hr. potential 482 BO + -0- BWPD, GR 53 MCFD.

RECEIVED

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