

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
Cities Service Company

3. ADDRESS OF OPERATOR
P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 785' FNL & 2180' FWL
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Well completion data	<input type="checkbox"/>	<input 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. 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. 10,449' Lime & Shale, PBTD 8380'. Well complete, shut-in waiting on pipeline connection. MIRU pulling unit and DO to 10,066'. Perforated the Morrow w/1 SPF @ 9714-15-16-73-74-75-76-77-78-81-82-83-84-88-89-90-91-92-93 & 9994'. Total 20-0.40" entrance holes w/23.07" penetration. Ran and set 2-7/8" tubing A 9613' with a packer set @ 9604'. Dropped bar to open nipple. No GTS in 1 hr. Swabbed well dry. 14 hr. SITP 150#. Acidized Morrow Perfs 9714 - 9994' w/6000 gals 7-1/2% MS acid w/additives. Used 1000 SCF N₂/bbl. Total 197,000 SCF of N₂ used. Max press 7350#, min press 5900#, AIR 7.5 BPM, ISIP 4600#, 15 min SIP 4110#. 72 hr. SITP 2991# DW. RU to flow 4 pt. tests.

Time	GR-MCFD	Choke	FTP	BP
1 hr.	575	8/64"	2565#	500#
1 hr.	575-zero	12/64"	1490#-Zero	500-zero

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

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

Prod.

SIGNED Elmer Startz TITLE Region Opr. Mgr. - DATE March 10, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

Well died on second rate. Swabbed 8 BW/8 hrs. + ARO 40 MCFD. Pulled tubing and packer. Set a CIBP @ 9975' to blank off Lower Morrow Perfs 9988- 9994'. Dumped 4 sacks of cement on top of CIBP for a new PRTD of 9944'. Ran and set 2-7/8" tubing @ 9474' with a packer set @ 9739'. Swabbed well dry with ARO gas @ 89 MCFPD. Acidized Morrow Perfs 9714 - 9784' w/2500 gals 7-1/2% MS acid w/additives. Used 1000 SCF N₂/bbl. Total 92,000 SCF N₂. Max press 5600#, min press 5100#, AIR 5 BPM, ISIP 4800#, 15 min SIP 4400#. Swabbed 40 BLW/10 hrs. and swabbed well dry. Burns weak 2' gas flare ARO 80 MCFPD. Fraced Morrow Perfs 9714 - 9784' w/20,000 gals gelled water, 14,000# 20/40 sand & 8000 gals CO₂. Well sanded off on flush w/12,000# 20/40 sand in formation. Max press 10,000#, min press 7200#, AIR 10.5 BPM, ISIP 10,000#. Swabbed 10 BLW/10 hrs. + GRO 55 MCFPD. Pulled tubing and packer. Ran Tubing and drill collars and pushed CIBP to 10,038'. Pulled tubing and drill collars. Ran and set 2-7/8" tubing at 9890' with a packer set @ 9887'. 14 hr. SITP 10#. Swabbed 25 BLW/10 hrs. Gases after each swab run and dies. Acidized Morrow Perfs 9988 - 9994' w/2000 gals 7-1/2% MS acid w/additives. Used 1000 SCF N₂/bbl. (85,000 SCF N₂). Max press 5500#, min press 5300#, AIR 6.6 BPM, ISIP 4600#, 10 min SIP 4000#. Swabbed 14 BLW & 8 BFW/10 hrs. Gases after each swab and dies. POOH with tubing and packer. Perforated the Strawn w/2 SPF @ 8480-85-86-8546-48-49-51 & 8554'. Total 16 holes (0.50" dia & 23.2" pene). Ran and set 2-7/8" tubing @ 8373' with a packer set @ 8366'. 12 hr. SITP 15#. Swabbed 12 BW/10 hrs. & no gas. Acidized Strawn Perfs 8480-8554' w/2000 gals 7-1/2% MC w/additives. Used 1000 SCF N₂/bbl. Total 103,000 SCF of N₂. Max press 8000#, min press 5000#, AIR 9 BPM, ISIP 6000#, 15 min SIP 3390#. 12 hr. SITP 950#. Swabbed 4 BLW/6 hrs. + ARO gas 80 MCFPD. POOH with tubing and packer. Set a CIBP @ 8430' and dumped 6 sacks of cement on top for a new PRTD of 8380'. Perforated the Cisco Lime w/2 SPF @ 8181-83-85 & 8188'. Ran and set 2-7/8" tubing @ 8073' with a packer set @ 8066'. Flowed Tr. Dist + 6 BW/10 hrs. thru 10/64" choke, FTP 450# GR 420 MCFPD. Perforated additional Cisco Lime w/2 SPF @ 8123-40-51-61-63-77 & 8205'. Acidized Cisco Perfs 8123 - 8205' w/3000 gals 15% NE acid w/additives. Used 1000 SCF N₂/bbl. Total 101,000 SCF N₂. Max press 8200#, min press 4600#, AIR 10.2 BPM, ISIP 4300#, 15 min SIP 4000#. 24 hr. SITP 2347# DW. Flowed on 4 pt. tests as follows:

TIME	GR	CHOKE	FTP	BP	
1 HR.	195 MCFD	1/64"	2250#	500#	Well flowed a Tr. of Dist.
1 HR.	228 MCFD	4/64"	2127#	500#	during tests.....
1 HR.	317 MCFD	6/64"	1887#	500#	
1 HR.	456 MCFD	8/64"	1602#	500#	

CAOF Cisco Perfs 8123 - 8205' = 722 MCFPD