

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cities Service Company

AUG 4 1977

3. ADDRESS OF OPERATOR

P. O. Box 1919, Midland, Texas 79702

O.C.C.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FNL, 660' FEL of Section 3, T20S, R28E, Eddy
County, New Mexico.
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 11 miles Northeast of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660' East

16. NO. OF ACRES IN LEASE

480

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

PB 9760

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3280.5 GR

22. APPROX. DATE WORK WILL START*

August 1, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
		Same As Original Completion Record		

T.D. 11,315, P.B.T.D. 9967'. 5-1/2" casing @ 10,589'. Perf. 9845-9904

1. MIRU Pulling Unit.
2. Kill well w/2% KCl water. NU BOP.
3. Release packer. POOH w/2-7/8" tubing and packer.
4. RU Welx. Set CIBP on wireline at approximately 9800'. Dump 4 sx cement on top of bridge plug.
5. Perforate squeeze holes at 9366' and 9020'.
6. RIH w/RTTS packer on 2-7/8" tubing. Set RTTS packer at approximately 9150'. Squeeze perfs w/100 sx class H w/3/4% CFR-2 and 3 lb/sx salt.
7. Unseat RTTS packer and reset at approximately 8800'. Squeeze perforations w/100 sx class H w/3/4% CFR-2 and 3 lb/sx salt. WOC 24 hrs.
8. POOH w/RTTS packer and 2-7/8" tubing.
9. RIH w/4-5/8" bit, 5-1/2" casing scraper, DC and 2-7/8" tubing.

(Over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Region Operations Manager

DATE 7/27/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES NOV 3 - 1977
*See Instructions On Reverse Side

AUG 2 - 1977

R. L. BLEKMAN
DISTRICT ENGINEER

Posted
9-1
plug back
9-5-77

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws 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 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

10. Drill out cement plugs. Test casing to 1000#.
11. Circulate hole w/10# brine. Spot 400 gallons acetic acid 9370'-8970'.
12. POOH w/4-5/8" bit, 5-1/2" casing scraper, DC and 2-7/8" tubing.
13. RU Welex. Perforsat Wolfcamp using 1" casing gun 2 shots/ft.
14. RIH w/muleshoed tubing sub, Schlumberger Quick-Flow Nipple, Guiberson Unipacker VI, and 2-7/8" tubing. Set packer at approximately 8950'.
15. Test well.