

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-031-20793

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 6999
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Cities Service Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1919 - Midland, Texas 79702		8. FARM OR LEASE NAME Federal E
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 480'FNL & 2200'FWL At proposed prod. zone Same as above		9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles northwest of Torreon, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated Entrada
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 480'N		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA C Sec. 28-T19N-R5W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1438'E		12. COUNTY OR PARISH McKinley
16. NO. OF ACRES IN LEASE 760		13. STATE New Mexico
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
19. PROPOSED DEPTH 5180'		
20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6698' GR		22. APPROX. DATE WORK WILL START* April 15, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	200'	Circulated
8-3/4"	7"	20 & 23#	5180'	1000 sacks

It is proposed to drill this well to a T.D. of 5180' to test the Entrada formation. The blowout prevention program is as follows:

1. One set of blind rams.
2. One set of drill pipe rams.

The acreage allocated to this well is not dedicated to any gas gatherer.

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 prevention program, if any.

24. SIGNED Elmer Stutz TITLE Region Opr. Mgr. - Prod. DATE 3-23-82

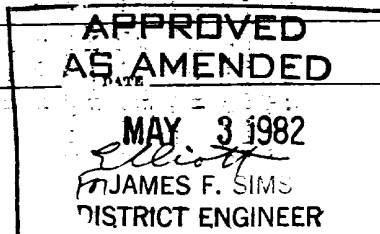
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

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*See Instructions On Reverse Side

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All distances must be from the outer boundaries of the Section.

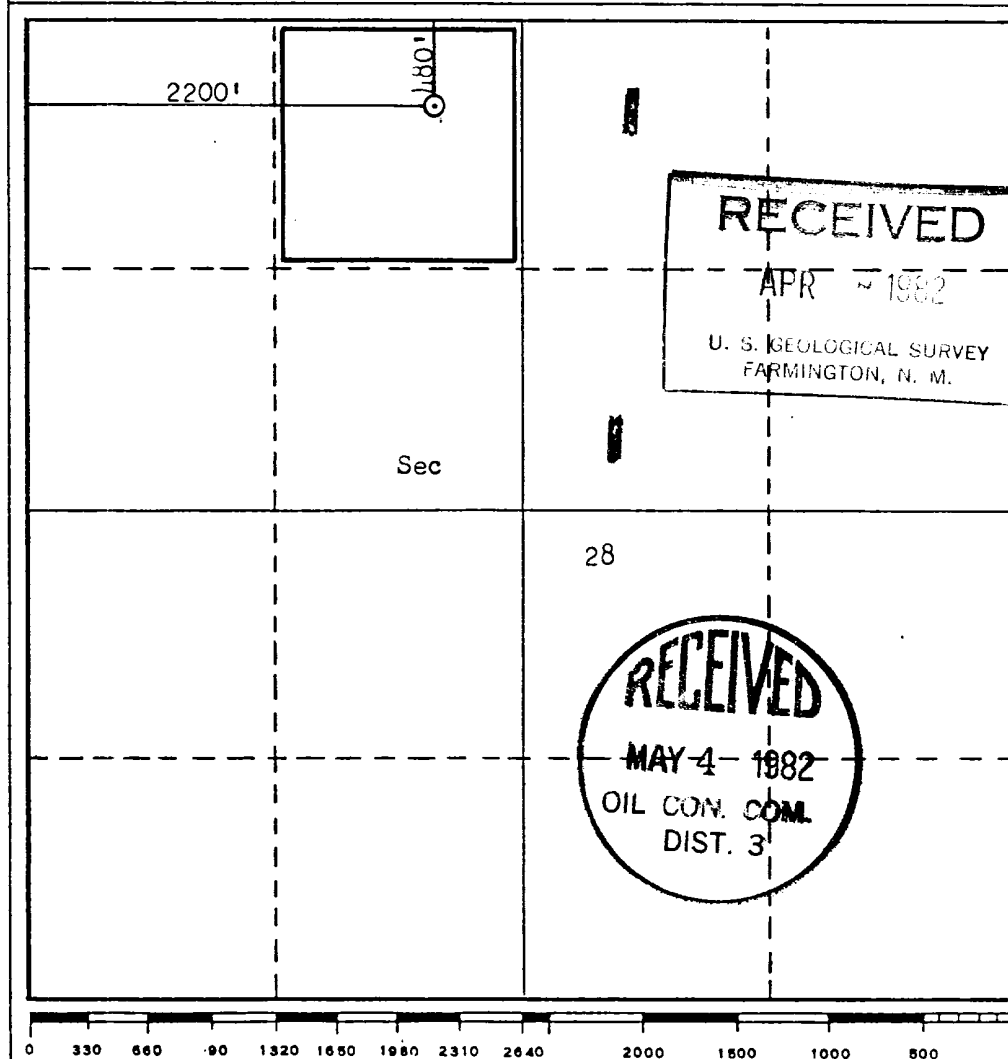
Operator Cities Service Company			Lease Federal E		Well No. 4
Unit Letter C	Section 28	Township 19N	Range 5W	County McKinley	
Actual Footage Location of Well: 480 feet from the North line and 2200 feet from the West line					
Ground Level Elev. 6698 Gr.	Producing Formation Entrada		Pool Undesignated Entrada		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



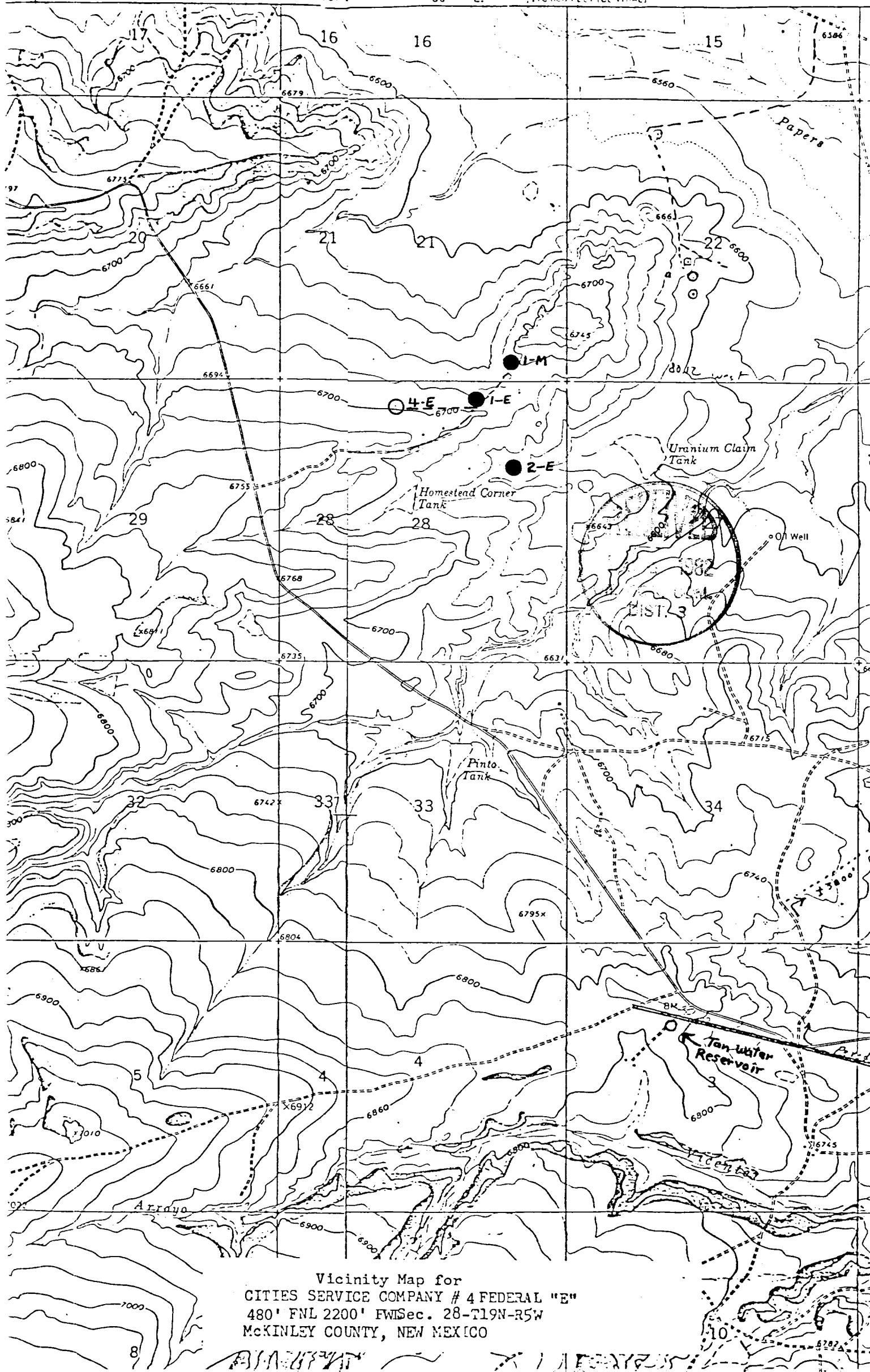
CERTIFICATION

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

Name
Elmer Startz
Position
Region Operations Mgr. - Prod.
Company
Cities Service Company
Date
March 23, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
March 6, 1982
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certificate No.
3950



Vicinity Map for
CITIES SERVICE COMPANY # 4 FEDERAL "E"
480' FNL 2200' FW Sec. 28-T19N-R5W
MCKINLEY COUNTY, NEW MEXICO