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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work		5A. Indicate Type of Lease	
		STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
Type of Well		5. State Oil & Gas Lease No.	
DRILL <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	E-2439	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	7. Unit Agreement Name	
OTHER <input type="checkbox"/>	SINGLE ZONE <input checked="" type="checkbox"/>	8. Farm or Lease Name	
Name of Operator		State CL	
Cities Service Oil & Gas Corp.		9. Well No.	
Address of Operator		5	
P.O. Box 1919 - Midland, Texas 79702		10. Field and Pool, or Wildcat	
Location of Well		Undesig, Maljamar (G-SA)	
UNIT LETTER H	LOCATED 1650	12. County	
FEET FROM THE North	LINE	Lea	
990	East		
LINE OF SEC. 2	TWP. 18S		
RGE. 33E	NMPM		
19. Proposed Depth		19A. Formation	
4900'		Grayburg	
20. Rotary or C.T.		Completion Unit	
Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
4110' GR		After permit approval	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Required/Approved		Unknown	

### PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	11-3/4"	23.8#	317'	300	Circulated
11"	8-5/8"	24 & 32#	3200'	250	2410'
7-7/8"	4-1/2"	915 & 11.6#	8900'	1650	2110'

O.T.D. 8900' Dolomite, OPBTD 8870'. It is proposed to plug off the Abo Formation and test the Grayburg Formation in the following manner:

1. MIRU a pulling unit, POOH with rods and BHP, ND WH, NU BOP, kill well if necessary and POOH w/tubing.
2. RIH w/4-1/2" CIBP on wireline and set the CIBP @ 8675'. Dump 3 sacks (20') of cement on top of the CIBP @ 8675 - 8655'.
3. RIH w/OE'd 2-7/8" tubing and circulate the hole w/mud laden fluid. POOH to 6940' and spot a 10 sack Class H cement plug @ 6940 - 6820', across the top of the Glorieta. POOH to 6300' and WOC. Circulate the hole w/2% KCL water and test the casing to 1000#. POOH w/tubing.
4. Perforate the Grayburg Formation w/2 SPF @ 4806, 07, 08, 09, 10, 11, 12, 13, 59, 60, 61, 62, 63, 64, 65 and 4866'. Total of 32 holes.
5. RIH w/RTTS on 2-7/8" tubing and set the RTTS @ 4700'. Acidize the Grayburg thru Perfs @ 4806 - 4866' w/2500 gals of 15% NeFe HCL acid. (CONTINUED ON REVERSE SIDE)

BOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signature: Daryl C. Trimmer Title: Lead Petroleum Engineer Date: 10-09-87

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY: DISTRICT 1 SUPERVISOR TITLE:  DATE: OCT 14 1987

CONDITIONS OF APPROVAL, IF ANY:

Swab test and recover load and if necessary frac the Grayburg thru Perfs @ 4806-4866' w/21,000 gals of crosslinked gelled 2% KCL water (40# syetem) + 52,100# 20/40 sand. Swab test and recover load and POOH w/tubing and RTTS.  
7. RIH w/production tubing, ND BOP, NU WH, run rods and BHP and put the well on the pump for a potential test.

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NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122  
Supersedes C-128  
Effective 1-1-65

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

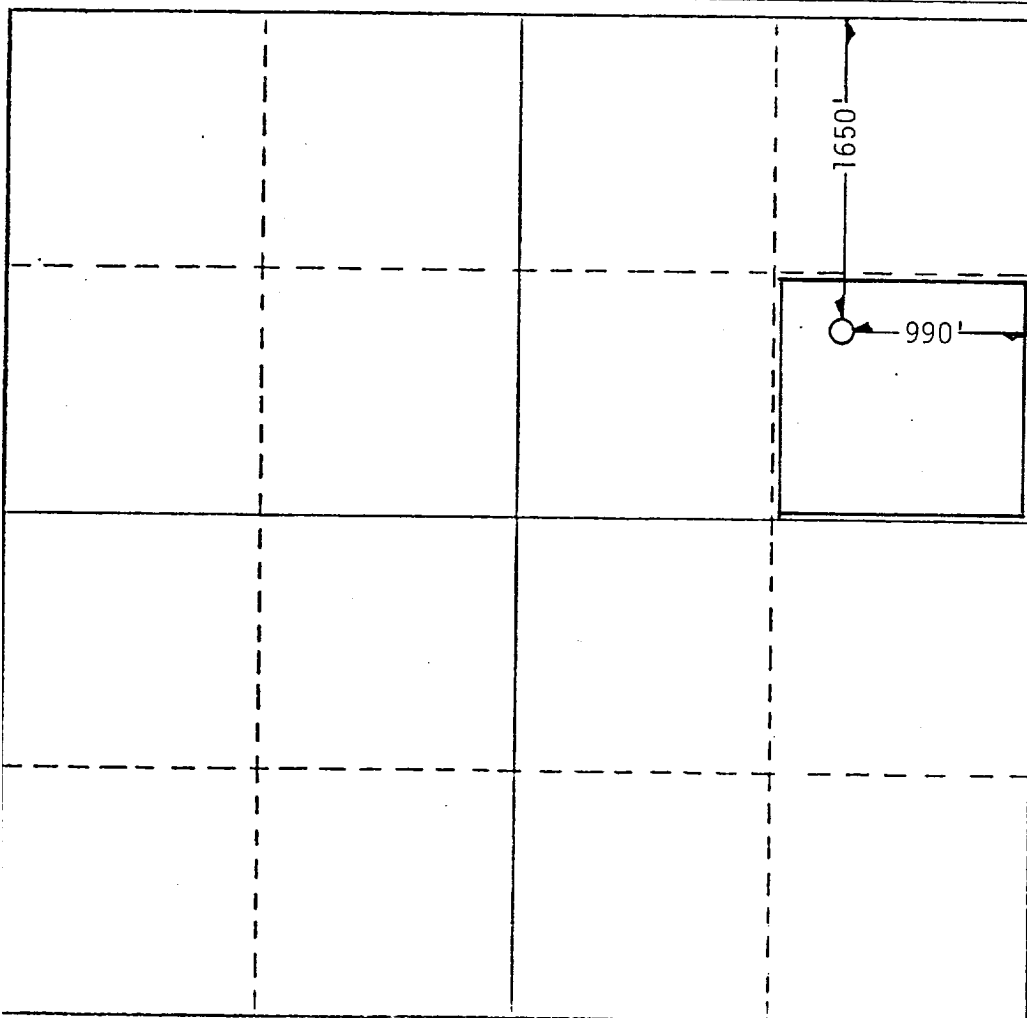
Operator <b>Cities Service Oil &amp; Gas Corp.</b>			Lease <b>State CL</b>		Well No. <b>5</b>
Unit Letter <b>H</b>	Section <b>2</b>	Township <b>18S</b>	Range <b>33E</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line					
Ground Level Elev. <b>4110'GR</b>	Producing Formation <b>Grayburg</b>		Pool <b>Undesignated Maljamar (G-SA)</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 *David C. Linn*  
Position **Lead Petroleum Engineer**  
Company **Cities Service O&G Corp.**  
Date **October 9, 1987**

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 \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor

Certificate No. \_\_\_\_\_

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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