

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form O-101
Revised 1-1-65

5A. Indicate Type of Lease	STATE ☒ FEE ☐
5. State Oil & Gas Lease No.	LG-1543

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☐ DEEPEN ☒ PLUG BACK ☐ OIL WELL ☐ GAS WELL ☐ Salt Water Disposal ☐ ☐		8. Firm or Lease Name State DW	
2. Name of Operator Cities Service Oil and Gas Corporation		9. Well No. 4	
3. Address of Operator P.O. Box 1919 - Midland, Texas 79702		10. Field and Pool, or Wildcat Undesign. San Andres	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1880</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>12</u> <u>18S</u> <u>33E</u> <u>NEPT</u>		12. County Lea	
21. Elevations (Show whether DE, RT, etc.) 4105' GR		21A. Kind & Status (Perf. Date) Required/Approved	21B. Depth (Feet) 5830' Unknown
23.		19A. Formation San Andres	20. Rotary or C.T. Completion Ut.
		22. Approx. Date Work will start After permit approval	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	350'	500 sacks	Circulated
11"	8-5/8"	24 & 32#	3275'	1500 sacks	Circulated
7-7/8"	5-1/2"	15.5 & 17#	9050'	1925 sacks	TOC @ 2700'

O.T.D. 9050' Dolomite & Chert, OPBTD 3489'. It is proposed to squeeze the Yates Perfs @ 3345 - 3385' and perforate the San Andres Formation and convert this well into a salt water disposal well in the following manner:

1. MIRU a completion unit, ND WH & NU BOP and POOH w/2-7/8" tubing.
2. RIH w/5-1/2" cement retainer on WL and set @ approx. 3250'. RIH w/2-7/8" tubing and seal assembly and stab into retainer. Pressure test 5-1/2" casing to 1000#.
3. Squeeze Yates Perfs @ 3345 - 3385' w/200 sacks of Class C neat cement. POOH w/tubing and WOC.
4. RIH w/RB, casing scraper on 2-7/8" tubing and DO cement and retainer. RIH to approx. 5830' and CHC. Pressure test Yates squeeze job and casing to 1000#. POOH and lay down 2-7/8" tubing.

(CONTINUED ON REVERSE SIDE)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSED TO DRILL, DEEPEN, OR PLUG BACK. 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.

Signed Elmer Startz

Reg. Opr. Mgr. - Prod.

Date 7-11-85

(This space for State Use)

ORIGINAL SIGNED BY ELMER STARTZ
DISTRICT SUPERVISOR

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

JUL 15 1985

JUL 1

1985

5. Perforate the San Andres w/2 SPF @ 5546 - 5570, 5584 - 5698 and 5712 - 5730'.
Total of 318 holes.
6. RIH w/Baker Lok-Set packer on 2-7/8" tubing and acidize the San Andres Perfs @ 5546 - 5730' w/15,000 gals of 15% NeFe HCL acid. SI well for 2 hrs.
7. Bleed off casing pressure and establish water injection rate.
8. HU disposal line and put well on disposal.

This proposed conversion to a salt water disposal well is being done by Order SMD-287, approved on 6-13-85, a copy of which is attached.