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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
B-2516

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Inj		SMGSAU	
2. Name of Operator CITIES SERVICE COMPANY		8. Farm or Lease Name Tract 6	
3. Address of Operator Box 1919 Midland, Texas 79702		9. Well No. 2A	
4. Location of Well UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 29 TWP. 17S RGE. 33E NMPM		10. Field and Pool, or Wildcat Maljamar (G-SA)	
11. Proposed Depth 4400'		12. County Lea	
19A. Formation Grybg. - SA		13. History or C.T. Completion Ut.	
21A. Kind & Status Plug. Bond Required/Approved		22. Approx. Date Work will start August 15, 1981	
21B. Drilling Contractor N/A		23. Elevation (Show whether DE, RL, etc.) 4046' GR	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8 1/4"	7"	22#	4060'	200	-

O.T.D. 4312' Sand. It is proposed to squeeze open hole, repair casing, sidetrack old hole and deepen, run liner and recompleate this well in the following manner:
MIRU unit. Pull tbq & pkr. Set 7" retainer at approx. 4020'. RIH w/seal assembly on 2-7/8" tbq & land retainer. Squeeze open hole w/500 sx Cl C w/high pressure squeeze (5000 psi). Reverse out excess cement. Be in bottom 5' of casing joint to accomodate whipstock. Run Vertilog (csg inspection) from retainer to surface to evaluate csg. If necessary, cement squeeze holes in csg. WOC. Drill out cement to cement retainer and test csg to 1500#. GIH w/4° permanent whipstock & set on retainer at 4020'. Begin cutting window in csg until starting mill stops. POOH. Mill out window through csg. Drill a 4° sidetrack hole to a deeper T.D. of 4400'. Run 600' of 5" OD 15# K55 ST&C csg from 3800-4400'. Hang liner at 3800' & cement w/Cl C w/0.5% CFR-2, 7# Salt & 3# Sd/sk. Drill out liner top & cement to 4395', new PBTD. RU Schlumberger. Run GR-CCL-CBL PBTD to top of liner. Perf Premier Sd intervals as determined from logs w/2 SPF. AZ w/5000 gal 15% Ne ac & RCNC ball diverters. SD for 1 hour & establish Inj. Rate. RIH w/new PL injection tbq & pkr & set at approximately 100' above perfs. Load annuls w/treated FW. ND BOP & NU WH. Tie in injection line & start injection.

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. 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 [Signature] Title Reg. Oper. Mgr. - Prod. Date June 22, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 4 DATE JUN 24 1981

CONDITIONS OF APPROVAL, IF ANY: