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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

Bur. of mines

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER **Shut In Well**

7. Unit Agreement Name
8. Farm or Lease Name
O'Brien D

2. Name of Operator
Cities Service Oil Company

9. Well No.
1

3. Address of Operator
P. O. Box 69 - Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat
Wildcat

4. Location of Well
UNIT LETTER **1** LOCATED **1980** FEET FROM THE **South** LINE AND **660** FEET FROM

12. County
Chaves

THE **East** LINE OF SEC. **13** TWP. **8S** RGE. **29E** NMPM

15. Date Spudded **1-23-67** 16. Date T.D. Reached **2-1-67** 17. Date Compl. (Ready to Prod.) **T.A.** 18. Elevations (DF, RKB, RT, GR, etc.) **4095 DF** 19. Elev. Casinghead

20. Total Depth **3400'** 21. Plug Back T.D. **3365'** 22. If Multiple Compl., How Many **0-3400'** 23. Intervals Drilled By **Rotary Tools** Cable Tools

24. Producing Interval(s), of this completion -- Top, Bottom, Name
3170'-3200' San Andres 25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run
Formation Density Log - Neutron Porosity Log - Sonic Log - Gamma Ray 27. Was Well Cored **Yes**

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	476'	11"	400 sks	
4 1/2"	9.5#	3400'	7 7/8"	300 sks	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 1/2"	3254'	

31. Perforation Record (Interval, size and number)
8 - 3/8" at 3181, 3184, 3187, 3192, 3194, 3195, 3197 and 3200'

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3181-3200	4000 gal. NE 28%
3181-3200	20,000 gal gal water and
	30,000# 20/40 sand
3181-3200	200 gal. 5% acid & surfactant

33. PRODUCTION
Date First Production Production Method (Flowing, gas lift, pumping -- Size and type pump) Well Status (Prod. or Shut-in)
Date of Test Hours Tested Choke Size Prod'n. For Test Period Oil -- Bbl. Gas -- MCF Water -- Bbl. Gas -- Oil Ratio
Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil -- Bbl. Gas -- MCF Water -- Bbl. Oil Gravity -- API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments
Logs as listed in blk. #26 and Deviation affidavit

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.
ORIGINAL SIGNED
G. D. ROBERTSON
SIGNED TITLE **District Clerk** DATE **7/14/67**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Penn. "B"	T. Penn. "C"
T. Salt	T. Strawn	T. Penn. "D"	T. Leadville
T. Yates	T. Miss	T. Madison	T. Eibert
T. 7 Rivers	T. Devonian	T. Menefee	T. Point Lookout
T. Queen	T. Silurian	T. Mancos	T. Gallup
T. Grayburg	T. Montoya	T. Greenhorn	T. Granite
T. San Andres	T. Simpson	T. McKee	T. Padlock
T. Giorieta	T. Ellenburger	T. Dakota	T. Blinberry
T. Padlock	T. Gr. Wash	T. Morrison	T. Tubb
T. Blinberry	T. Granite	T. Todillo	T. Drinkard
T. Tubb	T. Delaware Sand	T. Entrada	T. Abo
T. Drinkard	T. Bone Springs	T. Wingate	T. Wolfcamp
T. Abo	T. S.A. (A) 3150'	T. Chinle	T. Penn.
T. Wolfcamp	T. Penn.	T. Permian	T. Cisco (Bough C)

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness In Feet	Formation
0	1758	1758	Red Bed
1758	2511	753	Red Bed and Anhydrite
2511	3036	525	Anhydrite
3036	3400	364	Lime
Core #1, 3155-3208 Cut 53', Recovered 52'			
3155-3184, Anhy. Dolo., dense, N.S.			
3184-3205, Dolo., fair porosity,			
Vert & horiz frags. Poor			
to good bleeding of oil.			
Frequent dense streaks.			
3205-3207, Dolo., dense, N.S.			
3207-3208, Loss core.			
Core #2, 3208-3230, Cut 22', Recovered 22'			
3208-3227, Dolo., finely crystalline			
fractured, bleeding oil			
3227-3230, Anhydrite, No show.			
Core #3, 3230-3279, Cut 49', Recovered 45'			
3230-3242, Dolo., finely			
cryst., dense and tile			
traces of frags & P.P.			
porosity. Bleeding oil &			
wtr. 3242-3246 (2')			
3275-3279, Loss core.			
Core #4, 3279-3340, Cut 61', Recovered 59'			
3279-3329, Limestone, dense tight, very			
finely cryst., bleeding oil			
and wtr from 81-83, 90-91,			
and 14-16.			
3329-3332, Dolo., dense tight, very fine			
cryst., bleeding oil & wtr			
from 29-30.			
3332-3335, Limestone, dense tight, N.S.			
3335-3338, Dolomite, dense tight, very			
finely cryst., bleeding oil			
from porosity 35-36.			
Core #5, 3340-3365, Cut 25', Recovered 25'			
3340-3345, Dolo., scattered bleeding of			
water and oil.			
3345-51, Anhydritic dolomite, N.S.			
3351-61, Dolomite, scattered bleeding			
of water and oil.			
3361-65, Lime, scattered, bleeding of			
water and oil.			