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MAY 15 1981

O. C. D.
HOBBS, NEW MEXICO

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

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5b. State Oil & Gas Lease No.: L-5815

1a. TYPE OF WELL
b. TYPE OF COMPLETION
OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER $CO_2$ Supply
NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: State DH

2. Name of Operator: Cities Service Company

9. Well No.: 1

3. Address of Operator: P.O. Box 1919 - Midland, Texas 79702

10. Field and Pool, or Wildcat: Bravo Dome Area

4. Location of Well
UNIT LETTER G LOCATED 1650 FEET FROM THE North LINE AND 1650 FEET FROM THE East LINE OF SEC. 9 TWP. 19N RGE. 29E NMPM

12. County: Harding

| 15. Date Spudded | 16. Date T.D. Reached | 17. Date Compl. (Ready to Prod.) | 18. Elevations (DF, RKB, RT, GR, etc.) | 19. Elev. Cashinghead |
|---|---|---|---|---|
| 4-21-81 | 4-29-81 | 5-9-81 | 5366' GR | 5366' |

| 20. Total Depth | 21. Plug Back T.D. | 22. If Multiple Compl., How Many | 23. Intervals Drilled By | Rotary Tools | Cable Tools |
|---|---|---|---|---|---|
| 2932' | 2885' | | → | 0-T.D. 2932' | --- |

24. Producing Interval(s), of this completion — Top, Bottom, Name
2764 - 2772' - Tubb

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run
CNL-FDL-GR-Cal, DLL-MSFL, Deviation Survey

27. Was Well Cored:

28. 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# | 793' | 12-1/4" | 450 sacks | circulated |
| 5-1/2" | 14# | 2931' | 7-7/8" | 750 sacks | circulated |
| | | | | | |
| | | | | | |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|---|---|---|---|---|
| | | | | |
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|---|---|---|
| 2-3/8" | 2714' | 2710' |
| | | |

31. Perforation Record (Interval, size and number)
2-0.50" SPF @ 2764, 2765, 2766, 2771 & 2772'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|---|---|
| 2764 - 2772' | 1500 gals 7-1/2% HCl acid |
| | |
| | |
| | |

33. PRODUCTION

| Date First Production | Production Method (Flowing, gas lift, pumping — Size and type pump) | Well Status (Prod. or Shut-in) |
|---|---|---|
| 5-8-81 | Flowing $CO_2$ | Shut-in |

| Date of Test | Hours Tested | Choke Size | Prod'n. For Test Period → | Oil — Bbl. | Gas — MCF | Water — Bbl. | Gas — Oil Ratio |
|---|---|---|---|---|---|---|---|
| 5-9-81 | 24 hrs. | 1/4" | | | 78 | | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate → | Oil — Bbl. | Gas — MCF | Water — Bbl. | Oil Gravity — API (Corr.) |
|---|---|---|---|---|---|---|
| 100# | | | | | | |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Shut-in

Test Witnessed By: T. McBrayer

35. List of Attachments
Deviation Survey

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.

SIGNED E. Spuller TITLE Region Opr. Mgr. - Prod. DATE May 13, 1981

## 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 filed in quintuplicate except on state land, where six copies are required. See Rule 11.5.

### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico | | | | Northwestern New Mexico | | | |
|---|---|---|---|---|---|---|---|
| T. Anhy | | T. Canyon | | T. Ojo Alamo | | T. Penn. "B" | |
| T. Salt | | T. Strawn | | T. Kirtland-Fruitland | | T. Penn. "C" | |
| B. Salt | | T. Atoka | | T. Pictured Cliffs | | T. Penn. "D" | |
| T. Yates | | T. Miss | | T. Cliff House | | T. Leadville | |
| T. 7 Rivers | | T. Devonian | | T. Menefee | | T. Madison | |
| T. Queen | | T. Silurian | | T. Point Lookout | | T. Elbert | |
| T. Grayburg | | T. Montoya | | T. Mancos | | T. McCracken | |
| T. San Andres | 1940 | T. Simpson | | T. Gallup | | T. Ignacio Qtzte | |
| T. Glorieta | 2167 | T. McKee | | Base Greenhorn | | T. Granite | |
| T. Paddock | | T. Ellenburger | | T. Dakota | | T. | |
| T. Blinebry | | T. Gr. Wash | | T. Morrison | | T. | |
| T. Tubb | 2725 | T. Granite | | T. Todilto | | T. | |
| T. Drinkard | | T. Delaware Sand | | T. Entrada | | T. | |
| T. Abo | | T. Bone Springs | | T. Wingate | | T. | |
| T. Wolfcamp | | T. Santa Rosa | 1416 | T. Chinle | | T. | |
| T. Penn. | | T. Yeso | 2308 | T. Permian | | T. | |
| T Cisco (Bough C) | | T. Cimarron A | 2710 | T. Penn. "A" | | T. | |

T. Granite 2830

### OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

### FORMATION RECORD (Attach additional sheets if necessary)

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|---|---|---|---|---|---|---|---|
| 0 | 340 | 340 | Surf. Rock & Red Beds | | | | |
| 340 | 800 | 460 | Red Beds, Shale & Sand | | | | |
| 800 | 1590 | 790 | Shale & Sand | | | | |
| 1590 | 2190 | 600 | Anhy., Sand, Shale & Granite | | | | |
| 2190 | 2932 | 742 | Shale, Sand & Granite | | | | |
| | | | T.D. 2932' | | | | |