

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-105  
Revised 1-1-89

WELL API NO.  
30-025-30799

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
857948

7. Lease Name or Unit Agreement Name  
VACUUM GRAYBURG SAN ANDRES UNIT

8. Well No.  
148

9. Pool name or Wildcat  
VACUUM GRAYBURG SAN ANDRES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator  
TEXACO PRODUCING INC.

3. Address of Operator  
P. O. Box 3109, Midland, Texas 79702

4. Well Location  
Unit Letter D : 1330 Feet From The NORTH Line and 660 Feet From The WEST Line  
Section 1 Township 18-S Range 34-E NMPM LEA County

10. Date Spudded 05-14-90 11. Date T.D. Reached 05-20-90 12. Date Compl. (Ready to Prod.) 06-23-90 13. Elevations (DF & RKB, RT, GR, etc.) GR-3997, KB-4010 14. Elev. Casinghead 3997'

15. Total Depth 5000' 16. Plug Back T.D. 4728' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-5000' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 4320'-4690'; GRAYBURG-SAN ANDRES 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-CNL-ZDL-CAL 22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD         | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|--------------------------|---------------|
| 9 5/8       | 36#           | 1553'     | 12 1/4    | CL-H 1000 SX CIR. 218 SX |               |
| 7           | 26#           | 5000'     | 8 3/4     | CL-H 1050 SX CIR. 120 SX |               |
|             |               |           |           |                          |               |
|             |               |           |           |                          |               |
|             |               |           |           |                          |               |

| 24. LINER RECORD |     |        |              | 25. TUBING RECORD |       |           |
|------------------|-----|--------|--------------|-------------------|-------|-----------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE  | DEPTH SET |
|                  |     |        |              |                   | 2 7/8 | 4628'     |
|                  |     |        |              |                   |       |           |
|                  |     |        |              |                   |       |           |

26. Perforation record (interval, size, and number)  
4320-4332, 4336-4341, 4352-4356, 4360-4364, 4372-4378,  
4397-4404, 4408-4416, 4446-4460, 2 JSPF, 120 HOLES.  
4497-4510, 4524-30, 4539-46, 4592-4615, 4674-90, 2  
JSPF, 130 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
4320'-4460' ACID-5000 GALS., 15% NEFE  
4497'-4690' ACID-4900 GALS., 15% NEFE

28. PRODUCTION

Date First Production 05-30-90 Production Method (Flowing, gas lift, pumping - Size and type pump) 4 IN. SUB-PUMP Well Status (Prod. or Shut-in) PROD.

Date of Test 06-30-90 Hours Tested 24 Choke Size Prod'n For Test Period Oil - Bbl. 19 Gas - MCF 58 Water - Bbl. 468 Gas - Oil Ratio 3052.6

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) 36.8

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD Test Witnessed By KIRBY LOCKLAR

30. List Attachments  
DEVIATION SURVEY

31. 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

Signature C.P. Basham Printed Name C.P. BASHAM Title DRLG. SUPT. Date 07-17-90

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 25 through 29 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 1105.

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

### Southeastern New Mexico

T. Anhy \_\_\_\_\_ 1493'  
 T. Salt \_\_\_\_\_ 1614'  
 B. Salt \_\_\_\_\_ 2638'  
 T. Yates \_\_\_\_\_ 2820'  
 T. 7 Rivers \_\_\_\_\_ 3134'  
 T. Queen \_\_\_\_\_ 3700'  
 T. Grayburg \_\_\_\_\_ 4030'  
 T. San Andres \_\_\_\_\_ 4317'  
 T. Glorieta \_\_\_\_\_  
 T. Paddock \_\_\_\_\_  
 T. Blinbry \_\_\_\_\_  
 T. Tubb \_\_\_\_\_  
 T. Drinkard \_\_\_\_\_  
 T. Abo \_\_\_\_\_  
 T. Wolfcamp \_\_\_\_\_  
 T. Penn \_\_\_\_\_  
 T. Cisco (Bough C) \_\_\_\_\_

T. Canyon \_\_\_\_\_  
 T. Strawn \_\_\_\_\_  
 T. Atoka \_\_\_\_\_  
 T. Miss \_\_\_\_\_  
 T. Devonian \_\_\_\_\_  
 T. Silurian \_\_\_\_\_  
 T. Montoya \_\_\_\_\_  
 T. Simpson \_\_\_\_\_  
 T. McKee \_\_\_\_\_  
 T. Ellenburger \_\_\_\_\_  
 T. Gr. Wash \_\_\_\_\_  
 T. Delaware Sand \_\_\_\_\_  
 T. Bone Springs \_\_\_\_\_  
 T. \_\_\_\_\_  
 T. \_\_\_\_\_  
 T. \_\_\_\_\_

### Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_  
 T. Kirtland-Fruitland \_\_\_\_\_  
 T. Pictured Cliffs \_\_\_\_\_  
 T. Cliff House \_\_\_\_\_  
 T. Menefee \_\_\_\_\_  
 T. Point Lookout \_\_\_\_\_  
 T. Mancos \_\_\_\_\_  
 T. Gallup \_\_\_\_\_  
 Base Greenhorn \_\_\_\_\_  
 T. Dakota \_\_\_\_\_  
 T. Morrison \_\_\_\_\_  
 T. Todilto \_\_\_\_\_  
 T. Entrada \_\_\_\_\_  
 T. Wingate \_\_\_\_\_  
 T. Chinle \_\_\_\_\_  
 T. Permian \_\_\_\_\_  
 T. Penn "A" \_\_\_\_\_

T. Penn. "B" \_\_\_\_\_  
 T. Penn. "C" \_\_\_\_\_  
 T. Penn. "D" \_\_\_\_\_  
 T. Leadville \_\_\_\_\_  
 T. Madison \_\_\_\_\_  
 T. Elbert \_\_\_\_\_  
 T. McCracken \_\_\_\_\_  
 T. Ignacio Otzte \_\_\_\_\_  
 T. Granite \_\_\_\_\_  
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 T. \_\_\_\_\_

### OIL OR GAS SANDS OR ZONES

No. 1, from \_\_\_\_\_ 4320' to \_\_\_\_\_ 4690' No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, 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

### LITHOLOGY RECORD (Attach additional sheet if necessary)

| From  | To    | Thickness<br>in Feet | Lithology                              | From | To    | Thickness<br>in Feet | Lithology |
|-------|-------|----------------------|----------------------------------------|------|-------|----------------------|-----------|
| 0     | 1493' | 1493                 | REDBEDS AND SURFACE ROCK               | 4317 | 5000' | 683                  | DOLOMITE  |
| 1493  | 1614' | 121                  | ANHYDRITE                              |      |       |                      |           |
| 1614  | 2638' | 1024                 | ANHYDRITE AND SALT                     |      |       |                      |           |
| 2638  | 2820' | 182                  | ANHYDRITE AND REDBEDS                  |      |       |                      |           |
| 2820' | 3134' | 314                  | SALT, SAND, DOLOMITE,<br>AND ANHYDRITE |      |       |                      |           |
| 3134  | 4317' | 1183                 | ANHYDRITE, SANDSTONE, AND<br>DOLOMITE  |      |       |                      |           |

JUL 10 1950