

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

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL API NO.

30-025-33416

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B-2317

7. Lease Name or Unit Agreement Name

HALE, M. E.

8. Well No.

024

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

Phillips Petroleum Company

3. Address of Operator

4001 Penbrook Street, Odessa, TX 79762

4. Well Location

Unit Letter J : 1926' Feet From The SOUTH Line and 2430' Feet From The EAST Line  
SUR BHL K 1974 S 2751 E  
Section 35 Township 17-S Range 34-E NMPM LEA County

10. Date Spudded

08/05/96

11. Date T.D. Reached

08/16/96

12. Date Compl.(Ready to Prod.)

09/31/96

13. Elevations(DF & RKB, RT, GR, etc.)

4016' GL

14. Elev. Casinghead

15. Total Depth

5000'

16. Plug Back T.D.

4880'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

X

19. Producing Interval(s), of this completion - Top, Bottom, Name

4410'-4710', SAN ANDRES

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

DLL/MSFL/GR/CAL, DSN/SDL/GR/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 |
|-------------|----------------|-----------|-----------|--------------------|---------------|
| 8-5/8"      | 24#, J-55      | 1599'     | 12-1/4"   | 850 SXS CLASS "C"  |               |
| 5-1/2"      | 15.5#, J-55    | 5000'     | 7-7/8"    | 1050 SXS CLASS "C" |               |
|             |                |           |           |                    |               |
|             |                |           |           |                    |               |
|             |                |           |           |                    |               |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE   | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|--------|-----------|------------|
|      |     |        |              |        | 2-7/8" | 4600'     |            |
|      |     |        |              |        |        |           |            |
|      |     |        |              |        |        |           |            |

25. TUBING RECORD

26. Perforation record (interval, size, and number)

4410'-4438', 28'; 4442'-4468', 26';  
4592'-4606', 14'; 4616'-4626', 10'; @ 2SPF,  
4660'-4678', 18'; 4682'-4710', 28';  
4717'-4742'

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 4660'-4742'    | 1200 GALS 15% ACID            |
| 4410'-4710'    | 2500 GALS 15% ACID            |

28. PRODUCTION

|                                   |                        |  |                           |                 |                |                           |   |  |
|-----------------------------------|------------------------|--|---------------------------|-----------------|----------------|---------------------------|---|--|
| Date First Production<br>10/02/96 |                        | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>PUMPING |                           |                 |                |                           | Well Status (Prod. or Shut-in)<br>PRODUCING |  |
| Date of Test<br>10/06/96          | Hours Tested<br>24 HRS | Choke Size   | Prod'n For<br>Test Period | Oil - Bbl.<br>1 | Gas - MCF<br>0 | Water - Bbl.<br>330       | Gas - Oil Ratio                             |  |
| Flow Tubing Press.                | Casing Pressure        | Calculated 24-<br>Hour Rate  | Oil - Bbl.                | Gas - MCF       | Water - Bbl.   | Oil Gravity - API (Corr.) |   |  |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

Test Witnessed By

DON THORP

30. List Attachments

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

*Larry M. Sanders*

Printed Name

Larry M. Sanders

Title

Sr.Reg.Analyst

Date

10/7/96

# 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 NL  
T. Salt NL  
B. Salt 2805'  
T. Yates 2805'  
T. 7 Rivers 3150'  
T. Queen 3735'  
T. Grayburg 4083'  
T. San Andres 4350'  
T. Glorieta NR  
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. \_\_\_\_\_  
T. \_\_\_\_\_

### Northeastern 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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### OIL OR GAS SANDS OR ZONES

No. 1, from 4350' to 4732' 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 |
|------|------|----------------------|--------------------------|------|----|----------------------|-----------|
| 2600 | 2805 | 205                  | SALT                     |      |    |                      |           |
| 2805 | 3150 | 345                  | SAHLE SAND ANHYDRITE SAL |      |    |                      |           |
| 3150 | 3735 | 585                  | ANHYDRITE SHALE SAND     |      |    |                      |           |
| 3735 | 4083 | 348                  | SAN ANHYDRITE SHALE      |      |    |                      |           |
| 4083 | 4350 | 267                  | DOLOMITE SAND SHALE      |      |    |                      |           |
| 4350 | 4535 | 185                  | DOLOMITE                 |      |    |                      |           |
| 4535 | 4560 | 25                   | SAND                     |      |    |                      |           |
| 4560 | 5000 | 440                  | DOLOMITE                 |      |    |                      |           |

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