

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

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

WELL API NO.  
30-045-29392 24392

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
Administrative Order SWD-632

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Water Disposal (SWD) ☒

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☒ PLUG BACK ☐ DIFF RESVR ☐ OTHER New hole drilled 6985-8000'

2. Name of Operator  
Hallwood Petroleum, Inc.

3. Address of Operator  
P. O. Box 378111, Denver, CO 80237

7. Lease Name or Unit Agreement Name  
Cardon Com

8. Well No.  
1

9. Pool name or Wildcat  
SWD (Entrada)

4. Well Location  
Unit Letter A : 1120 Feet From The North Line and 1050 Feet From The East Line

Section 27 Township 32N Range 13W NMPM San Juan County

10. Date Spudded 7/13/96 11. Date T.D. Reached 7/23/96 12. Date Compl. (Ready to Prod.) 9/20/96 (to Inj.) 13. Elevations (DF & RKB, RT, GR, etc.) 5905' KB, 5897' GL 14. Elev. Casinghead 5897'

15. Total Depth 8000' 16. Plug Back T.D. 7952' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0-8000' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name  
Disposal Interval 7767' (top), 8000' (btm), Entrada

20. Was Directional Survey Made Yes (6995-8000')

21. Type Electric and Other Logs Run  
Array Induction, Density/Neutron, Cement Bond

22. Was Well Cored No

**CASING RECORD (Report all strings set in well)**

| CASING SIZE     | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD          | AMOUNT PULLED |
|-----------------|---------------|-----------|-----------|---------------------------|---------------|
| 9.625           | 36            | 295       | 12.25     | 250 sx to surface         | -0-           |
| 7.000           | 20            | 5099      | 8.75      | 950 sx to surface         | -0-           |
| 4.500           | 11.6 (N-80)   | 7998'     | 6.25      | Stage 1-425 sx            | -0-           |
| DV tool @ 4798' |               |           |           | Stage 2-375 sx to surface |               |

**LINER RECORD**

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE   | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|--------|-----------|------------|
| None |     |        |              |        | 2 3/8" | 7730'     | 7718'      |

**TUBING RECORD**

26. Perforation record (interval, size, and number)  
7780-7910', 130 feet, 90° phasing, 0.40" holes, 520 total holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
7780-7910' 3000 gal 7 1/2% acid  
57,000 gal Hybor 35# gel &  
160,000# 20/40 Ottawa Sand

**PRODUCTION**

28. Date First Production 8/30/96 Production Method (Flowing, gas lift, pumping - Size and type pump) Water Disposal Well Status (Prod. or Shut-in) Waiting on MIT test

Step rate test

Date of Test 8/30/96 Hours Tested 1 Choke Size N/A Prod'n For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

2880 BWPD

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

Test Witnessed By J. Pickett

30. List Attachments  
Logs, surveys, mud log

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 Nonya K. Durham Printed Name Nonya K. Durham Title Prod. Reporting Supervisor Date 9/18/96

## 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

## 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      | T. Simpson       | T. Gallup                    | T. Ignacio Otzte     |
| T. Glorieta        | T. McKee         | Base Greenhorn               | T. Granite           |
| T. Paddock         | T. Ellenburger   | T. Dakota 6532'              | T. Bluff 7318'       |
| T. Blinebry        | T. Gr. Wash      | T. Morrison 6813'            | T. Summerville 7616' |
| T. Tubb            | T. Delaware Sand | T. Todilto                   | T. Greenhorn 6400'   |
| T. Drinkard        | T. Bone Springs  | T. Entrada 7767'             | T. Graneros 6468'    |
| T. Abo             | T.               | T. Wingate                   | T.                   |
| T. Wolfcamp        | T.               | T. Chinle at TD, not on logs | T.                   |
| T. Penn            | T.               | T. Permian                   | T.                   |
| T. Cisco (Bough C) | T.               | T. Penn "A"                  | T.                   |

**OIL OR GAS SANDS OR ZONES** (None)

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

**IMPORTANT WATER SANDS** (None)

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 |
|------|----|----------------------|-----------|
|      |    |                      |           |

ATTACHMENT  
TO

OCD Form C-105

Cardon Com #1 SWD

8/30/96 Step Rate Test (after frac) Pumping water down 2 3/8"  
tubing at 7730'. Entrada perforations 7780-7910'.

|    | <u>Rate</u>            | <u>Pressure</u> |
|----|------------------------|-----------------|
| 1) | 2 BPM                  | 610 psig        |
| 2) | 3 BPM                  | 1100 psig       |
| 3) | 4 BPM                  | 1800 psig       |
| 4) | 5 BPM                  | 2560 psig       |
| 5) | 2 BPM                  | 700 psig        |
| 6) | ISDP = 230 psig -----> |                 |
| 7) | 5 min                  | 167 psig        |
| 8) | 10 min                 | 142 psig        |