

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

CIST  
BLM  
BOM  
SF Ltd

WELL API NO.

30-015-26538

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

V-1652

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

Harvard Petroleum Corporation

3. Address of Operator

P.O. Box 936, Roswell, New Mexico 88202

8. Well No.

20. C. D.  
H&S State

9. Pool name or Lease Agreement Name

Millman - Grayburg

4. Well Location

Unit Letter B : 330 Feet From The North Line and 1800 Feet From The East Line

Section 24 Township 19 South Range 27 East NMPM Eddy County

10. Date Spudded

11/25/90

11. Date T.D. Reached

12/13/90

12. Date Compl. (Ready to Prod.)

1/3/91

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

3511 KB

14. Elev. Casinghead

3506

15. Total Depth

1950

16. Plug Back T.D.

1900

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

1771 - 1880 Grayburg

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

SNP/LOT GR

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#           | 313       | 12 1/4"   | 200 sacks        |               |
| 5 1/2"      | 17#           | 1950      | 7 7/8"    | 275 sacks        |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |
|             |               |           |           |                  |               |

24. LINER RECORD

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

25. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|------|-----------|------------|
|      |           |            |
|      |           |            |

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

1771 - 1880, 52", 25 holes

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

1771 - 1880 3000 Gals 15% NeFe

28. PRODUCTION

|                                   |                                                                                 |                         |                        |                   |                   |                                           |                        |
|-----------------------------------|---------------------------------------------------------------------------------|-------------------------|------------------------|-------------------|-------------------|-------------------------------------------|------------------------|
| Date First Production<br>12/29/90 | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Swabbing |                         |                        |                   |                   | Well Status (Prod. or Shut-in)<br>Shut-in |                        |
| Date of Test<br>12/29/90          | Hours Tested<br>6                                                               | Choke Size<br>2" open   | Prod'n For Test Period | Oil - Bbl.<br>4.5 | Gas - MCF<br>TSTM | Water - Bbl.<br>2                         | Gas - Oil Ratio<br>N/A |
| Flow Tubing Press.<br>-0-         | Casing Pressure<br>25                                                           | Calculated 24-Hour Rate | Oil - Bbl.<br>18       | Gas - MCF<br>TSTM | Water - Bbl.<br>8 | Oil Gravity - API - (Corr.)<br>34         |                        |

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

Vented

Test Witnessed By

Tony Karr

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

Printed Name

JEFF HARVARD

Title

V.P.

Date 1/7/91

# 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 _____ 100 _____      | 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 _____ 1135 _____ | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen _____ 1360 _____    | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____ 1680 _____ | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| _____ andres _____           | T. Simpson _____       | T. Gallup _____             | T. Ignacio Otzte _____ |
| _____ ta _____               | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| _____ rock _____             | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinebry _____            | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____                | T. Delaware Sand _____ | T. Todilto _____            | T. _____               |
| T. Drinkard _____            | T. Bone Springs _____  | T. Entrada _____            | T. _____               |
| T. Abo _____                 | T. _____               | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____            | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn _____                | T. _____               | T. Permain _____            | T. _____               |
| T. Cisco (Bough C) _____     | T. _____               | T. Penn "A" _____           | T. _____               |

**OIL OR GAS SANDS OR ZONES**

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, 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    | 100  |                      | Caliche               |      |    |                      |           |
| 100  | 500  |                      | Anhy                  |      |    |                      |           |
| 500  | 650  |                      | Anhy dolo             |      |    |                      |           |
| 650  | 1680 |                      | Anhy dolo & Sandstone |      |    |                      |           |
| 1680 | 1950 |                      | Dolo & Sandstone      |      |    |                      |           |

WELL NAME                      H & S State No. 2

LOCATION 330' FNL & 1800' FEL, Section 24, T19S, R27E, Eddy County, N. M.

OPERATOR Harvard Petroleum Corporation

DRILLING CONTRACTOR Barbee Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

| <u>Degrees @ Depth</u>      | <u>Degrees @ Depth</u>      | <u>Degrees @ Depth</u>      |
|-----------------------------|-----------------------------|-----------------------------|
| <u>1/4° 330'</u>            | <u>                    </u> | <u>                    </u> |
| <u>1/2° 800'</u>            | <u>                    </u> | <u>                    </u> |
| <u>1/2° 1290'</u>           | <u>                    </u> | <u>                    </u> |
| <u>3/4° 1680'</u>           | <u>                    </u> | <u>                    </u> |
| <u>1/2° 1950'</u>           | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                    </u> | <u>                    </u> |

Drilling Contractor Barbee Drilling, Inc.

By: *Rena CK*

Title: Vice President

Subscribed and sworn to before me this 4<sup>th</sup> day of January, 1991.

*Karina Tankersley*  
Notary Public

My Commission Expires: 9-25-91 Chaves N.M.  
County State