

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

|                                                                                                               |                           |                        |
|---------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|
| Operator Name and Address:<br>Harvard Petroleum Corporation<br>P.O. Box 936<br>Roswell, New Mexico 88202-0936 |                           | OGRID Number<br>010155 |
| Property Code<br>24694                                                                                        | Property Name<br>Williams | Well No.<br>1          |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County    |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|-----------|
| N             | 5       | 8S       | 37E   |         | 660           | South            | 1650          | West           | Roosevelt |

Proposed Bottom Hole Location If Different From Surface

| UL or lot no.                                        | Section | Township | Range | Lot Ida | Feet from the   | North/South line | Feet from the | East/West line | County |
|------------------------------------------------------|---------|----------|-------|---------|-----------------|------------------|---------------|----------------|--------|
| Proposed Pool 1<br>Bluitt-San Andres Assoc. Gas Pool |         |          |       |         | Proposed Pool 2 |                  |               |                |        |

|                     |                        |                         |                       |                                |
|---------------------|------------------------|-------------------------|-----------------------|--------------------------------|
| Work Type Code<br>N | Well Type Code<br>G    | Cable/Rotary<br>R       | Lease Type Code<br>P  | Ground Level Elevation<br>4058 |
| Multiples<br>No     | Proposed Depth<br>4650 | Formation<br>San Andres | Constructor<br>Norton | Spud Date<br>6/20/99           |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 12 1/4"   | 8 5/8"      | 48#                | 350           | 224 sx "C"      | Surf          |
| 7 7/8"    | 4 1/2"      | 10.5#              | 4600          | 787 sx "C"      | Surf          |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

RU Norton Rig 5  
Drill 12 1/4" hole to 350'  
Run 350' 8 5/8" 48# casing, cmt w/ 224 sx "C", WOC  
NU and test Shaffer Type E 11", 3000 psi double ram BOP w/ 3000 psi annular preventer  
Drill to 4600' to test the San Andres  
Run 4600' 4 1/2" 10.5# J55 csg, cmt w/ 664 sx "C" lead and 123 sx Super C modified tail  
Run thru csg GR/CNL log  
Completion procedure to be determined

Permit Expires 1 Year From Approval Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Jeff Harvard

Title:

Vice President

Date:

June 16, 1999

Phone:

505-623-1531

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐