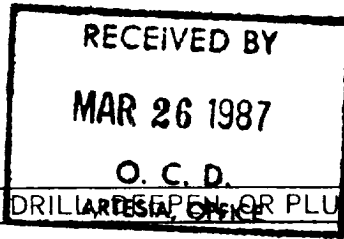


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NEW MEXICO OIL CONSERVATION COMMISSION



Form C-101

30-005-62470

5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
5. State Oil & Gas Lease No.  
LG-5564

APPLICATION FOR PERMIT TO DRILL, REPAIR, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Harvard Petroleum Corp.		8. Farm or Lease Name QUESO STATE
3. Address of Operator P.O. Box 936, Roswell, New Mexico 88201		9. Well No. # 4
4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>5S</u> RGE. <u>22E</u> NMPM		10. Field and Pool, or Wildcat Undesignated West Pecos Abo Slope
11. Elevations (show whether DF, KI, etc.) GL 4100		12. County Chaves
21A. Kind & Status Plug. bond Blanket v	19. Proposed Depth 4500'	19A. Formation Abo
21B. Drilling Contractor Rio Grande Drilling	20. Rotary or C.T. Rotary	22. Approx. Date Work will start April 1, 1987

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/2	8-5/8	24#	900'	850sx	surface
7-7/8	4 1/2	10.5#	4500'	1550sx 1575	

Mud Program- Fresh water to 900'. Gelled water to T.D.  
BOP installed on 8-5/8" casing

Revised 10-1-87  
N. J. O. P.  
A-3-7-1

APPROVED FOR 180 DAYS  
9-27-87  
DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-  
TIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Vice President Operations Date 3/26/87

(This space for State Use)

Original Signed By  
Mike Williams  
Oil & Gas Inspector

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAR 27 1987

CONDITIONS OF APPROVAL, IF ANY:

All distances must be from the outer boundaries of the Section.

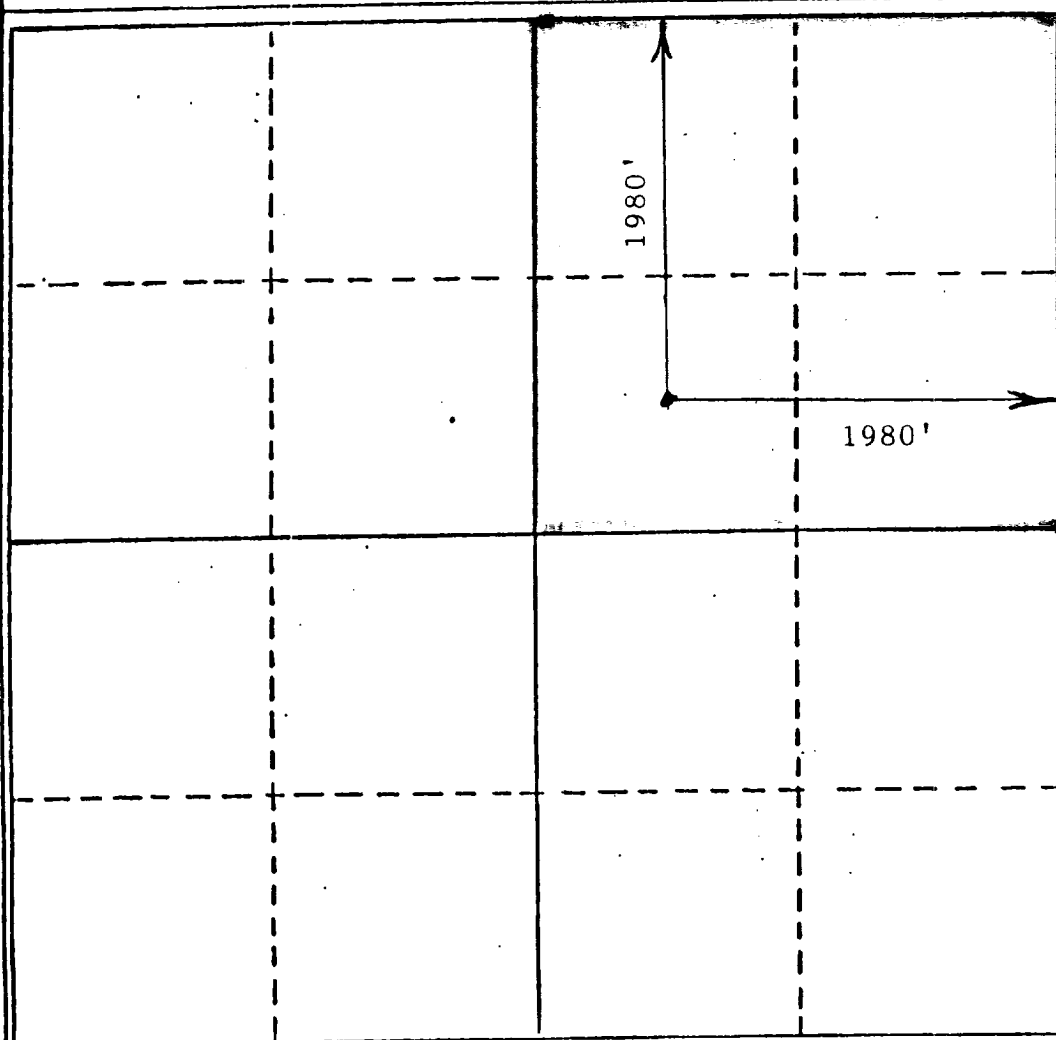
Operator <b>HARVARD PETROLEUM CORP.</b>			Lease <b>QUESO STATE</b>		Well No. <b>#4</b>
Unit Letter <b>G</b>	Section <b>34</b>	Township <b>5 SOUTH</b>	Range <b>22 EAST</b>	County <b>CHAVES</b>	
Actual Postage Location of Well: <b>1980</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>4100</b>	Producing Formation <b>Abo</b>		Pool <b>Und W. Acres Slur 1160</b>		Dedicated Acreage <b>160</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



**CERTIFICATION**

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

*Sony Kar*

Name

Consultant  
Position

Harvard Petroleum Corp.

Company

March 26, 1987

Date

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

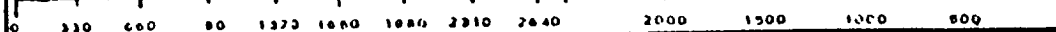
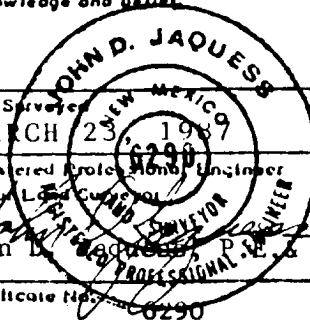
Date Surveyed

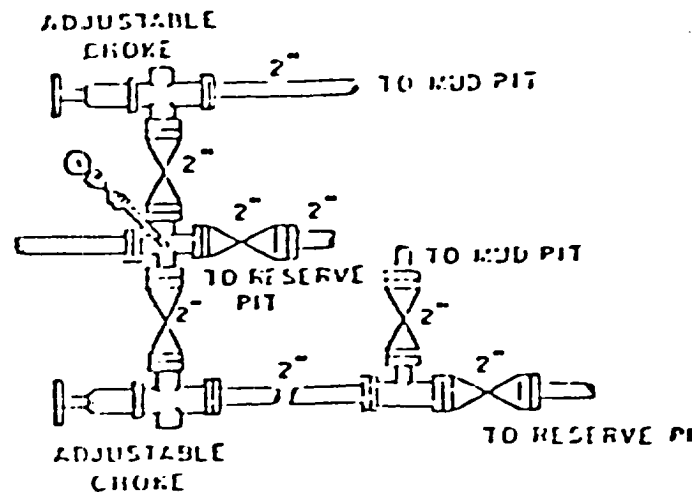
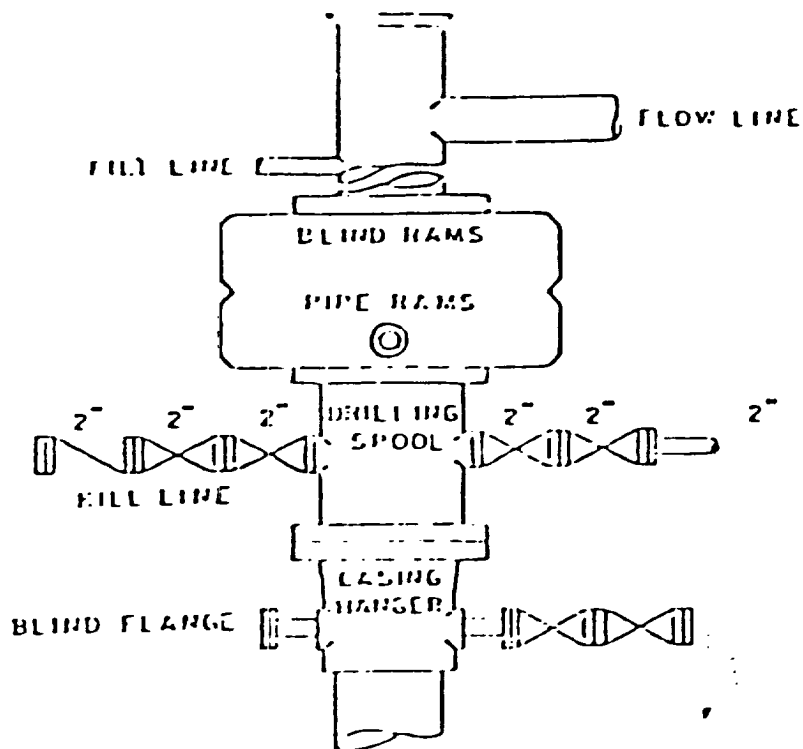
MARCH 23, 1987

Registered Professional Engineer  
and/or Licensed Surveyor

John D. Jaquess, P.E. & L.S.

Certificate No. 6290





# ROP DIAGRAM

3000# Working Pressure  
Rams Operated Daily

UNIT 11