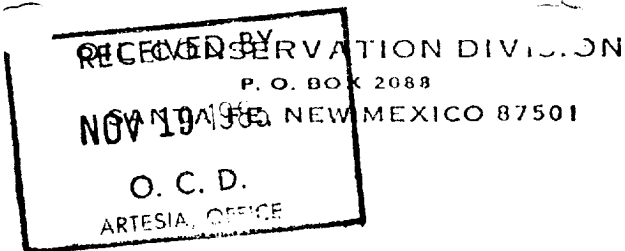


STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

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LAND OFFICE	✓
OPERATOR	✓



Form C-101 30-015-25483
Revised 10-1-78

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> REC <input type="checkbox"/>
5. State Oil & Gas Lease No. LG-2676
7. Unit Agreement Name
8. Form or Lease Name Barbie State
9. Well No. #4
10. Field and Pool or Wildcat Artesia, O, GB, SA
17. County Eddy

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☐ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

Name of Operator

Harvard Petroleum Corporation ✓

Address of Operator

P.O. Box 936, Roswell, New Mexico 88201

Location of Well

UNIT LETTER D LOCATED 990' FEET FROM THE North LINE

990' FEET FROM THE West LINE OF SEC. 13 TWP. 19S RGE. 27E NADPM

18. Proposed Depth 2000'	19A. Formation Grayburg	20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Blanket Bond	21B. Drilling Contractor Salazar Brothers Drilling	22. Approx. Date Work will start 3/15/86

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#	310'	200	
7 7/8"	5 1/2"	15.50#	2000'	250	

PROPOSE TO DRILL 12 1/2" HOLE TO 310'
RUN 310' 8 5/8" 24# CASING
CEMENT WITH 200 SKS CLASS "C" WITH 2% CALCL
CIRC CEMENT TO PIT
NIPPLE UP AND PRESSURE TEST BOP TO 1000# FOR 30 MINUTES
DRILL 7 7/8" HOLE TO 2000'
RUN 2000' OF 5 1/2" 15.50# CASING
CEMENT WITH 100 SKS CLASS "C" WITH 2% CALCL AND 150 SKS HALLIBURTON LITE
CIRC CEMENT TO PIT
COMPLETION TO BE DETERMINED

Posted IDI,
API, NL
11-22-85

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 6-21-86
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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.

Bill J. M. [Signature] Title LAND MANAGER Date 11/18/85

(This space for State Use)

Original Signed By
Mike Williams
Oil & Gas Inspector

APPROVED BY

DATE NOV 21 1985

CONDITIONS OF APPROVAL, IF ANY:

Notify U.M.O.C.C. in sufficient time to witness

8 5/8"

RECEIVED BY

NOV 19 1985

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLATForm C-102
Supersedes C-128
Effective 1-1-65

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

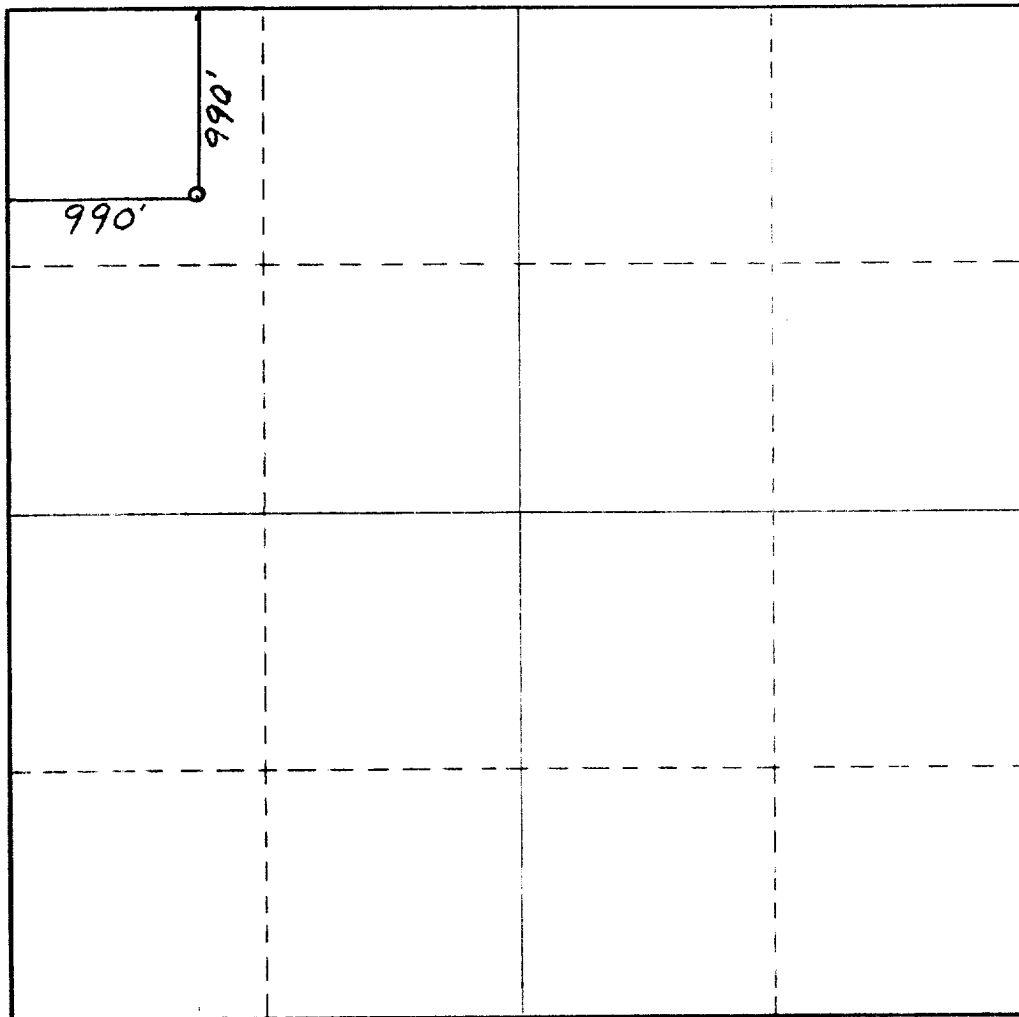
Operator HARVARD PETROLEUM CORPORATION		Lease Barbie State		Well No. 4
Unit Letter D	Township 13	Range 19 South	County 27 East	Eddy
Actual Footage Location of Well: 990 feet from the North line and 990 feet from the West line				
Ground Level Elev. 3458.	Producing Formation Grayburg	Pool Und. W. Millmore Sh. by Artesia, Q, GB, SA	Dedicated Acreage: 40 Acres	

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



CERTIFICATION

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

Janet L. Adams

Name

Janet L. Adams

Position

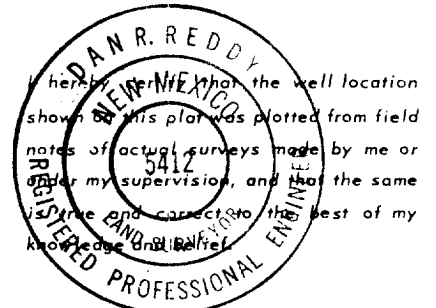
Agent

Company

Harvard Petroleum

Date

November 18, 1985



Date Surveyed

November 18, 1985

Registered Professional Engineer
and/or Land Surveyor*Dan R. Reddy*

Certificate No.

NM PE&LS NO. 5412