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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
LH-880

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐		8. Farm or Lease Name <i>State</i>	
c. Name of Operator Harvard Petroleum Corporation		9. Well No. #1	
3. Address of Operator P. O. 936, Roswell, NM 88201		10. Field and Pool, or Wildcat Bagley Penn, North	
1. Location of Well UNIT LETTER <u>B</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE		12. County Lea	
2. Name of Operator 1980 FEET FROM THE <u>East</u> LINE OF SEC. <u>27</u> TWP. <u>11S</u> RGE. <u>33E</u> NMPM		19. Proposed Depth 10,500'	
19. Proposed Depth 10,500'		19A. Formation Penn	
20. Rotary or C.T. Rotary		21. Drilling Contractor Kenai Drilling	
22. Approx. Date Work will start 11-29-82		23. Elevations (Show whether DF, KT, etc.) 4253 G.L.	
21A. Kind & Status Plug. Bond Blanket on file		21B. Drilling Contractor Kenai Drilling	
22. Approx. Date Work will start 11-29-82		23. Elevations (Show whether DF, KT, etc.) 4253 G.L.	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	400'	475	Circulate
11"	8 5/8"	24 & 32#	4,000'	1550	Circulate
7 7/8"	5 1/2"	17#	10,500'	1000	5000'

We propose to drill and test the Penn and Intermediate formations. Approximately 400' of surface casing will be set to protect freshwater sands with cement circulated. Intermediate casing will be set at approximately 4000' with cement circulated. If commercial pay is encountered, we will run 5 1/2" casing, with a minimum of 600' of cement above the upper potential producing zone, perforate and stimulate as needed for production.

Mud Program: Spud mud to 400'
400' to 4000' Fresh water mud
4,000' to 10,500' Brine w/ salt water gel

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 5/9/83
UNLESS DRILLING UNDERWAY

BOP Program: 11" 3000psi WP Shaffer annular BOP, 11" 3000psi WP Shaffer type "LWS". Hydraulic operated double BOP.

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.

Signed R. C. M. Vey Jr. Title V.P. - Engineering & Operations Date 11-5-82

(This space for State Use)

PROVED BY ORIGINAL SIGNED BY TITLE JERRY SEXTON DATE NOV 9 1982
CONDITIONS OF APPROVAL, DISTRICT 1 SUPR.

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

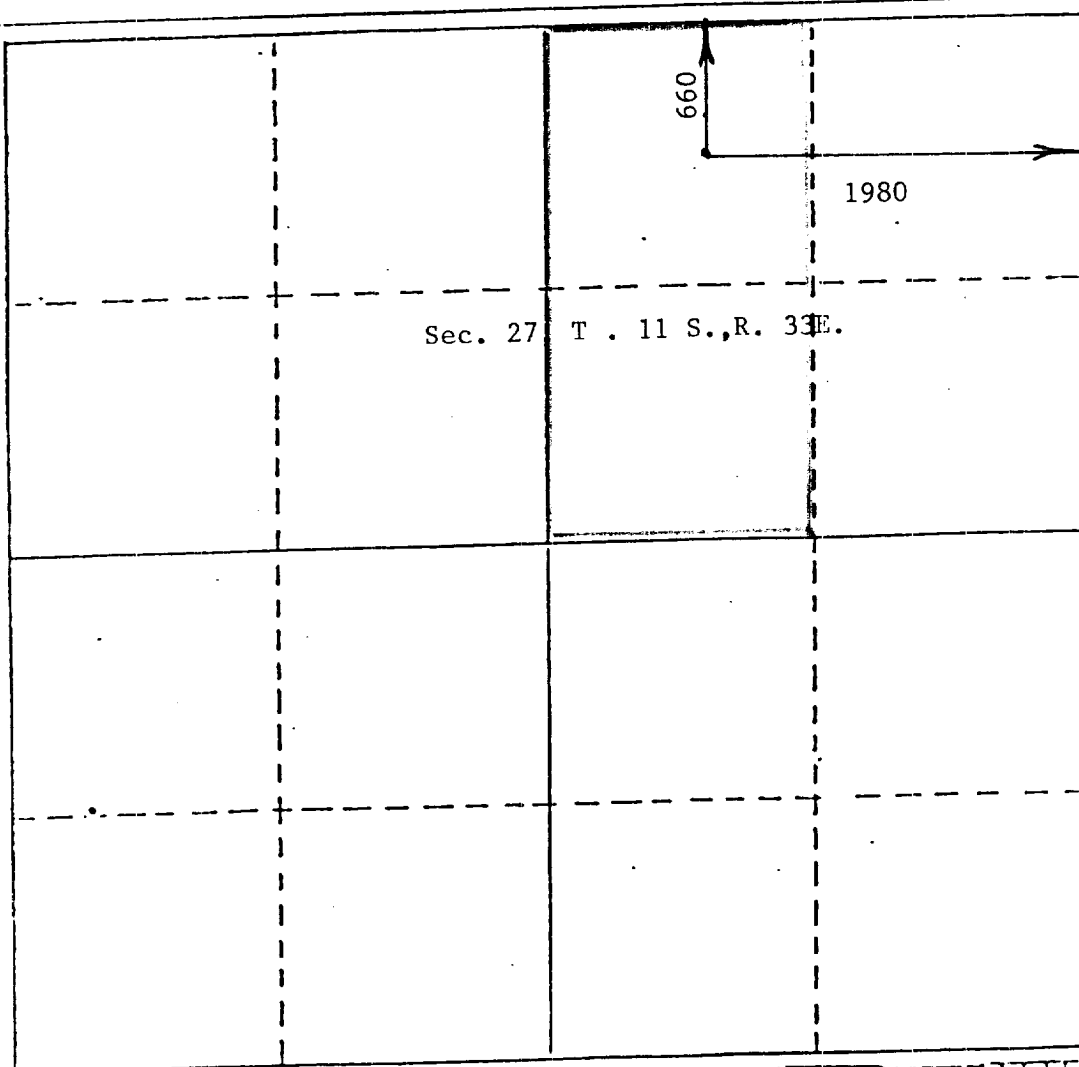
Operator Harvard Petroleum Corporation			Lease State ST O & G #111 880		Well No. #1
Unit Letter B	Section 27	Township 11 South	Range 33 East	County Lea	
Actual Postage Location of Well:					
660 feet from the North line and		1980 feet from the East line			
Ground Level Elev. 4253	Producing Formation Pennsylvanian		Pool Bagley Penn, North		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.



CERTIFICATION

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

R. E. McVey, Jr.
Name

R. E. McVey, Jr.
Position

VP Engineering & Operations
Company

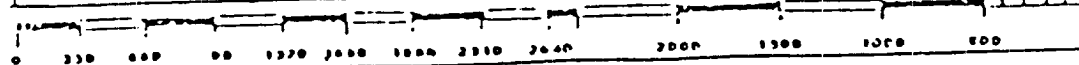
Harvard Petroleum Corp.

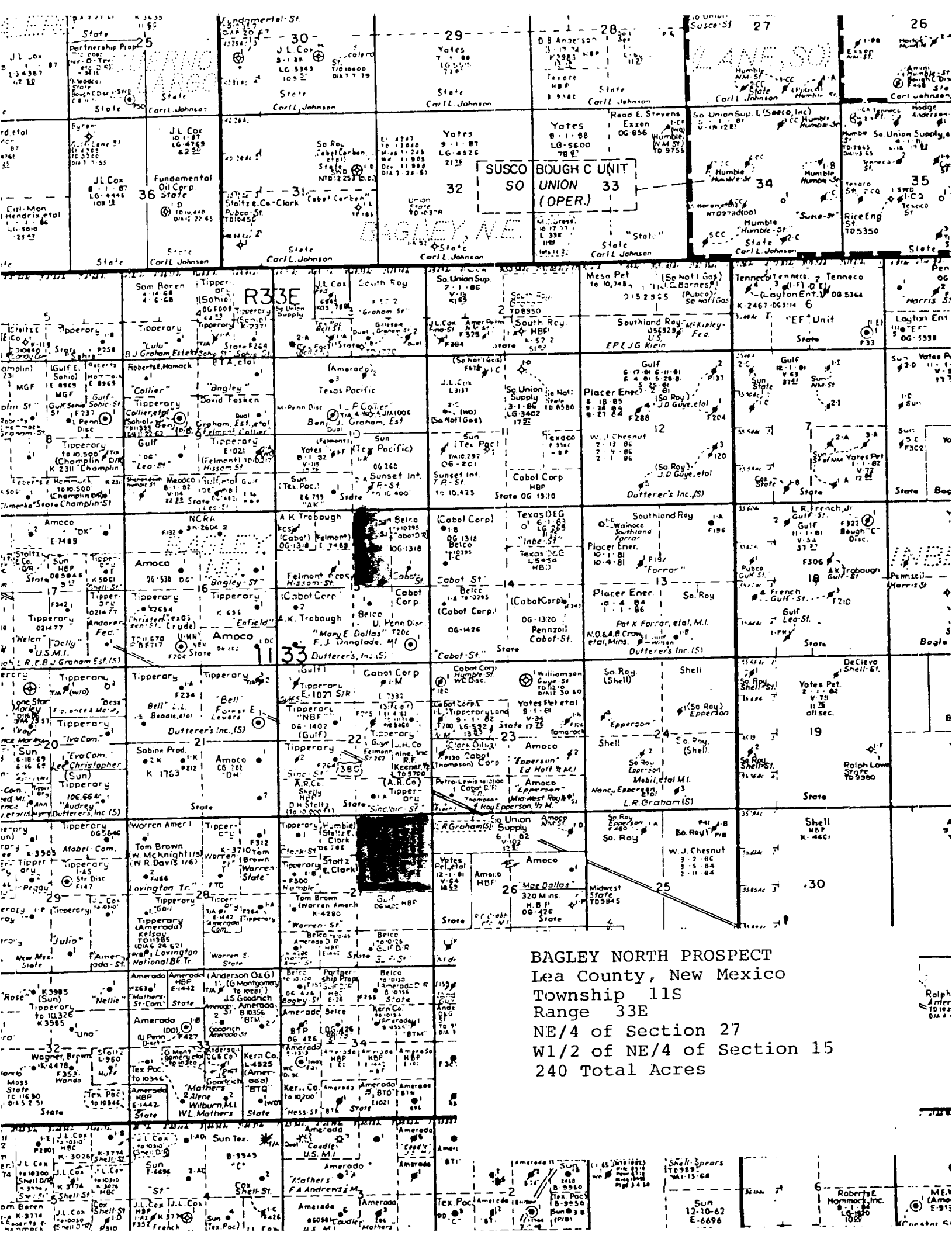
Date
11-5-82

I hereby certify that the well location shown on this plat 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.

John D. Jaques
Date Surveyed
6-5-1982

6290
Registered Professional Engineer
and a Certified Surveyor
John D. Jaques, P.E. & L.S.
Certificate No.
6290





BAGLEY NORTH PROSPECT
Lea County, New Mexico
Township 11S
Range 33E
NE/4 of Section 27
W1/2 of NE/4 of Section 15
240 Total Acres

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C. C. D.
RECORDS OFFICE

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