

c/s

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APPLICATION

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

OFFICE DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Harvey E. Yates Company

3. ADDRESS OF OPERATOR

P. O. Box 1933, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2130' FSL & 660' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

7 miles southwest of Maljamar, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1980'

16. NO. OF ACRES IN LEASE

880.14

19. PROPOSED DEPTH

8830'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3737.9 GL

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	400'	circ.
11	8 5/8	24	2125'	circ.
7 7/8	5 1/2	17	8830'	Sufficient to cover 600' above pay zone.

Mud Program:

0-400'

Spud mud

400-2125'

Brine

2125-TD

Fresh water

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

A. M. Young

N. M. Young

TITLE Drilling Superintendent

DATE 8/21/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

**N. MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

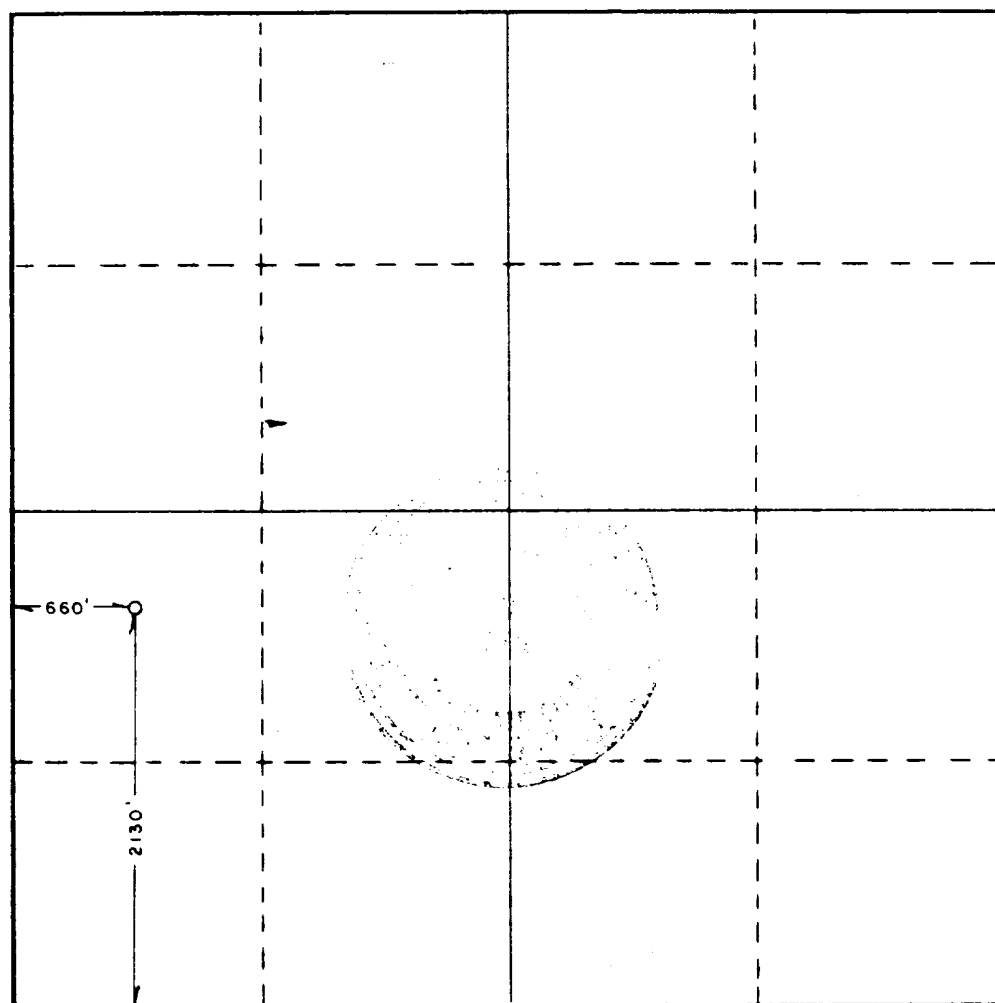
Operator HARVEY E. YATES CO.		Lease MESQUITE FED. 3		Well No. 2
Unit Letter L	Section 3	Township 18 SOUTH	Range 31 EAST	County EDDY
Actual Footage Location of Well: 2130 feet from the SOUTH line and 660 feet from the WEST line				
Ground Level Elev. 3737.9'	Producing Formation Permian	Pool Permian	Dedicated Acreage: 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.

Name

N. M. Young

Position

Drilling Superintendent

Company

Harvey E. Yates Company

Date

September 9, 1985

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.

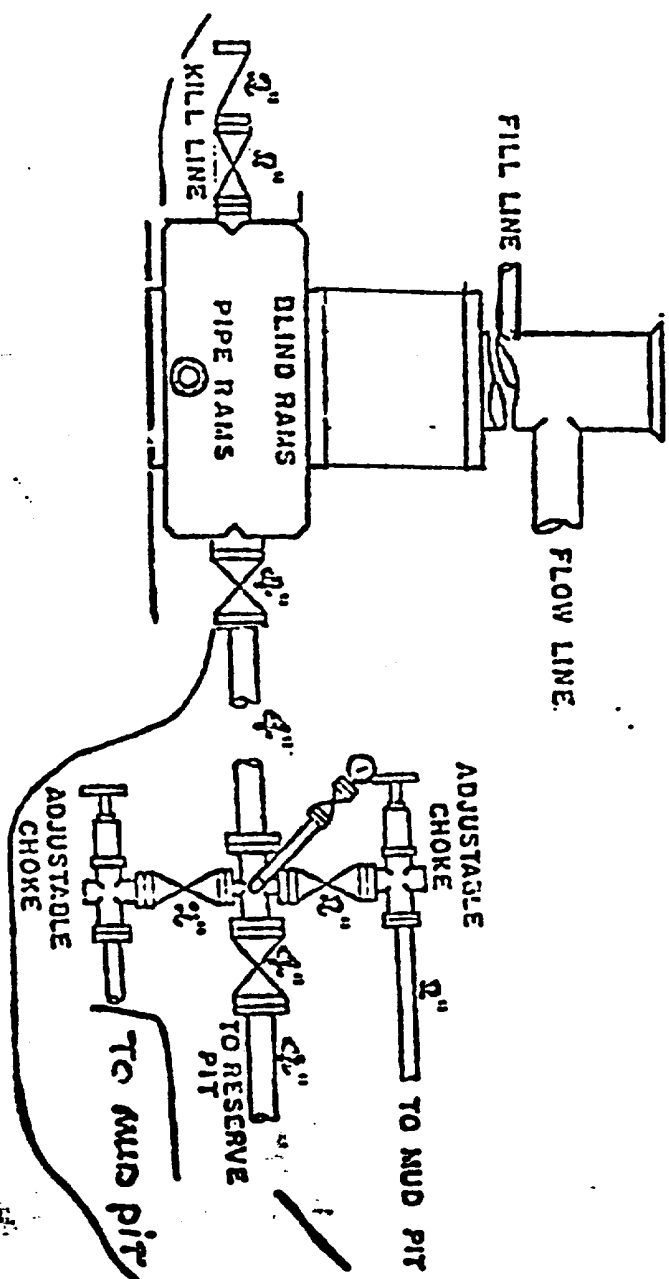
Date Surveyed

AUGUST 23, 1985

Registered Professional Engineer
and/or Land Surveyor

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

EXHIBIT C
 Harvey E. Yates Company
 Mesquite 3 Federal #2
 Eddy County, New Mexico



900 Series

APPLICATION

HARVEY E. YATES COMPANY
MESQUITE 3 FEDERAL #2
Sec. 3, T-18S, R-31E
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill the subject well in Section 3, Township 18 South, Range 31 East, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Bureau of Land Management requirements:

1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.

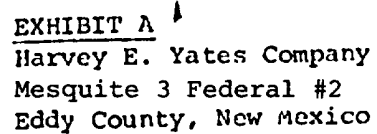
2. The estimated tops of geologic markers are as follows:

Rustler	700'	Cowden Anhy	1700'
Yates	2080'	Yates "A"	2140'
7 Rivers	2455'	Bowers	2902'
Queen	3170'	Penrose	3370'
Grayburg	3650'	San Andres	3960'
Bone Springs	5480'	TD	8830'

3. We do not anticipate finding water but have listed the formation in which we anticipate finding oil or gas.

Bone Springs 5480'.

4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: See Exhibit C.
6. Mud Program: See Form 9-331C.
7. Auxiliary equipment: Blowout preventer.
8. Testing, logging and coring programs: Two possible DST's; both in the Bone Springs. We are not planning to do any coring. Planned logs are DLL-Micro w/GR & Caliper, CN-Den w/GR & Caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.



PETERSON DRILLING COMPANY
Rig #3

EXHIBIT D
Harvey E. Yates Company
Mesquite 3 Federal #2
Eddy County, New Mexico

