

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

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  
560' FSL & 2310' FWL

At proposed prod. zone  
Same

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

8 miles south of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

560'

16. NO. OF ACRES IN LEASE

280

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1420'

19. PROPOSED DEPTH

9200

20. ROTARY OR CABLE TOOLS

Rotary

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

3897.5 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	Circ1
11"	8 5/8"	24 & 32	2900	Circ1
7 7/8"	5 1/2"	17	9200	600' above pay

Mud Program:

0 - 400 FW & spud mud  
400 - 2900 Salt water  
2900 - 9200 FW

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

*N.M. Young*

N.M. Young

TITLE

Drilling Superintendent

DATE

1-27-87

(This space for Federal or State office use)

PERMIT NO.

016:83d. Charles S. Young

APPROVAL DATE

APPROVED BY

Area Manager

TITLE

DATE

1-29-87

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

Form C-122  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

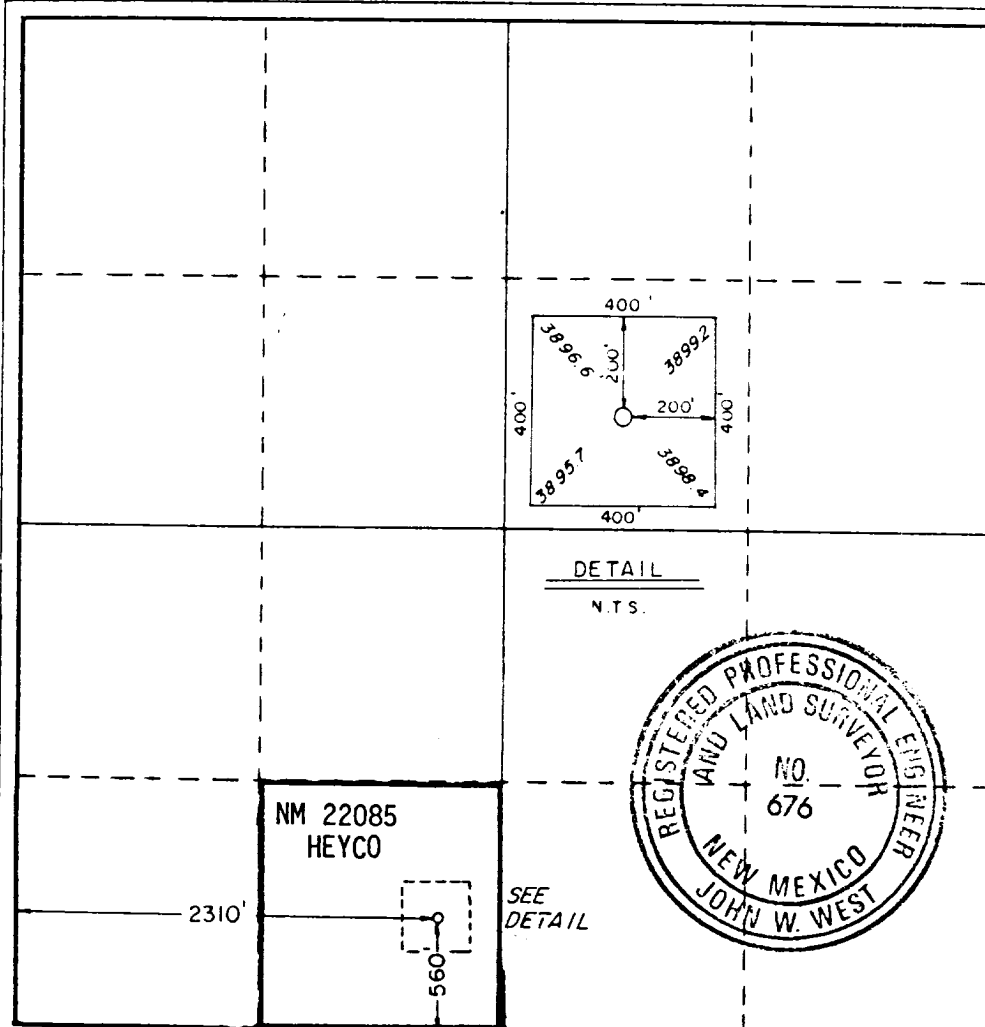
Operator <b>HARVEY E. YATES</b>			Lease <b>AMOCO 1 FEDERAL</b>		Well No. <b>2</b>
Unit Letter <b>N</b>	Section <b>1</b>	Township <b>18S</b>	Range <b>32E</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>2310</b> feet from the <b>WEST</b> line and <b>560</b> feet from the <b>SOUTH</b> line					
Ground Level Elev. <b>3897.5</b>	Producing Formation <b>Bone Springs</b>		Pool <b>North Young Bone Springs</b>	Dedicated Acreage: <b>40</b> 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 Commission.



**CERTIFICATION**

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

**N.M. Young**

Name  
**Drilling Superintendent**

Position  
**Harvey E. Yates Company**

Company  
**1-27-87**

Date

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  
**JANUARY 22, 1987**

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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

APPLICATION FOR DRILLING

HARVEY E. YATES COMPANY  
Amoco 1 Federal 2  
Sec. 1, T-18S, R-32E  
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 1, Township 18 South, Range 32 East, Lea 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	1340'	Bowers	3735'
Yates	2820'	Penrose	4275'
7 Rivers	3245'	San Andres	4920'
Queen	4010'	Delaware Sand	5750'
Grayburg	4570'	TD	9200'
Bone Springs	6325'		

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

Bone Springs                      6325'

4. Proposed casing program: See Form 3160-3
5. Pressure control equipment: See Exhibit C.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer
8. Testing, logging and coring programs:  
We do not plan to core or DST. The 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.

## SURFACE USE PLAN

HARVEY E. YATES COMPANY  
Amoco 1 Federal 2  
Sec. 1, T18S, R31E  
Lea County, New Mexico

### 1. EXISTING ROADS:

- A. Exhibit A is a portion of the New Mexico Map showing the location of the proposed well. The location is approximately 40 miles east of Artesia, New Mexico. Leave Artesia on U.S. Highway 82 and travel east to State highway 529. Travel S.E. on 529 to mile marker 11. Turn right on caliche road & travel S.W. for 2.0 miles. Turn left on lease road and travel south for .4 mile. Turn left and travel east to new location.
- B. We will build approximately 400 ft. new road to reach our proposed location. Exhibit B is a plat showing the well and existing roads.

### 2. PLANNED ACCESS ROADS:

- A. We plan to use the existing roads as far as possible. The running surface will be 14' wide, built with 6" compacted caliche.

### 3. LOCATION OF EXISTING WELLS:

- A. Exhibit B is a plat showing existing wells and their locations.

### 4. LOCATIONS OF TANK BATTERIES, ETC.:

- A. In the event we drill a producing well, all production equipment will be located at this well site.

### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be from commercial sources, either hauled or pipelined.

- B. The topography consists of sandy soil with native grasses, catclaw, etc. No wildlife was observed, but the usual inhabitants of this region are jackrabbits, reptiles, coyotes, etc.
- C. There are no ponds, lakes, streams or rivers in this area.
- D. An Archaeological Survey has been made and a copy has been sent to your Carlsbad office. There is no evidence of any significant archaeological, historical or cultural sites in the area. Also, there are no occupied dwellings or windmills.

12. OPERATOR'S REPRESENTATIVES:

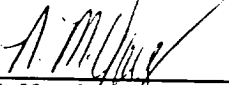
- A. The field representatives responsible for assuring compliance with the approved surface use and operations plan are:

Micky Young  
Harvey E. Yates Company  
P. O. Box 1933  
Roswell, New Mexico 88201  
Office: 505/623-6601  
Mobil: 505/624-1818 #840

John Bilberry  
Harvey E. Yates Company  
P. O. Box 1933  
Roswell, New Mexico 88201  
Office: 505/746-3000  
Mobil: 505/624-1818 #849

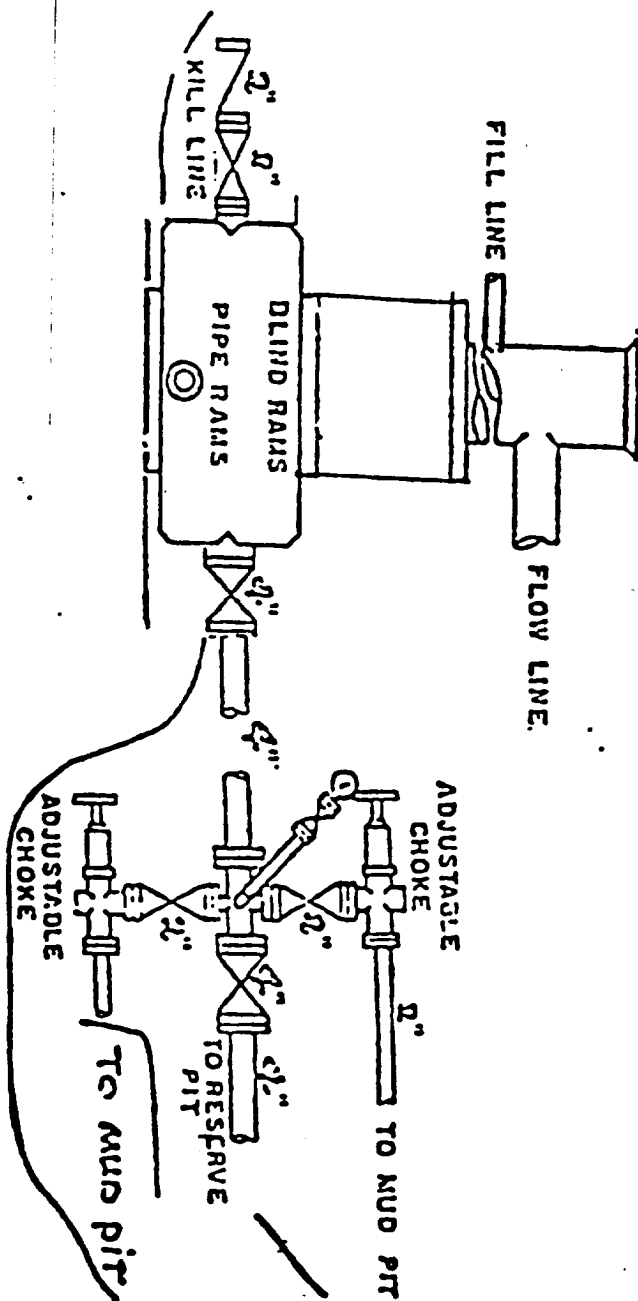
13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Harvey E. Yates Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
N.M. Young  
Drilling Superintendent

January 27, 1987

Harvey E. Yates Co.  
Amoco 1 Federal 2  
Lea Co., New Mexico



RECEIVED  
JAN 30 1987  
OCD  
HOBBS OFFICE

18-627-2001  
JAN 4 1987