

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

COMMISSION

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 ✓

RECEIVED

3. ADDRESS OF OPERATOR

P.O. Box 1933, Roswell, New Mexico 88202

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

At surface

1650' FWL & 1980' FSL

At proposed prod. zone

same

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

8 miles S.E. of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED\*

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

660'

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

1360

16. NO. OF ACRES IN LEASE

160

19. PROPOSED DEPTH

8450

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3696.3 GL

22. APPROX. DATE WORK WILL START\*

ASAP

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	350	Circ to surface
12 1/4	8 5/8	24 & 32	2000	Circ to surface
7 7/8	5 1/2	17	8450	600' above pay

MUD PROGRAM:

0 - 350 FW w/paper  
350 - 2000 Brine water  
2000 - 8450 FW mud

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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

NM Young

TITLE Drilling Superintendent

DATE 9/19/89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 10-19-89

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.

SEP 21 12 04 PM '89  
CARTER  
AREA

RECEIVED  
POSTED TO  
API. N. 1  
10-27-89

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

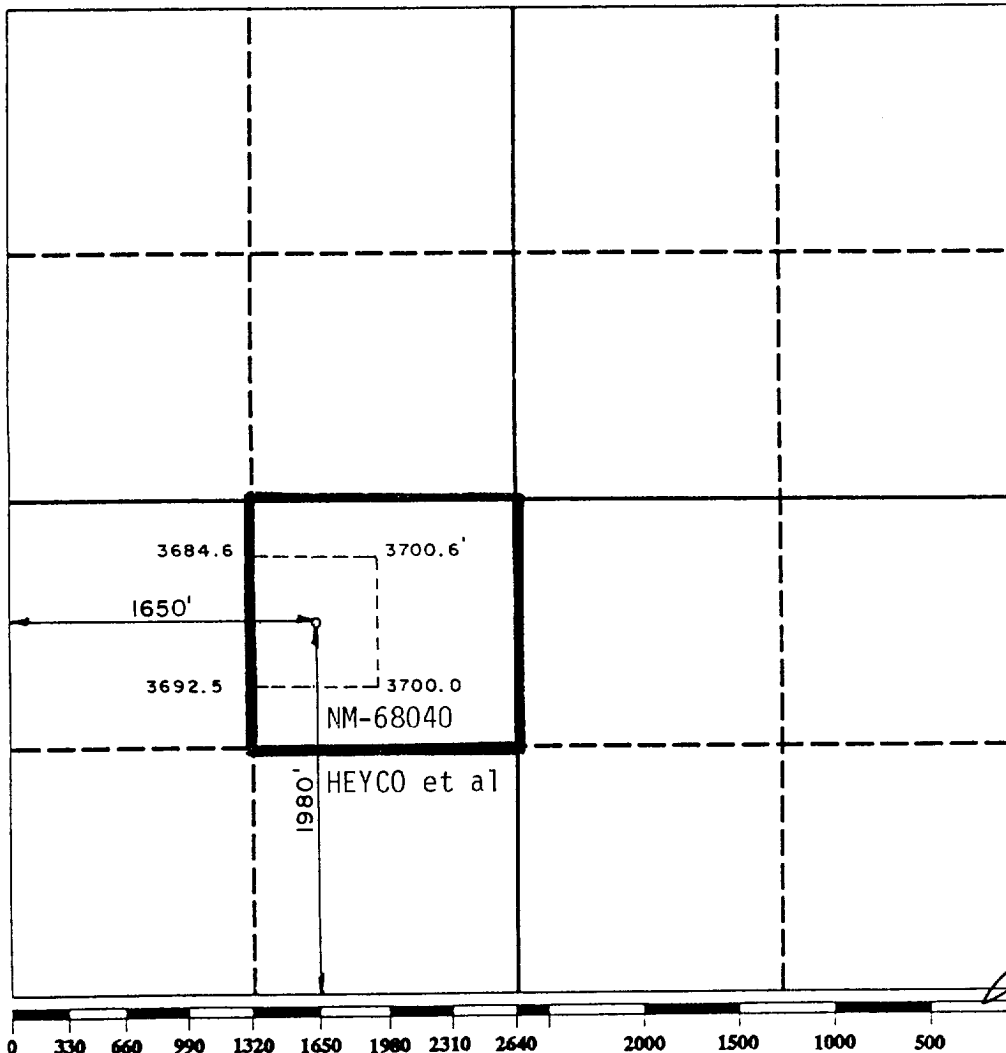
SEP 18 1989

Operator Harvey E. Yates			Lease Parker Federal "5"		Well No. 4
Unit Letter K	Section 5	Township 18 South	Range 31 East	County NMPM	Eddy

Actual Footage Location of Well:

1980 feet from the	South line and	1650 feet from the	West line
Ground level Elev. 3696.3	Producing Formation Bone Springs	Pool North Shugart	Dedicated Acreage: 40 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 interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature <i>H. M. Young</i>
Printed Name NM Young
Position Drilling Superintendent
Company Harvey E. Yates Company
Date 9/19/89

SURVEYOR CERTIFICATION

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 September 12, 1989
Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i>
Certificate No. 8766 RONALD J. EIDSON NEW MEXICO JOHN W. WEST
676 3239

### Application

HARVEY E. YATES COMPANY  
Parker 5 Federal #4  
Sec. 12, T18S, R31E  
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 12, 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	480'	Grayburg	3488'
Yates	1895'	San Andres	3840'
Seven Rivers	2280'	Delaware Sd	4280'
Bowers	2744'	Bone Springs	4750'
Queen	2980'	TD	8450'
Penrose	3195'		

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

Bone Spring 4840'

4. Proposed casing program: See Form 3160-3. HEYCO will be running some used casing when applicable.
5. Pressure control equipment: See Exhibit C. Although the rig equipment is 3M rated, this well will be a 2M PSI rating.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer
8. Testing, logging and coring programs: We plan on coring the Grayburg & Bone Springs. One DST in the Bone Springs is scheduled. The planned logs are CND w/GR and Caliper and DLL-MSFL.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

## SURFACE USE PLAN

HARVEY E. YATES COMPANY  
Parker 5 Federal #4  
Sec. 5, T18S, R31E  
Eddy County, New Mexico

### 1. EXISTING ROADS:

Exhibit A is a portion of a New Mexico Map showing the location of the proposed well. The location is approximately 35 miles east of Artesia, New Mexico, or about 8 miles southeast of Loco Hills, New Mexico. Leave Artesia on U.S. Highway 82 and travel east to the junction of New Mexico Highway 222. Turn south on Highway 222 and travel 2.7 miles. Turn west on lease road and travel .7 of a mile. Turn north for .25 of a mile to the new location.

### 2. PLANNED ACCESS ROADS:

We plan to use the existing roads as far as possible. We will build approximately 1320 ft of new road to reach the proposed location. The running surface will be 14' wide, built with 6" of compacted caliche.

### 3. LOCATION OF EXISTING WELLS:

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

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

In the event we drill a producing well, all production equipment will be located at Unit M, Sec. 5, T18S, R31E.

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

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

6. SOURCE OF CONSTRUCTION MATERIAL:

We will use caliche from the reserve pit area to build the road and location.

7. METHODS OF HANDLING WASTE DISPOSAL:

Waste will be buried in reserve pits at a depth of 36". The wellsite will be cleaned of all waste and this will be done within 30 days after completion of the well.

8. ANCILLARY FACILITIES:

None required.

9. WELLSITE LAYOUT:

- A. Exhibit D shows the relative location and dimensions of the well pad, reserve pits and major rig components.
- B. The land is relatively flat with sandy soil and sand dunes.
- C. The pad and pit area have been staked.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After finishing drilling and/or other completion operations, all equipment and other materials not needed for further operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite as pleasant in appearance as possible.
- B. If the proposed well is non-productive, all restoration and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as quickly as possible. All pits will be filled and levelled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. The surface and minerals are Federal land.
- 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 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:

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

Curtis Tolle  
Harvey E. Yates Company  
P. O. Box 1933  
Roswell, New Mexico 88201  
Office: 505/748-2435  
Mobil: 505/624-1818 #837

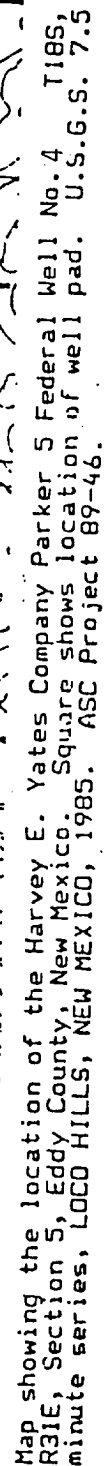
13. CERTIFICATION:

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

September 19, 1989

Harvey E. Yates Co  
Parker 5 Federal #4  
1650' FSL & 330' FWL  
Sec. 5 T-18S R-31E  
Lea Co., New Mexico



# EXHIBIT B

Harvey E. Yates Co.  
Parker 5 Federal # 4  
Sec. 5 T-18S R-31E  
Eddy Co., New Mexico.

Existing Wells ●  
Existing Roads ———

Proposed Well ○  
Proposed Road - - - - -

County Road 222

6

Heyco's  
Parker 5 Fed. #3

5

Union of  
Texas

Heyco's  
Can-Ken Fed.

4

Heyco's Hondo Federal  
& Arco's Wilmar Federal

Union of  
Texas  
Neste

#4  
#2  
#1

Cockburn Fed.

Union of  
Texas

Heyco's PMS 8 Federal

Arco's Balsh Federal

7

8

9

SECTION 6, 5, 4, 9, & 8 TOWNSHIP 18 S RANGE 31 E

COUNTY Eddy STATE New Mexico



EXHIBIT C

Harvey E. Yates Co.  
Parker 5 Federal #4  
1650' FWL & 1980' FSL  
Sec. 5 T-18S R-31E  
Eddy Co., New Mexico

900 Series

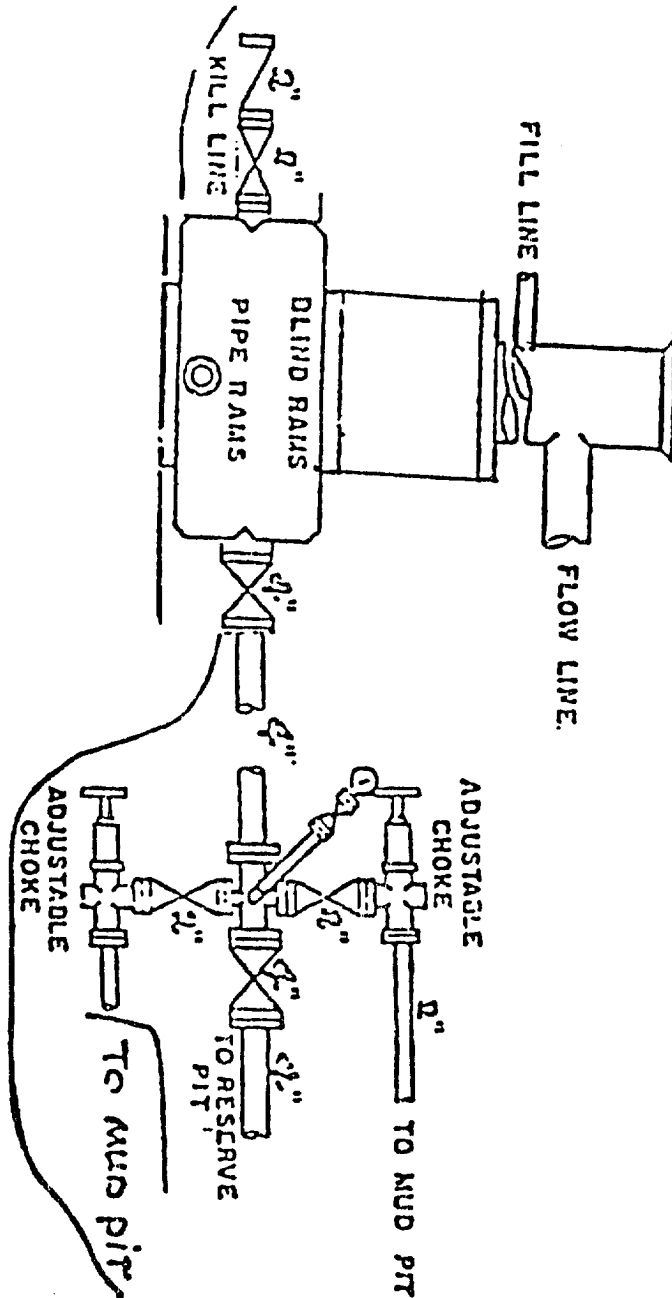


EXHIBIT D

Harvey E. Yates Co.  
Parker 5 Federal #4  
1650'FWL & 1980'FSL  
Sec.5 T-18S R-31E  
Eddy Co., New Mexico

