

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

RECEIVED

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Harvey E. Yates Company

OCT - 2 '89

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

290' FWL & 1930' FNL
1700

O.C.D.
ARTESIA, OFFICE

At proposed prod. zone

same

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

8 miles southeast of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED*

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

510

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.

230' (dry hole)

19. PROPOSED DEPTH

8500

20. ROTARY OR CABLE TOOLS

Rotary

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

3670.3 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 | 300 | Circ to surface |
| 12 1/4 | 8 5/8 | 24 & 32 | 1950 | Circ to surface |
| 7 7/8 | 5 1/2 | 17 | 8500 | 600' above pay |

MUD PROGRAM:

0 - 300 FW w/paper
300 - 1950 Brine water
1950 - 8500 FW mud

Post ID-1
10-6-89
New Doc & APF

RECEIVED

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 7/14/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Charles D. L. Menus TITLE CARLSBAD RESOURCE AREA DATE 9-29-89

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.

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
RECEIVED

OIL CONSERVATION DIVISION

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

SEP 18 8 10 AM '89

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

**CARLSBAD DISTRICT
AREA HEADQUARTERS**

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | | | | | |
|---|--------------|-------------------------------------|-------------------------|----------------|-----------------------|---------------|--------------------------------|--|
| Operator Harvey E. Yates Co. | | | Lease ARCO 5 Federal | | | Well No. 1 | | |
| Unit Letter E | Section 5 | Township 18 South | Range 31 East | County NMPM | | Eddy | | |
| Actual Footage Location of Well: 1700 feet from the north line and 730 feet from the west line | | | | | | | | |
| Ground level Elev. 3670.3' | | 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.?

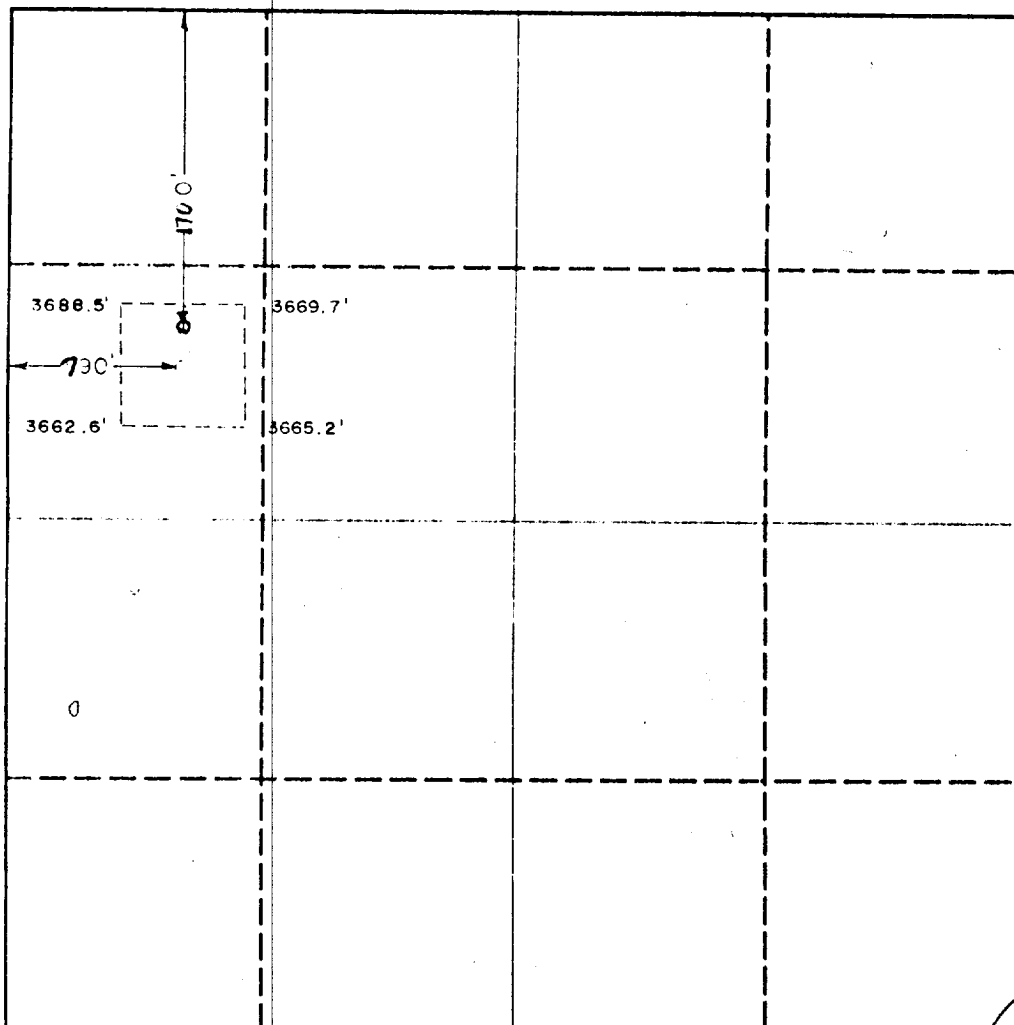
☐ Yes

☐ 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

Dan Girand

Printed Name

Contracts Administrator

Position

Harvey E. Yates Company

Company

9/14/89

Date

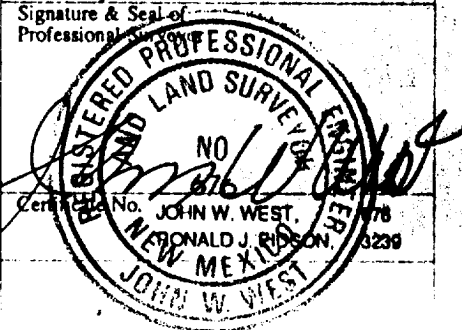
SURVEYOR CERTIFICATION

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

July 10, 1989

Signature & Seal of
Professional Surveyor



0 330 660 990 1320 1650 1980 2310 2640 2000 1000 1500 500 0

Application

HARVEY E. YATES COMPANY
Arco 5 Federal #1
Sec. 5, T18S, R31E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 5, 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 | 435' | Grayburg | 3454' |
| Yates | 1880' | San Andres | 3828' |
| Seven Rivers | 2245' | Delaware Sand | 4500' |
| Bowers | 2712' | Bone Spring | 4840' |
| Queen | 2960' | TD | 8500' |
| Penrose | 3175' | | |

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 using some used casing when applicable.
5. Pressure control equipment: See Exhibit C. Although the rig equipment is 3M rated, this is only a 2M PSI rated well.
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 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
Arco 5 Federal #1
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 existing roads and wells. 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 miles. Turn west on lease road and travel 1 mile. Turn south 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 300 ft of new road to reach the proposed location. The running surface will be 14' wide, with 6" 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 E, 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.

July 14, 1989

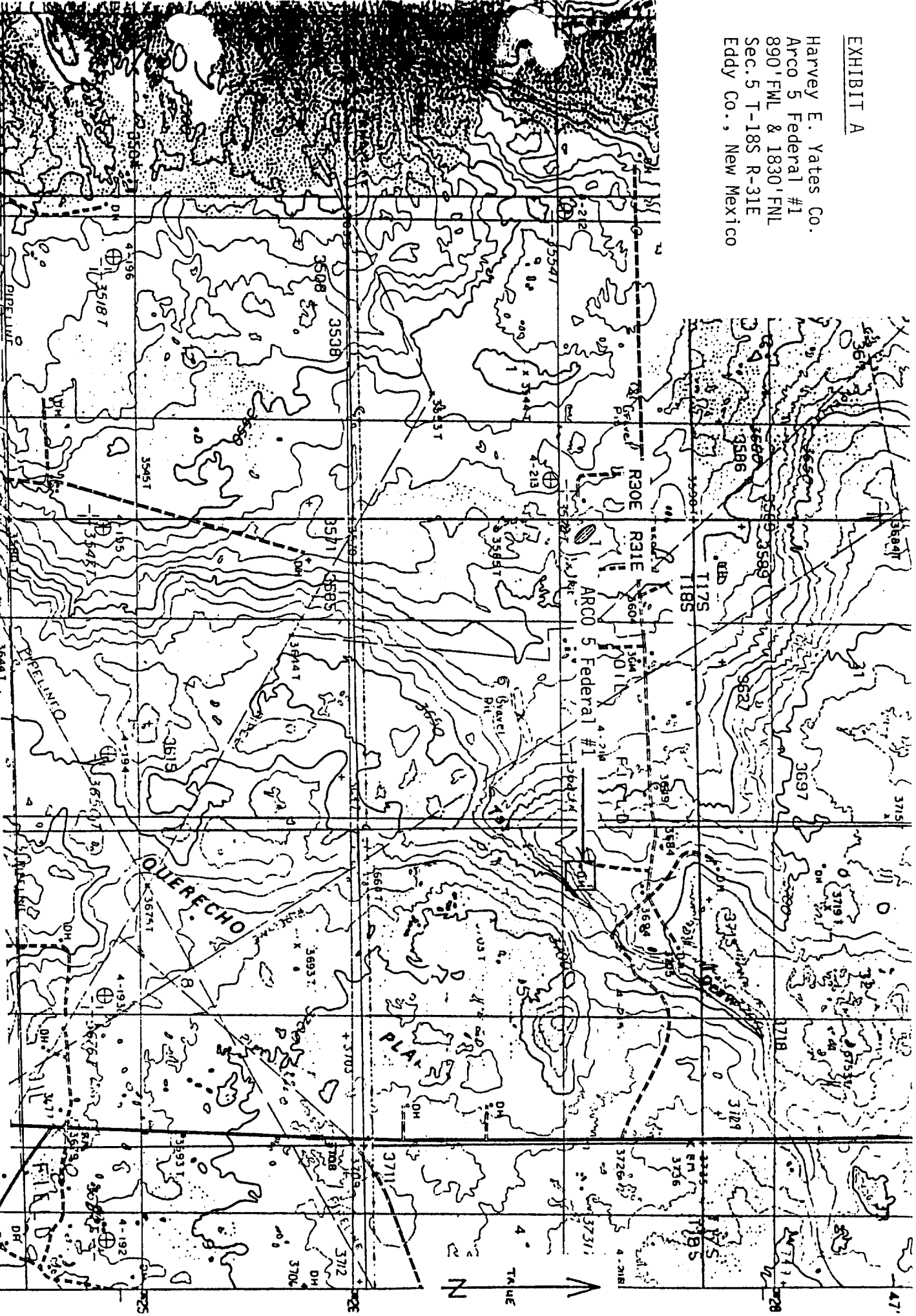


N.M. Young
Drilling Superintendent

EXHIBIT A

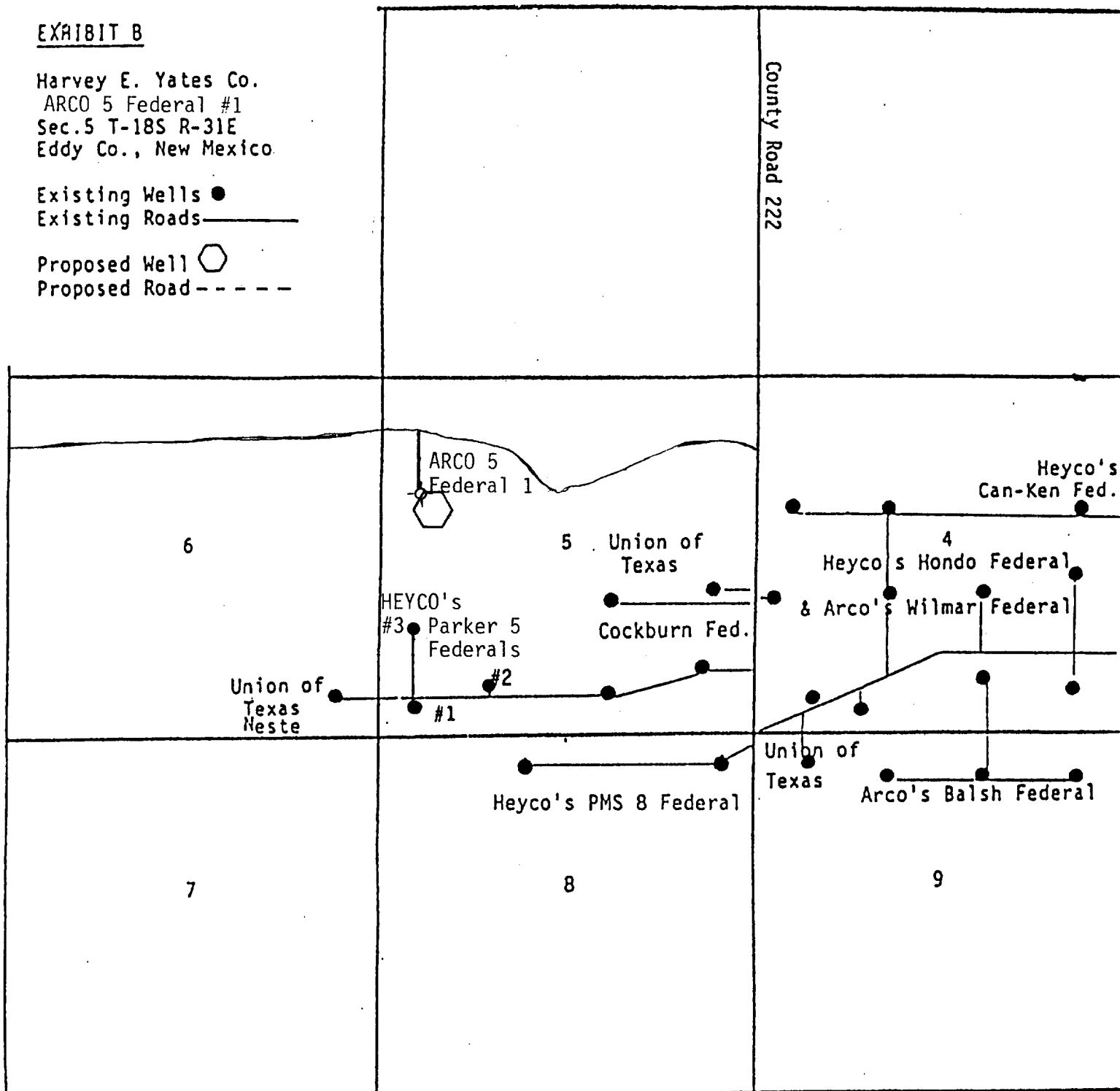
Harvey E. Yates Co.
Arco 5 Federal #1
890' FWL & 1830' FNL
Sec. 5 T-18S R-31E
Eddy Co., New Mexico

Map showing the location of the Harvey E. Yates Company Arco-5 Federal Well No. 1 and Access Road R/W. T18S, R31E, Section 5, Eddy County, New Mexico. Squares show locations of well pads; solid line shows location of access road centerline; dots show locations of isolated Mani-festations. U.S.G.S. 7.5 minute series, LOCO HILLS, NEW MEXICO, 1985. ASC Project 89-88.



Harvey E. Yates Co.
ARCO 5 Federal #1
Sec.5 T-18S R-31E
Eddy Co., New Mexico.

Proposed Well 
Proposed Road - - - - -



COUNTY Eddy STATE New Mexico

EXHIBIT C

Harvey E. Yates Co.
Arco 5 Federal #1
890'FWL & 1830'FNL
Sec.5 T-18S R-31E
Eddy Co., New Mexico

900 Series

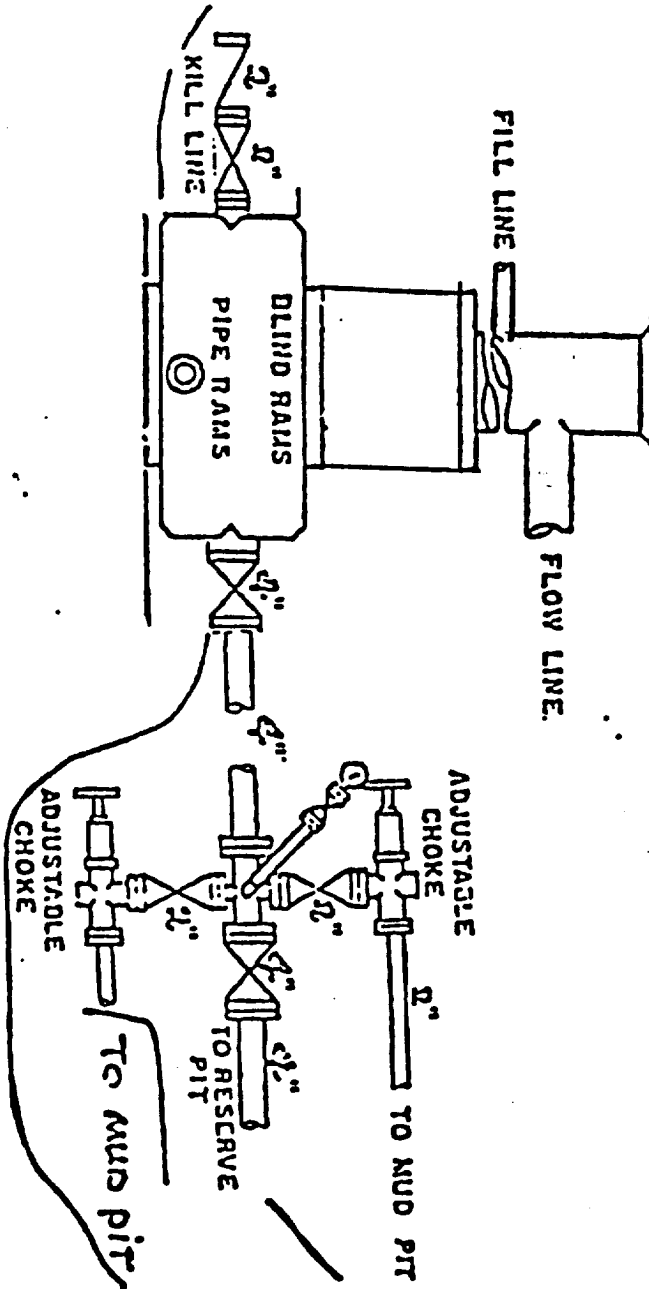


EXHIBIT D

Harvey E. Yates Co.
Arco 5 Federal #1
890'FWL & 1830'FNL
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Essy Co., New Mexico

