

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-025-30562

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-40451 77315	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Harvey E. Yates Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1933, Roswell, New Mexico 88202			8. FARM OR LEASE NAME Amoco CP Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 330' FSL & 2310' FEL At proposed prod. zone same			9. WELL NO. #2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles South of Maljamar, N.M.			10. FIELD AND POOL, OR WILDCAT North Young BS	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 8, T18S, R32E	
16. NO. OF ACRES IN LEASE 200			12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE NM	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1683'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3761.2 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	400	Circ to surface
11	8 5/8	24 & 32	2675	Circ to surface
7 7/8	5 1/2	17	9250	600 ft above pay

MUD PROGRAM:

0 - 400 FW  
400 - 2675 Brine Water  
2675 - 9250 FW Mud

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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 NM Young TITLE Drilling Superintendent DATE June 9, 1988  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Samuel P. Poreta TITLE AREA MANAGER DATE 2-16-89  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
CARLSBAD RESOURCE 1970

\*See Instructions On Reverse Side

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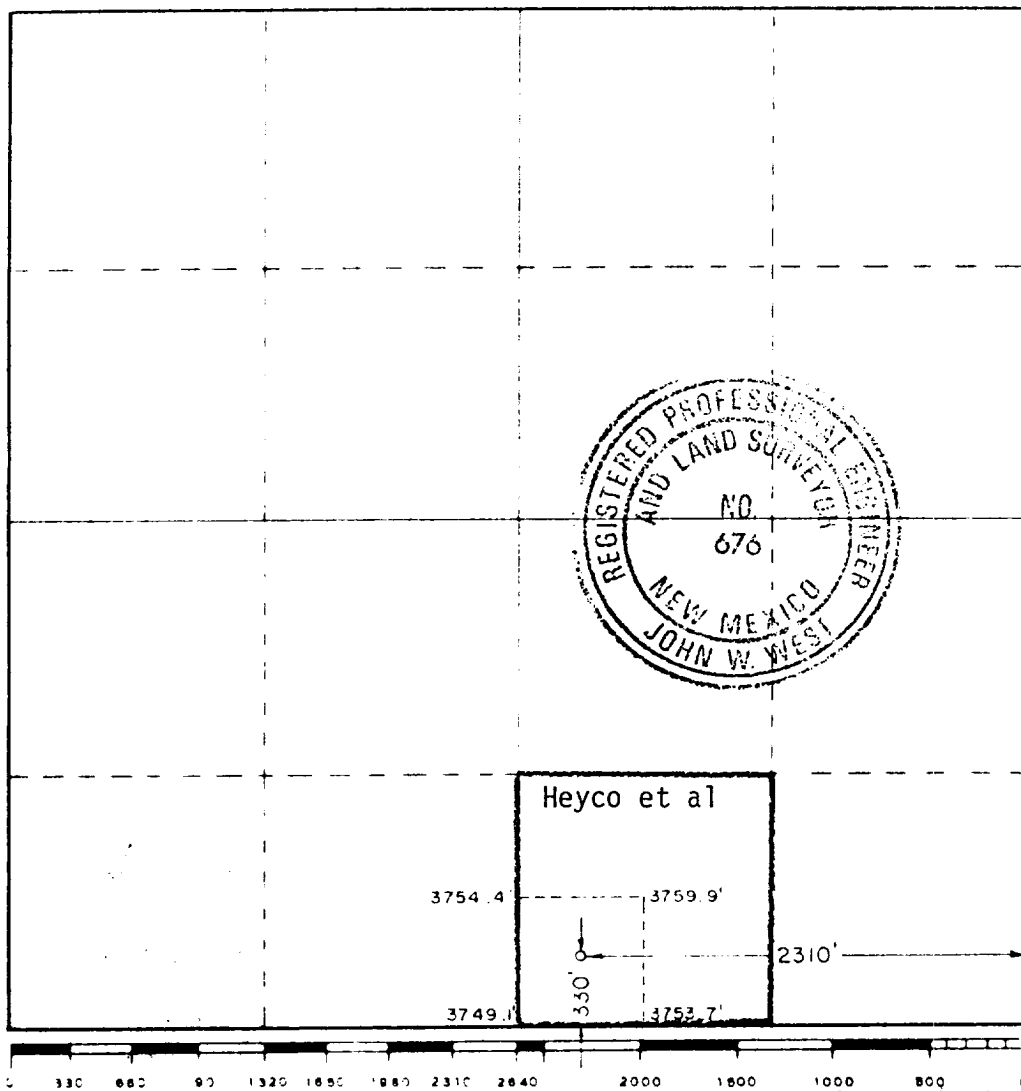
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Form C-102  
Supersedes C-128  
Effective 1-1-65

Lease		Harvey E. Yates Company		Amoco C.P. Federal		Well No. 2	
Section 6		Section 8		Township 18 South		Range 32 East	
County Lea							
Aerial photograph taken at Well 330 south line and 2310 feet from the east							
Ground Level Elev 3761.2		Producing Formation BONE SPRINGS		Pool NORTH YOUNG		Well Prod A (gallons) 40	

- Yes ☐ No ☐ If answer is "yes," type of consolidation \_\_\_\_\_

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.



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

A. M. Young

N.M. Young

Drilling Superintendent

Harvey E. Yates Co.

June 8, 1988

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.

May 20, 1988

Registered Professional Engineer  
and Professional Surveyor

*James W. White*

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

### Application

HARVEY E. YATES COMPANY  
Amoco CP Federal #2  
Section 8, T18S, R32E  
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 8, 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	1055'	Penrose	3990'
Yates	2563'	Grayburg	4315'
Seven Rivers	3007'	San Andres	4665'
Bowers	3470'	Bone Spring	6300'
Queen	3739'	TD	9250'

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

Bone Spring 6300'

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 CND w/GR and Caliper; 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  
Amoco CP Federal #2  
Sec. 8, T18S, R32E  
Lea County, New Mexico

### 1. EXISTING ROADS:

Exhibit A is a portion of a New Mexico Map showing the the location of the proposed well. The location is approximately 38 miles east of Artesia, New Mexico, or about 6 miles south of Maljamar, New Mexico. Leave Artesia on U.S. Highway 82 and travel east to the junction of New Mexico Highway 529. Turn south on Highway 529 and travel 7 miles to the intersection of New Mexico Highway 126. Turn south on 126 and go 2.5 miles. Turn right and go .4 mile and turn left on new lease road. Go 1000 ft to the new location.

### 2. PLANNED ACCESS ROADS:

We propose to build approximately 1000' of new road to the location. It will be 14' wide and 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, we will use the existing producing facilities on the Amoco CP Federal #1.

### 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. There will be no cut and fill work done in the area. It is relatively flat with sandy soil and sand dunes. Some of these dunes will have to be levelled.
- 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.

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11. OTHER INFORMATION:

- A. The Surface and Mineral rights are owned by the Federal Government.
- 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. The survey indicates no evidence of any significant archaeological, historical or cultural sites in the area. There are no occupied dwellings or windmills in the area of the wellsite.

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

Bob Williams  
Harvey E. Yates Company  
P. O. Box 1933  
Roswell, New Mexico 88201  
Office: 505/396-3235  
Mobil: 505/624-1818 #867

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

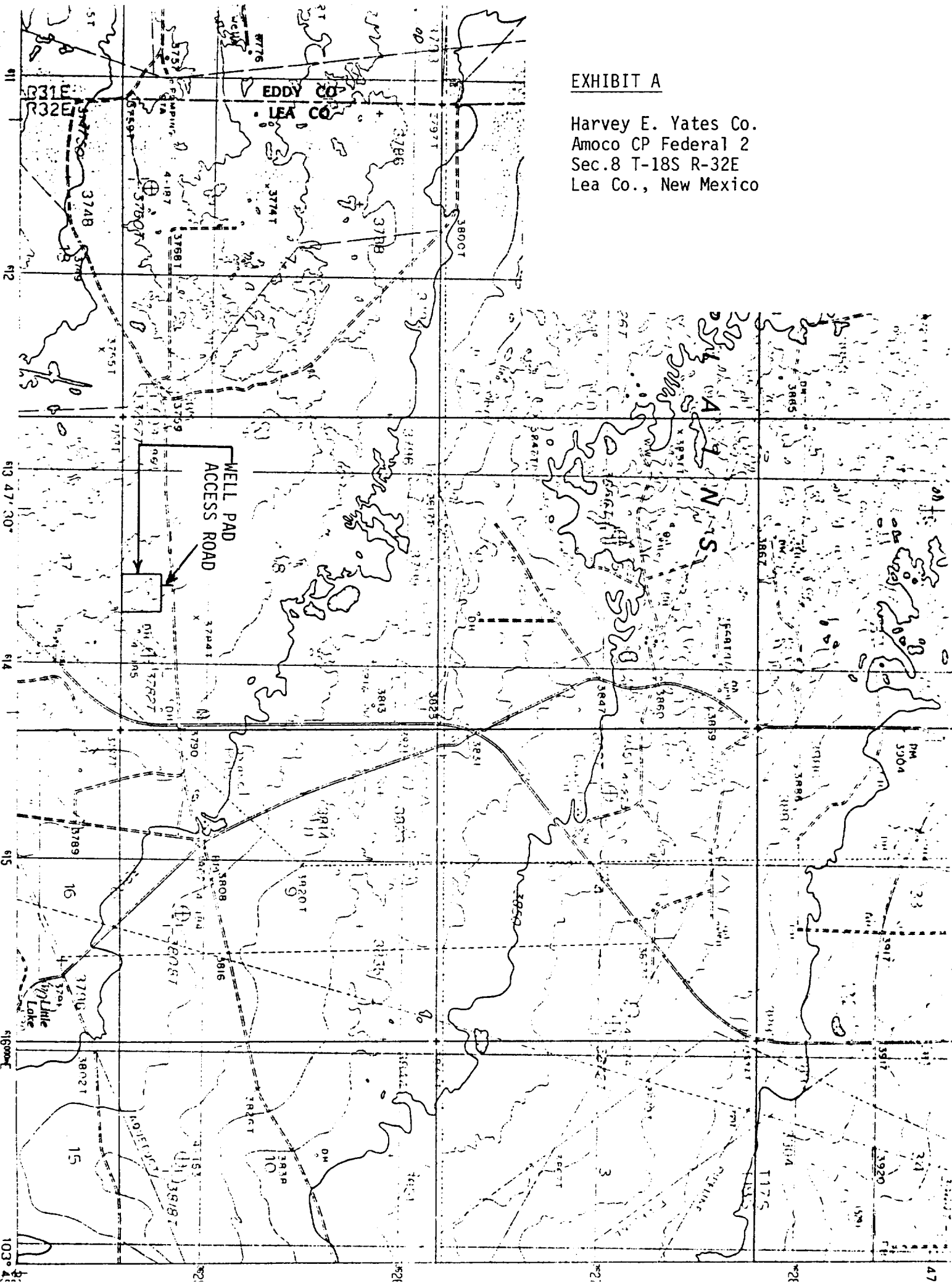
June 9, 1988



EXHIBIT A

Harvey E. Yates Co.  
Amoco CP Federal 2  
Sec. 8 T-18S R-32E  
Lea Co., New Mexico

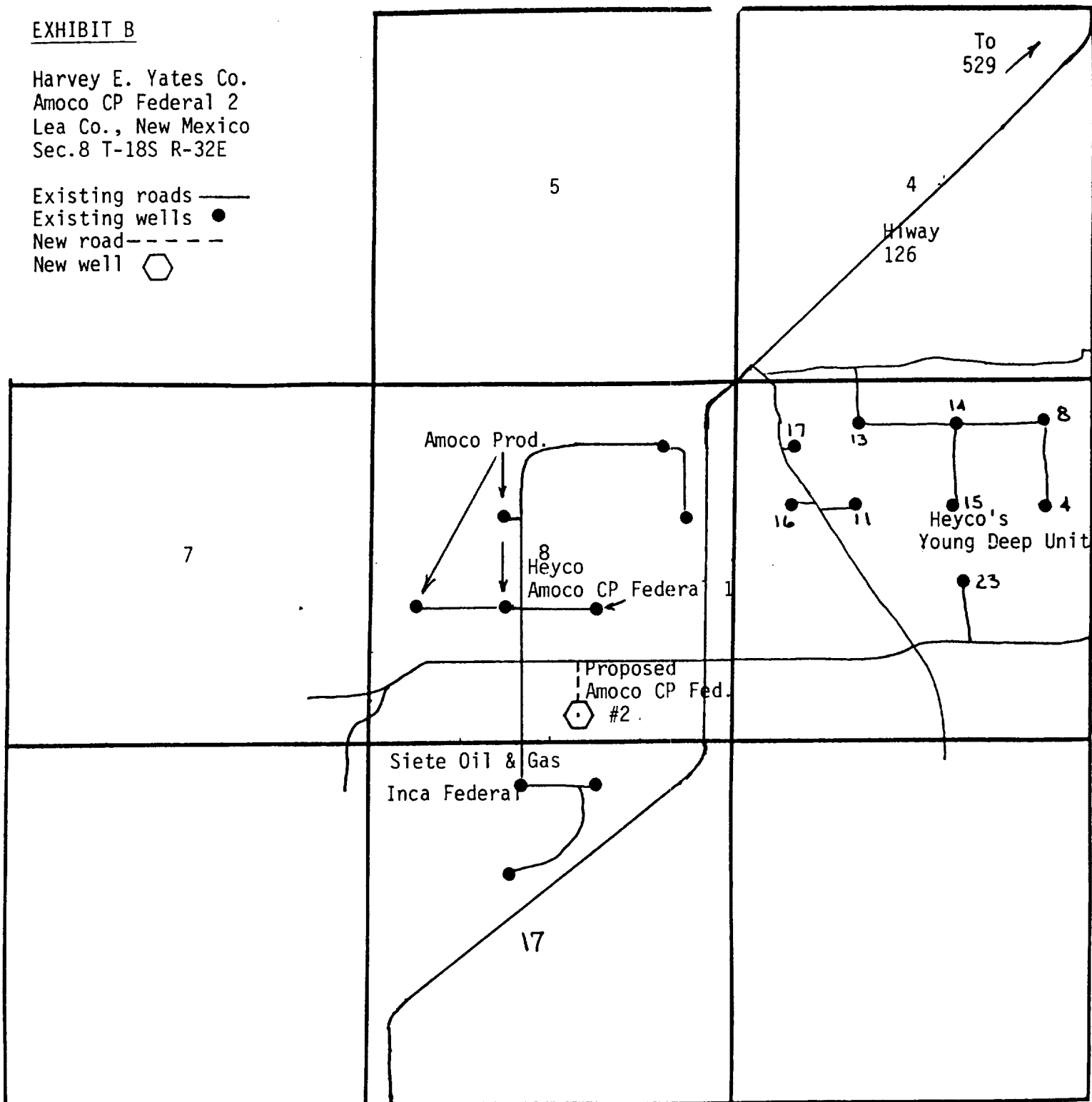
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# EXHIBIT B

Harvey E. Yates Co.  
Amoco CP Federal 2  
Lea Co., New Mexico  
Sec. 8 T-18S R-32E

Existing roads ———  
Existing wells ●  
New road - - - - -  
New well ○



SECTION 8 TOWNSHIP 18-S RANGE 32-E

COUNTY Lea STATE New Mexico

EXHIBIT C

Harvey E. Yates Co.  
Amoco CP Federal 1  
Lea Co., New Mexico  
Sec. 8 T-18S R-32E

900 Series

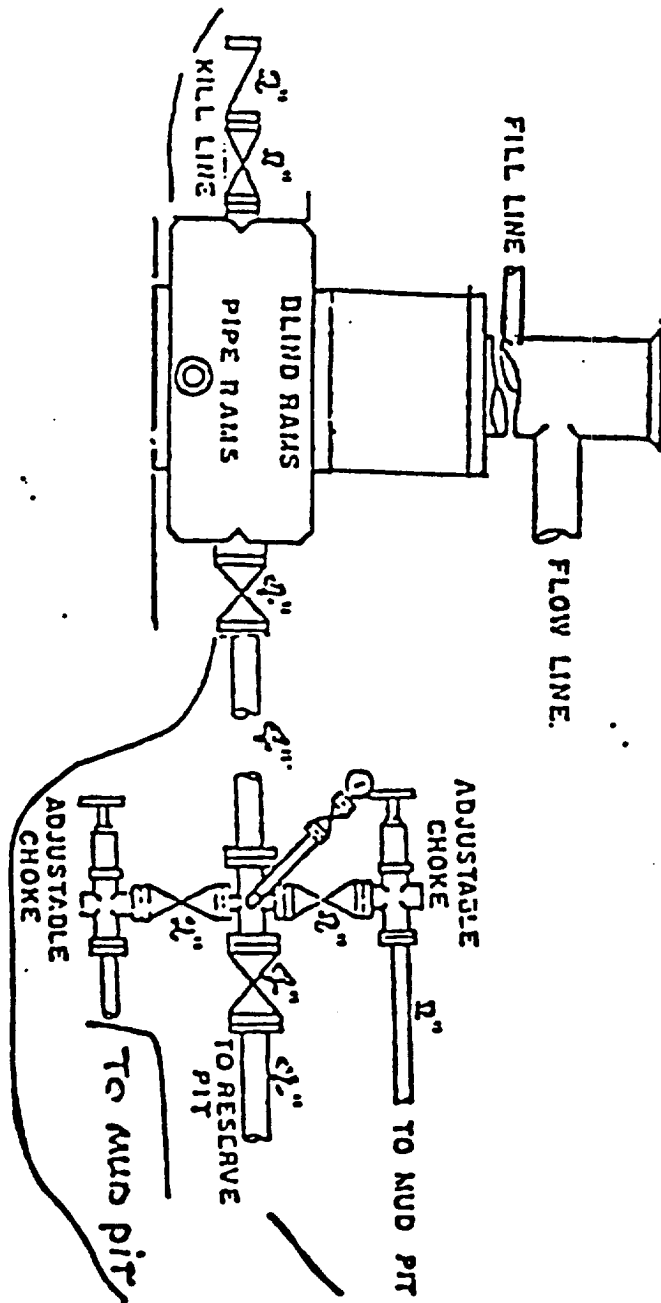
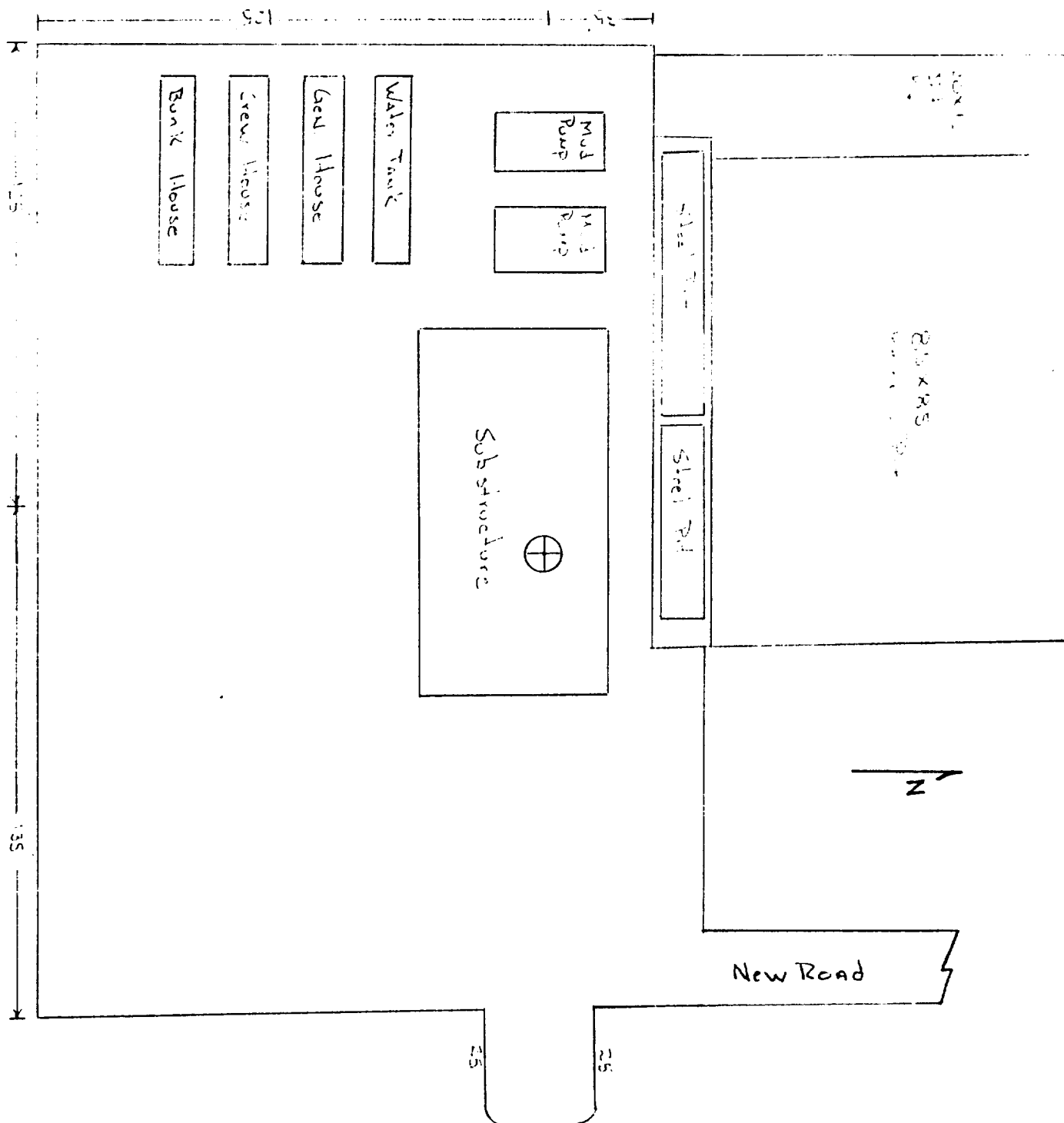


EXHIBIT D

Harvey E. Yates Co.  
Amoco CP Federal 1  
Lea Co., New Mexico  
Sec. 8 T-18S R-32E



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