

NMCCC COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-22442

## 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

O. C. C.  
ARTESIA, OFFICE

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

At surface

1980' FNL &amp; 1980' FWL

At proposed prod. zone

Same

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

Route 1 - 32 miles

Route 2 - 21 miles from Carlsbad

## 15. DISTANCE FROM PROPOSED\*

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

660'

## 16. NO. OF ACRES IN LEASE

760

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

4300'

## 19. PROPOSED DEPTH

1200'

## 21. ELEVATIONS (Show whether DF, RT, GK, etc.)

3878' GL

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8 5/8"	24#	100'	Circulate
6"	4 1/2"	9.5#	1200'	Circulate

RECEIVED  
FEB 17 1978  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

TITLE

Vice President

DATE Feb. 16, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

oral 2-28-78

APPROVED BY

TITLE

ACTING DISTRICT ENGINEER

DATE

MAR 3 - 1978

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES JUN 3 - 1978

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DECLARATION

Form No. 1  
1-77

All dimensions must be in feet or meters.

Harvey Yates Co,

China Canyon ARCO Federal

1

F

28

23 South

24 East

Eddy

1980

North

1980

West

3878.0

Delaware

Wildcat

40

1. Outline the acreage dedicated to the subject well by (a) lease, (b) pooling agreement, (c) unitization, (d) forced pooling, (e) other.

2. If more than one lease is dedicated to the well, outline each lease (a) acreage, (b) owner, (c) interest and royalty.

3. If more than one lease of different ownership is dedicated to the well, outline each lease (a) acreage, (b) owner, (c) interest and royalty, (d) date of unitization, (e) date of pooling, (f) date of forced pooling, (g) date of other.

4. Yes ☐ No ☐ If answer is "No," type of lease is:

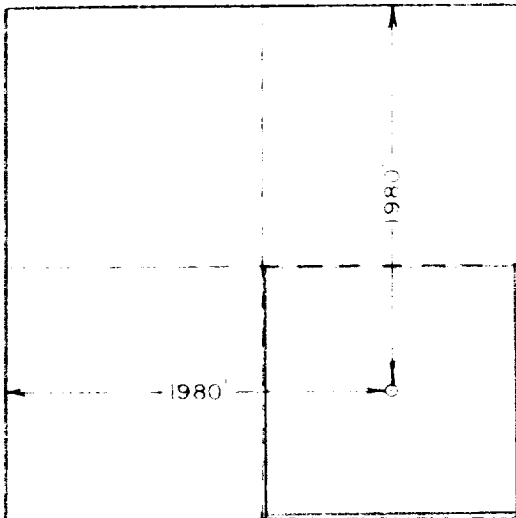
If answer is "No," list the owners and their descriptions of the lease on this form if necessary.

No allowable will be assigned to the well until a pooling agreement is entered into, or forced pooling, or otherwise for until a nonstandard unit is approved by the Commission.

**RECEIVED**

FEB 17 1978

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO



Vice President

Harvey E. Yates Company

February 16, 1978

Feb. 6, 1978

*Ronald J. Edison*

Ronald J. Edison

678

Ronald J. Edison

3239

APPLICATION FOR DRILLING

Harvey E. Yates Company  
China Canyon ARCO Federal #1  
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 28, Township 23S, Range 24E, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with U. S. G. S. 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:

Queen	300'
Cherry Canyon	1175'
TD	1200'
3. We do not anticipate finding water but have listed the formations in which we anticipate finding oil or gas:

Cherry Canyon	1175'
---------------	-------
4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: Cable tools rig with control head
6. Mud program: See Form 9-331C.
7. Auxiliary equipment: Control head.
8. Testing, logging and coring programs: Sidewall Neutron log will be run. No coring or DST's are planned.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval but no later than March 1, 1978.

HARVEY E. YATES COMPANY  
China Canyon ARCO Federal #1  
Sec. 28, T-23S, R-24E  
Eddy County, New Mexico

RECEIVED

FEB 17 1978

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

1. EXISTING ROADS:

- A. Exhibit A is a portion of a highway map showing the location of the proposed well. The location is accessible by two routes and they are as follows:

Route 1:

Leave Carlsbad on U. S. Highway 285 heading northwest. Travel approximately 8 miles or until you come to New Mexico Highway 137. Turn left and continue for about 18 miles on Highway 137. At this point there is a road heading southeast. Turn on this road and travel for 5.5 miles. Turn left and our proposed location is about 300' due northeast.

Route 2:

Leave Carlsbad and travel southwest on U. S. Highways 62 and 180 for about 5 miles; approximately 1 mile south of the port of entry there is a road that turns west. Take this gravel road and continue for about 15 miles (Wooten Ranch is 1/4 mile past turn-off to proposed location. Our proposed location is about 300' due northeast.

- B. Exhibit B is a plat showing all existing roads in the area and the portion of road that will be built.

2. PLANNED ACCESS ROADS:

- A. We propose to build 300' of new road to our location from the improved gravel road. The road will be 12' wide and 6" compacted caliche.

3. LOCATION OF EXISTING WELLS:

- A. This section has no existing wells or dry holes.

4. LOCATION OF TANK BATTERIES, ETC.:

- A. There are no tank batteries or any other type of production facilities on this section.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be obtained from commercial sources.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche will be needed to build the new road and cable tools pad and will be obtained from a federal pit located 1/4 mile east of our proposed location and on the south side of the road.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Waste will be buried in reserve pits at a depth of 24". The well site will be cleaned of all waste and this will be done within 30 days after completion of the well.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, reserve pits and major rig components.
- B. The terrain is relatively flat with a hard sand surface.
- C. No unusual amount of cut and fill will be required.
- D. 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 material 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 and the United States Geological Survey will be complied with and will be accomplished as quickly as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. The surface is Federal surface.
- B. The topography consists of flat surface of hard sand 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 the area.
- D. There are no occupied dwellings or windmills in the area of the wellsite.
- E. There is no evidence of any archeological, historical or cultural sites in the area.

12. OPERATOR'S REPRESENTATIVES:

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

Drilling:	Peck Hardee	Fred G. Yates
	Harvey E. Yates Company	Harvey E. Yates Company
	Suite 300	Suite 300
	Security National Bank Bldg.	Security National Bank Bldg.
	Roswell, New Mexico 88201	Roswell, New Mexico 88201
	Office: 505/623-6601	Office: 505/623-6601
	Home: 505/623-8980	Home: 505/622-5387
	Mobile: 505/623-0989 #4114	Mobile: 505/623-0989 #4109

13. CERIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the 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.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Vice President  
Name and Title

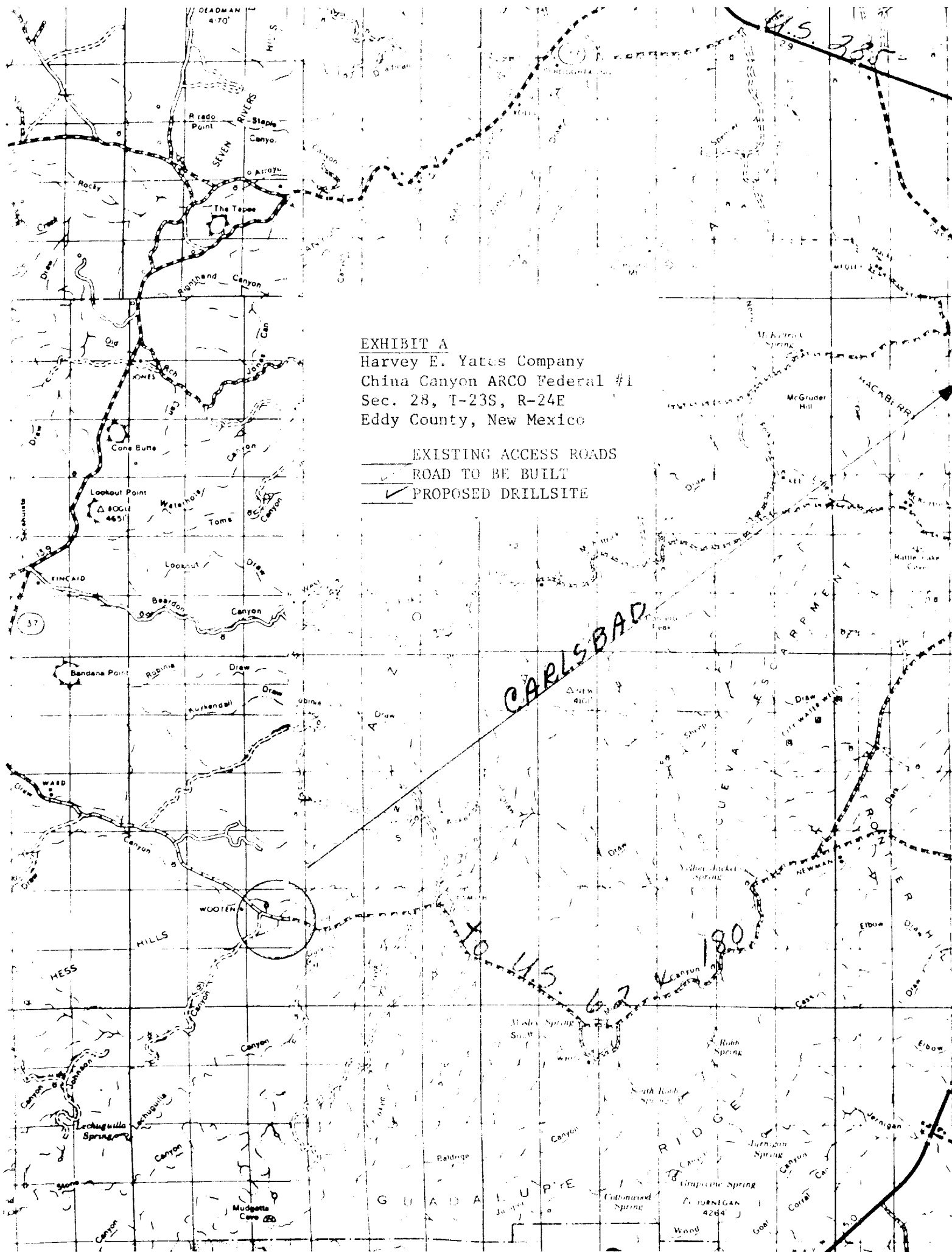
EXHIBIT A

Harvey E. Yates Company  
China Canyon ARCO Federal #1  
Sec. 28, T-23S, R-24E  
Eddy County, New Mexico

EXISTING ACCESS ROADS

ROAD TO BE BUILT

PROPOSED DRILLSITE



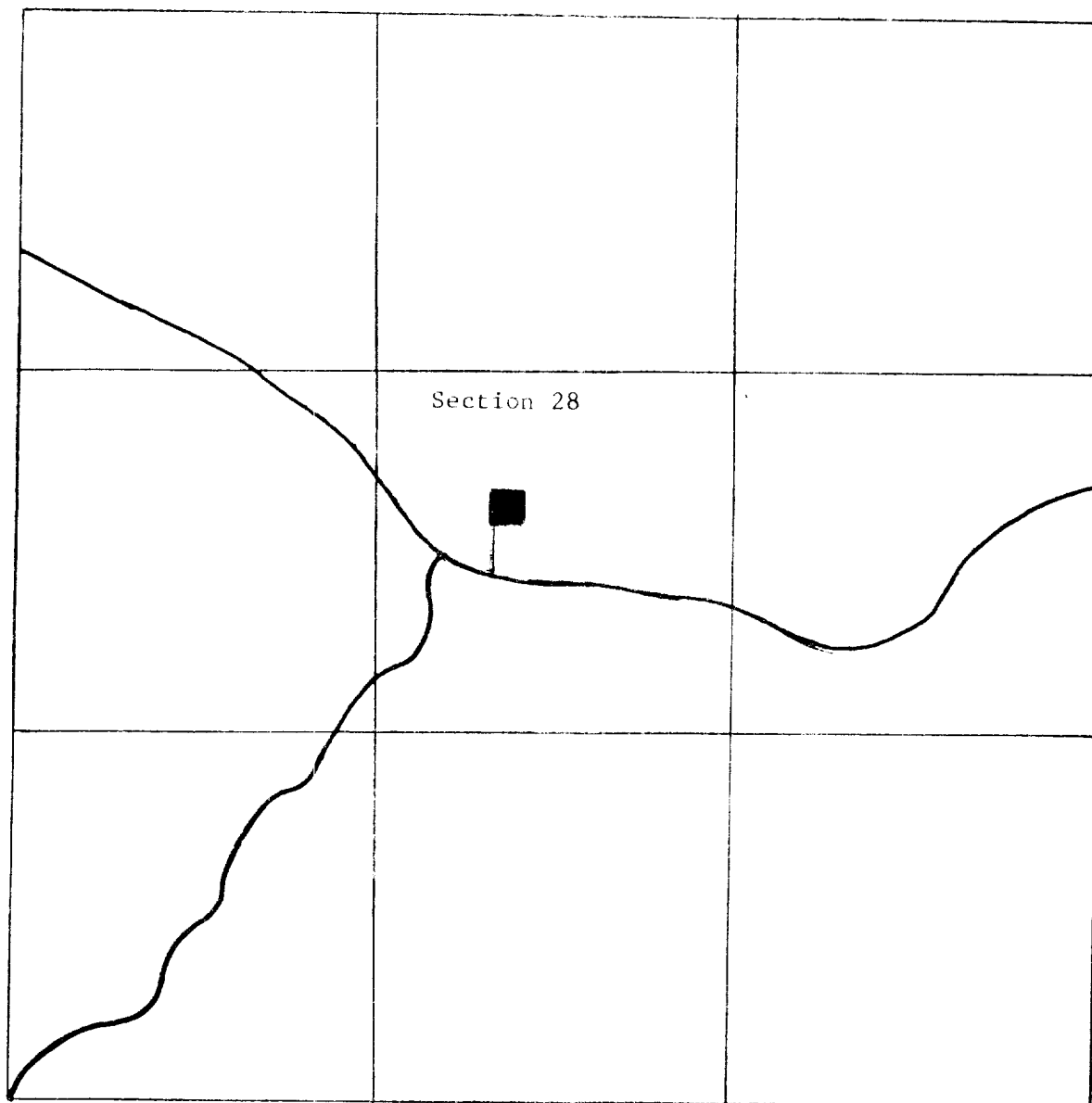


EXHIBIT B

Harvey E. Yates Company  
China Canyon ARCO Federal #1  
Sec. 28, T-23S, R-24E  
Eddy County, New Mexico

EXISTING ACCESS ROADS  
PROPOSED NEW ROAD  
PROPOSED DRILLSITE



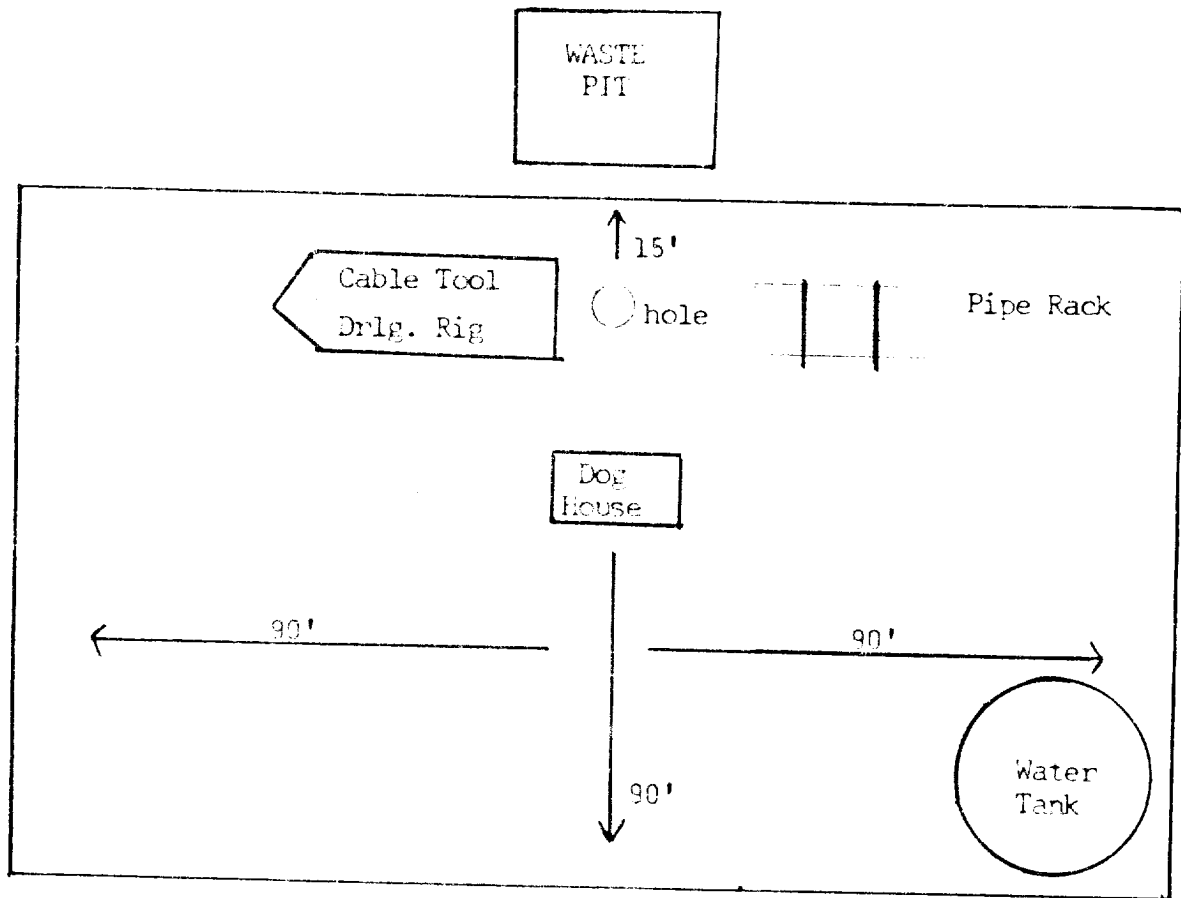


EXHIBIT C

Harvey E. Yates Company  
China Canyon ARCO Federal #1  
Sec. 28, T-23S, R-24E  
Eddy County, New Mexico



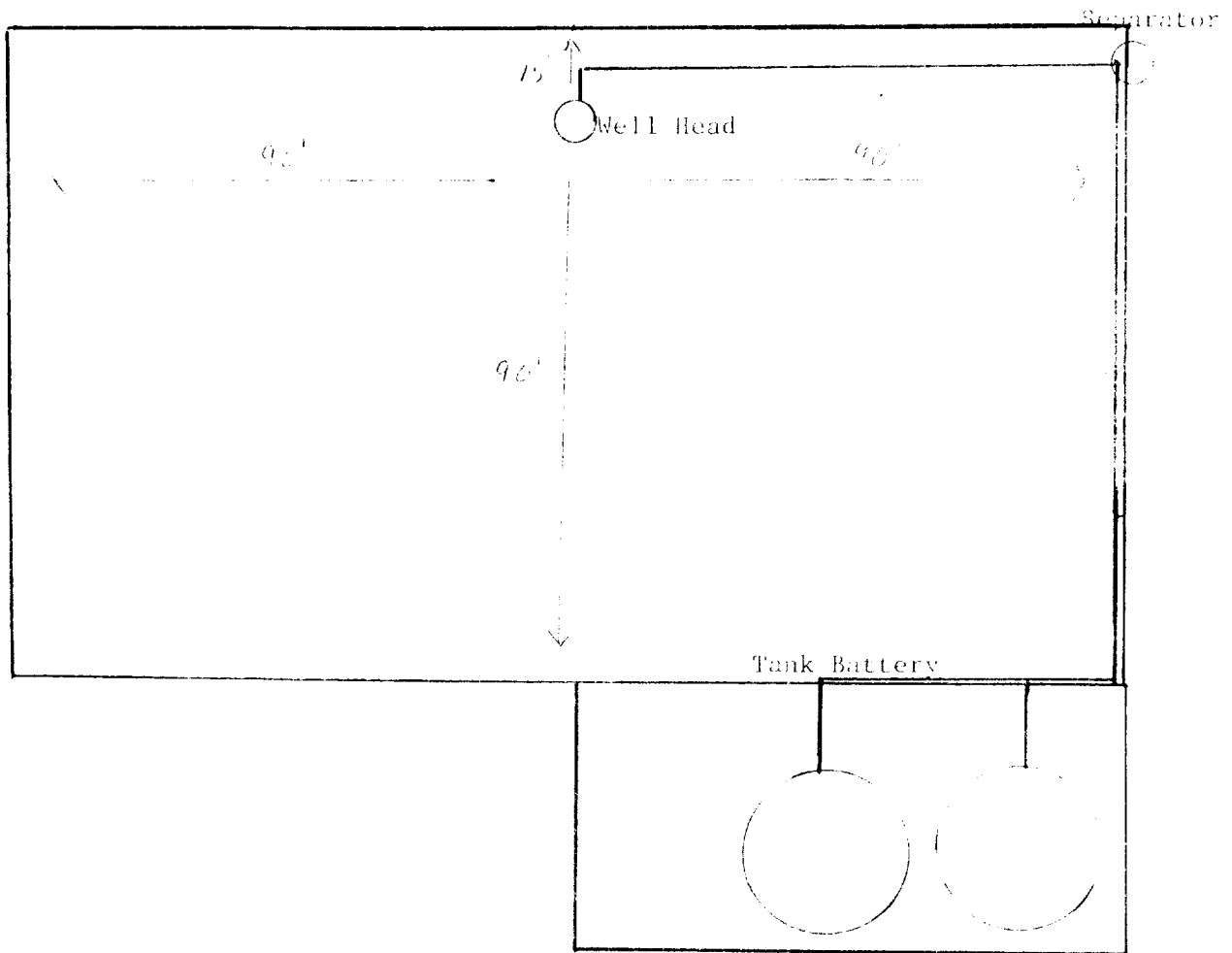


EXHIBIT D

Harvey E. Yates Company  
 China Canyon ARCO Federal #1  
 Sec. 28, T-23S, R-24E  
 Eddy County, New Mexico