

Form 9-331 C  
(May 1963)

SUBMIT IN TRIPLICATE\*

Form approved.  
Budget Bureau No. 42 R1425UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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, Inc.

## 3. ADDRESS OF OPERATOR

Suite 1000 Security National Bank Bldg., Roswell, N.M. 88201

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

At surface

1980' FNL &amp; 1780 FEL

At proposed prod. zone

Same

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

19 Miles east of Artesia

## 16. DISTANCE FROM PROPOSED\*

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

1780'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

200'

## 16. NO. OF ACRES IN LEASE

1270.82

## 19. PROPOSED DEPTH

11,300'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3618' GL

## 22. APPROX. DATE WORK WILL START\*

April 15, 1977

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT*
15"	12 3/4"	34#	360'	300 Sx
11"	8 5/8"	24#, 28#	3500'	300 Sx
7 7/8"	5 1/2"	17#	11,300'	Sufficient to cover producing intervals
	OR 4 1/2"	11.6#	11,300'	"

Mud Program: Fresh water system from surface to 8000'  
Cut brine system from 8000' - 10,500' 2% KCL  
Mud system 10,500' - 11,300' - 5% KCL, 6 cc water loss control,  
mud weight 9.2# per gallon, viscosity 34 - 36.

BOP Program: One Shaffer LWS hydraulic double 10" X 1500 series. One Shaffer  
Spherical 10" X 1500 Series. Choke manifold 4" X 1500 series  
flanged connections, Payne 4 valve accumulator closing unit.

This acreage is not dedicated to a pipeline purchaser

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 March 21, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APR 12 1977

R. L. CORMAN  
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS:  
EXPIRES JUL 1 1977

DATE

\*See Instructions On Reverse Side

# WELL LOCATION AND ACREAGE DEDICATION

Form G-1  
Superseded 1-1-66  
Effective 1-1-65

All distances must be from the corner boundary of the Section.

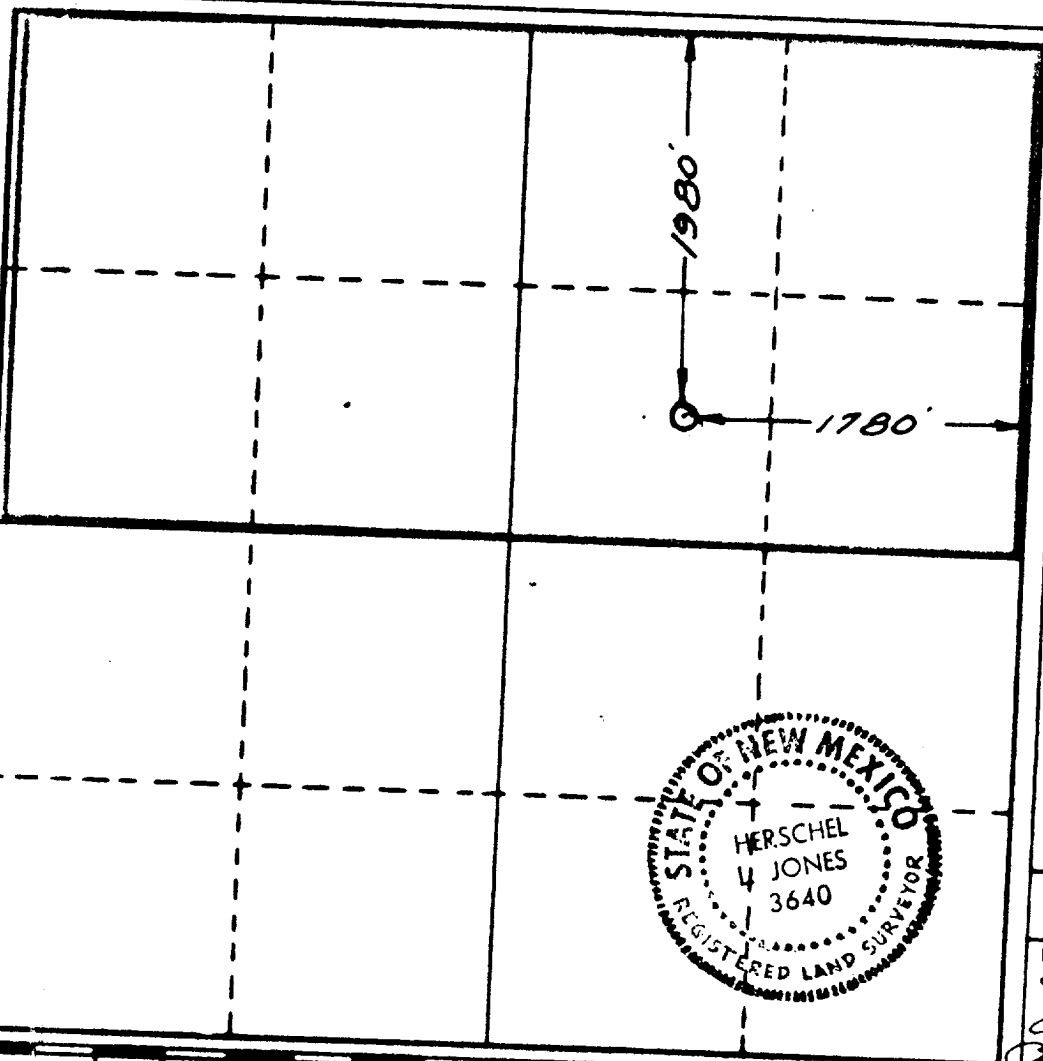
Operator <b>HARVEY E. YATES COMPANY, INC.</b>				Lease <b>Travis Deep Unit</b>		Well No. <b>2</b>
Unit Letter <b>W</b>	Section <b>13</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>		
Actual Footage Location of Well: <b>1980</b> feet from the <b>North</b> line and <b>1780</b> feet from the <b>East</b> line						
Ground Level Elev. <b>3618</b>	Producing Formation <b>Morrow</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>320</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Operating Agreement

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.

Name  
Position  
**Vice President**  
Company  
**Harvey E. Yates Co., Inc.**  
Date  
**March 21, 1977**

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  
**March 21, 1977**

Registered Professional Engineer and/or Land Surveyor

*Herschel H. Jones*  
Certificate No. **3640**

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000

## APPLICATION FOR DRILLING

Harvey E. Yates Company, Inc.  
Travis Deep Unit #2  
Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 13, Township 18S, Range 28E, Eddy County, New Mexico, Harvey E. Yates Company, Inc. submits the following ten items of pertinent information in accordance with the 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 KB measurement:

933'	Yates
1255'	Seven Rivers
1913'	Queen
2688'	San Andres
8228'	Wolfcamp
9358'	Cisco
9933'	Strawn
10,258'	Atoka
10,548'	Morrow
10,868'	Lower Morrow Sands
11,198'	Chester
11,300'	Total Depth

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

Wolfcamp at approximately 8228' - 8328'  
Cisco at approximately 9358' - 9458'  
Morrow at approximately 10,541' - 11,191'  
Total Depth 11,300'

4. Proposed casing program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit "D".
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Blowout Preventer.
8. Testing, logging and coring programs: Compensated Neutron Formation Density CNL, Dual Laterolog RXO. No coring is planned. Possible DST's in the Bone Spring, Wolfcamp, Cisco, Atoka and Morrow formations.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval (no later than April 15, 1977).

HARVEY E. YATES COMPANY, INC.  
Travis Deep Unit #2  
1980' FNL & 1780' FEL - Sec. 13, T-18S, R-28E  
Eddy County, New Mexico

RECEIVED  
MAR 22 1971  
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 approximately 19 miles east of Artesia. Travel east from Artesia on Highway 82 for approximately 14 miles. Turn south on Highway 360 for about 5 miles. At this point a gravel road intersects Highway 360. Turn southwest on this road and travel for approximately 1 mile. Another road (a portion of which we propose to improve) turns to the northwest. Travel on this road for approximately 1/2 mile. The proposed location is southwest approximately 1/8 mile (this is the balance of road we propose to improve).
- B. Exhibit "B" is a plat showing all existing roads in the area and the portion of road to the well site that is to be improved.
- C. The portion of lease road we propose to improve will be approximately 3/4 miles long and 12' wide. We propose to use compacted caliche 6" thick for the road and pad.

2. PLANNED ACCESS ROADS:

- A. No plans to build any new access roads since the above mentioned road runs along the northeast side of the proposed location.

3. LOCATION OF EXISTING WELLS:

- A. This section has numerous producing shallow wells and two dry holes, one of which is located 200' west of our proposed location. Detail on Exhibit "B".

4. LOCATION OF TANK BATTERIES, ETC.:

- A. There are tank batteries located in the NE/4 (Collier) and in the SW/4 (Anadarko). In the event that we drill a producing well, all production facilities will be located on the pad that will be built. We anticipate finding gas and will not require power lines to this location. Plat of production facilities on proposed pad are on Exhibit "E".

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be obtained from commercial sources.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. If caliche is needed, it will be hauled from a Federal pit located in SW/SW of Sec. 8, T-18S, R-29E.

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.

Harvey E. Yates Company, Inc.  
Travis Deep Unit #2  
Eddy County, New Mexico  
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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 hilly with caliche on surface.
- 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 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 rehabilitation 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 gently rolling sand and caliche hills with greasewood, mesquite and cacti. No wildlife was observed, but the inhabitants of this region are jackrabbits, reptiles, coyotes, etc.
- C. There are no ponds, lakes streams or rivers in the area, however, there is an arroyo west of the proposed location.
- E. There are no occupied dwellings or windmills in the area of the wellsite.
- F. 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:            Jim O'Briant  
                     O'Briant Engineering Company  
                     316 Building of the Southwest  
                     Midland, Texas 79701  
                     Office Telephone: 915-683-3172  
                     Mobile Telephone: 915-683-4044  
                     Home Telephone: 915-694-8907

Harvey E. Yates Company, Inc.  
Travis Deep Unit #2  
Eddy County, New Mexico  
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12. OPERATOR'S REPRESENTATIVES: (cont'd)

Drilling: Fred G. Yates  
Harvey E. Yates Company, Inc.  
Suite 1000 Security National Bank Building  
Roswell, New Mexico 88201  
Office Telephone: 505-623-6601  
Mobile Telephone: 505-623-0989 - Unit 4109  
Home Telephone: 505-622-5387

13. CERTIFICATION:

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, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Title

*F.G.Y.*

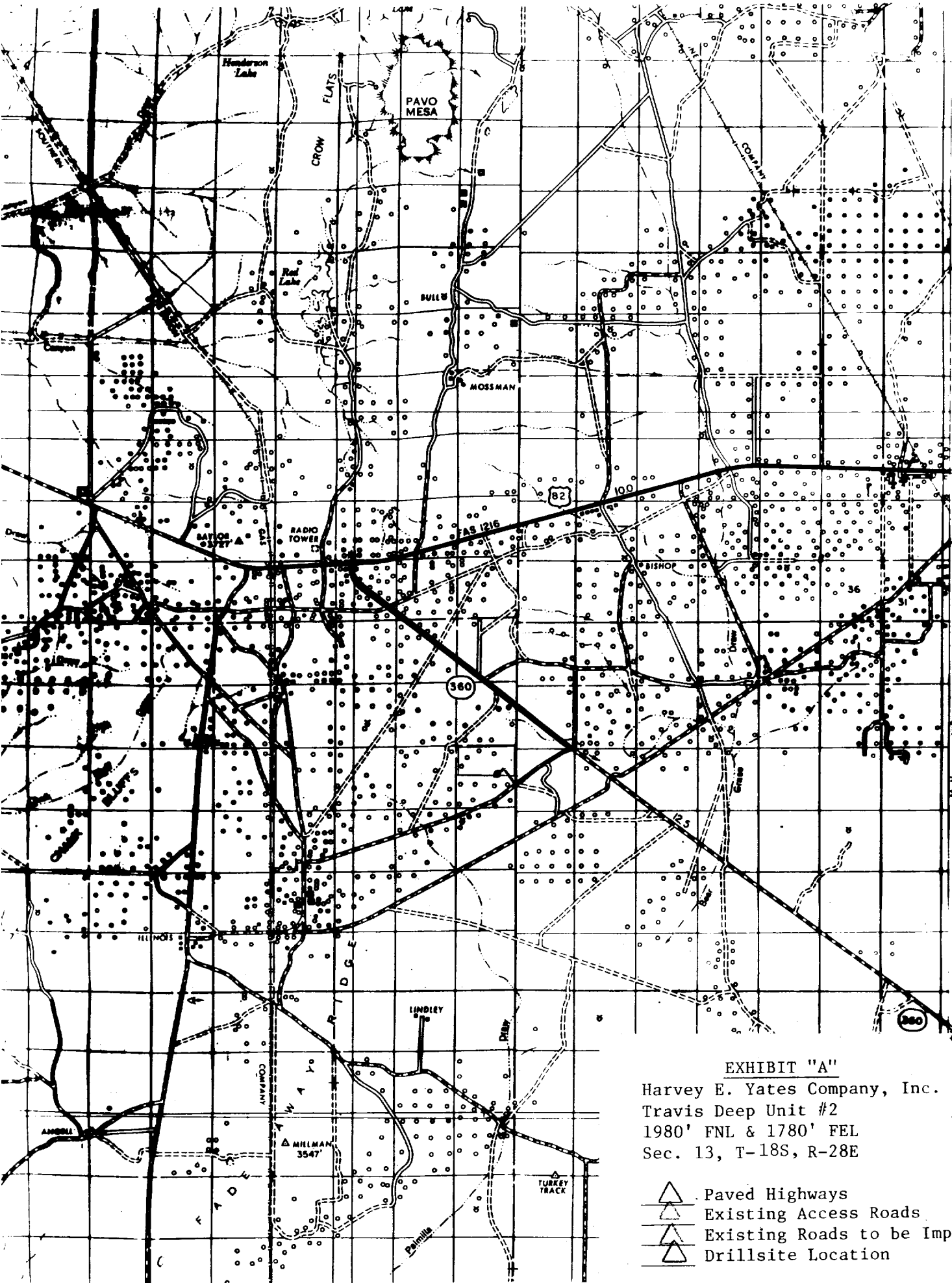




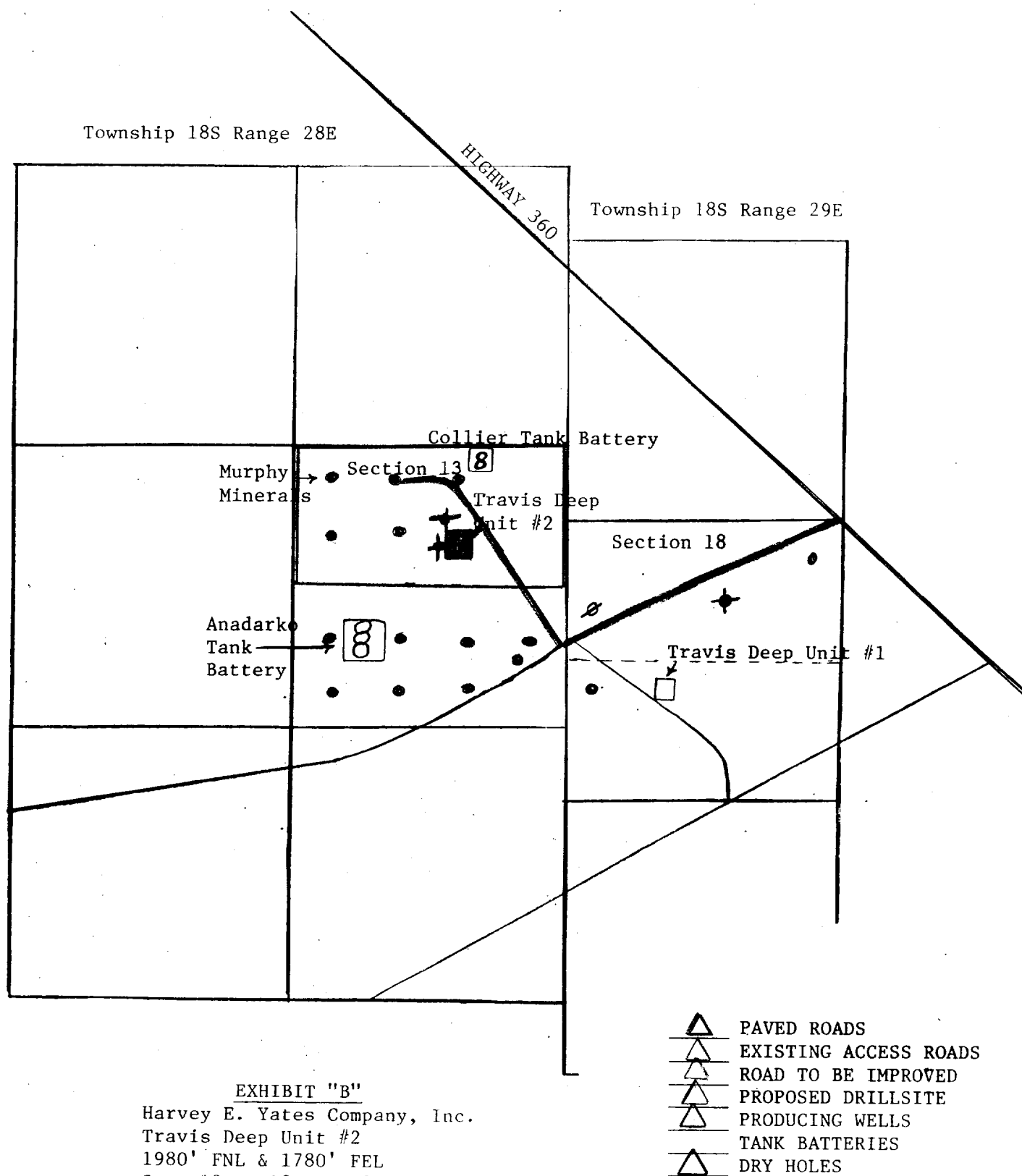


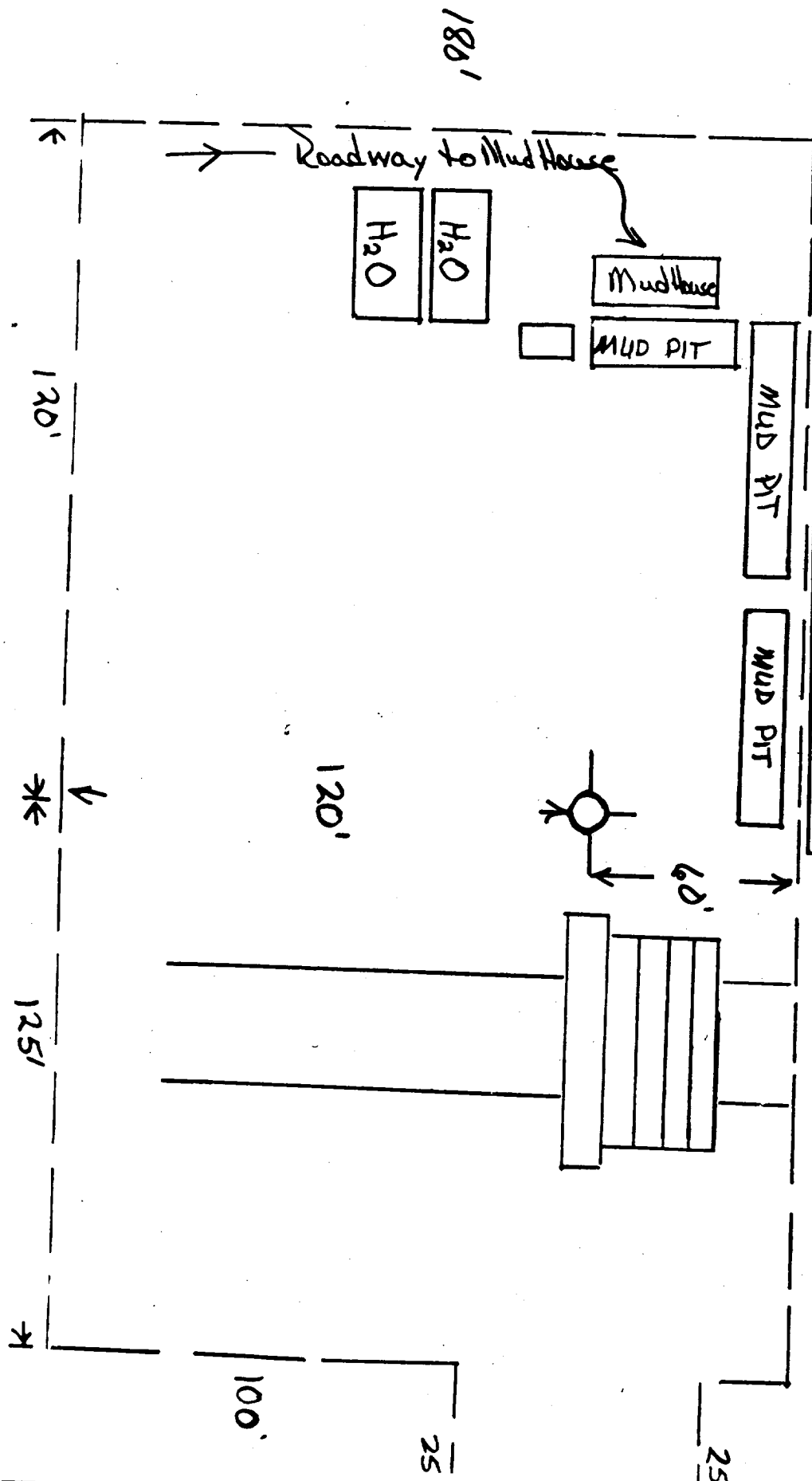
EXHIBIT "A"

Harvey E. Yates Company, Inc.  
Travis Deep Unit #2  
1980' FNL & 1780' FEL  
Sec. 13, T-18S, R-28E

-  Paved Highways
-  Existing Access Roads
-  Existing Roads to be Improved
-  Drillsite Location







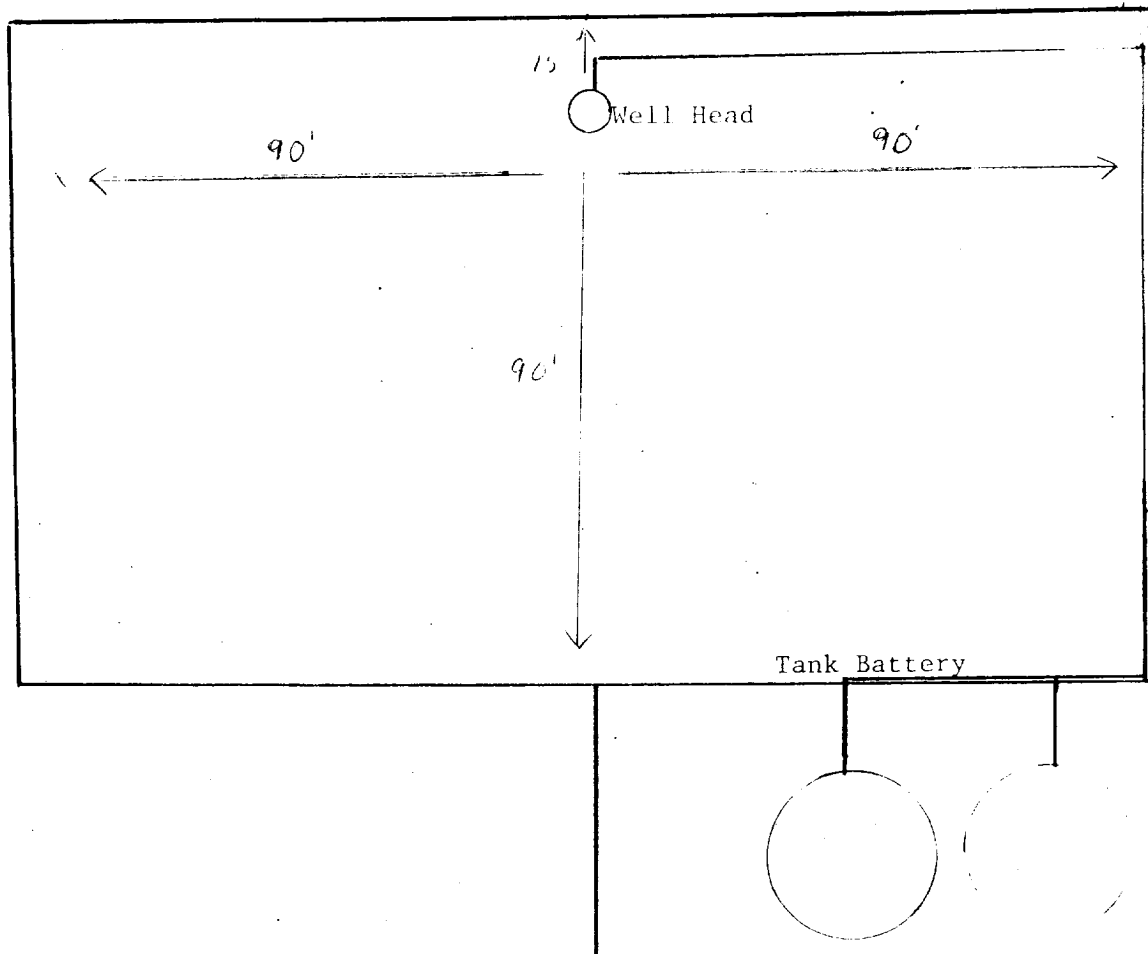


EXHIBIT "E"  
Harvey E. Yates Company, Inc.  
Travis Deep Unit #2

RECEIVED

MAR 31 1977

23 March 1977

C. C. C.

ATTENTION OFFICE

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Joe D. Ramey, Director  
Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

On behalf of our client, Harvey E. Yates Company, application is hereby made for administrative approval to permit the drilling of the Travis Deep Unit No. 2 Well, at a location 1,980 feet from the North line and 1,780 feet from the East line of Section 13 Township 18 South, Range 28 East, N.M.P.M., Eddy County, New Mexico, and to dedicate the N/2 of said Section 13 to the well. The preferred geological location for the well is 1,980 feet from the North and East lines of said Section 13, but this is the surface location for the plugged and abandoned Harvey E. Yates Travis No. 2 shallow well.

Attached hereto is a plat showing the ownership of all leases offsetting the N/2 of said Section 13, as well as the location of the existent topographical condition, viz., the plugged and abandoned well, upon which the application is based.

We are today sending all the offset operators copies of this letter by certified mail, and request that if they have no objection, the operators advise you of such fact and let me have a copy of their transmittal.

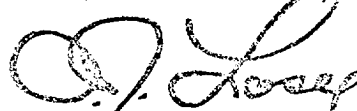
Mr. Joe D. Ramey, Director  
Oil Conservation Commission

28 March 1977

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Very truly yours,

LOSEE & CARSON, P.A.

A handwritten signature in dark ink, appearing to read "A. J. Losee". The signature is stylized with a large, looping initial "A" and a cursive "L".

A. J. Losee

ASL:jw  
Enclosure

cc w/enclosure: Murphy Minerals Corporation  
Mercury Production Company  
Depco, Inc.  
Yates Petroleum Corporation  
Harvey E. Yates Company

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