

NMOC COPY

SUBMIT IN TRIPLICATE*

(Other Instruc on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

3. NAME OF OPERATOR

Harvey E. Yates Company

4. ADDRESS OF OPERATOR

P. O. Box 1933, Roswell, New Mexico 88201

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

At surface

660' FEL 660' FSL

At proposed prod. zone

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

12 Miles south of Kenna, New Mexico

7. DISTANCE FROM PROPOSED*

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

660'

8. NO. OF ACRES IN LEASE

528.64

9. NO. OF ACRES ASSIGNED
TO THIS WELL

40

10. DISTANCE FROM PROPOSED LOCATION*

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

1320'

11. PROPOSED DEPTH

3800'

12. ROTARY OR CABLE TOOLS

Rotary

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

4230.4' GL

14. APPROX. DATE WORK WILL START*

March 14, 1978

15.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	23#	1350'	275 Sx - Circulate
7 7/8"	4 1/2"	9.5#	3800'	275 Sx - Base of Salt

BOP: Schaffer type E 10" Series 900 Hydraulic Blowout Preventer will be used.

Mud Program: Fresh water native mud to 3450', muc system from 3450' to TD.
34 - 36 viscosity, 10cc water loss control.RECEIVED
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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 Paul E. Yates TITLE Vice President DATE February 21, 1978
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAR 14 1978

APPROVED BY

TITLE ACTING DISTRICT ENGINEERDATE MAR 14 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUN 14 1978

*See Instructions On Reverse Side

Q-100

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OIL CONSERVATION COMM.
HOBBS, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator Harvey Yates Co.			Lease Rebecca Crosby			Well No. 2		
Unit Letter P	Section 31	Township 7 South	Range 31 East	County Chaves				
Actual Footage Location of Well: 660 feet from the East line and 660 feet from the South line								
Ground Level Elev 4230.4	Producing Formation San Andres		Pool Cato-San Andres			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 owner (to the best of your knowledge) 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 _____

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.

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**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

CERTIFICATION

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

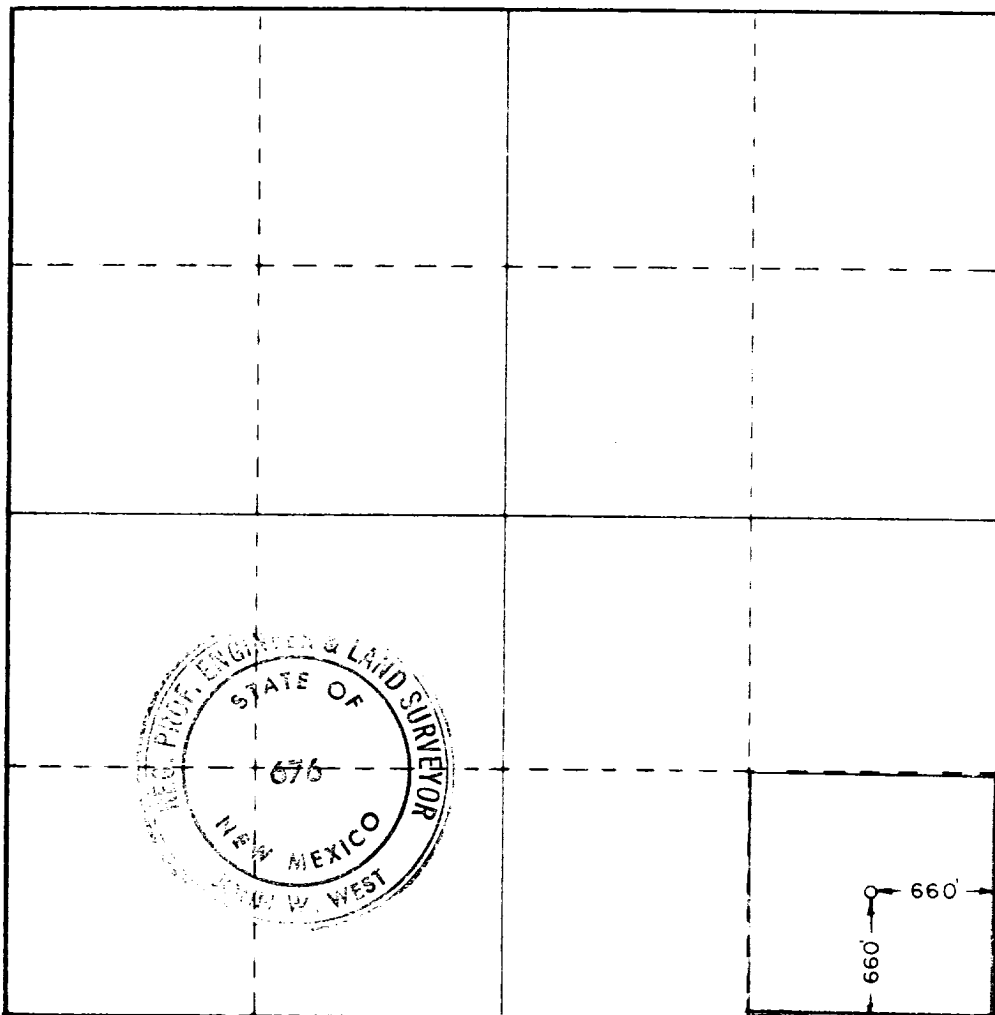
Name
Harvey Yates
Position
Vice President
Company
Harvey E. Yates Company
Date
February 20, 1978

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
2/18/78

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **John W. West 676**



660'
660'

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

APPLICATION FOR DRILLING

Harvey E. Yates Company
Rebecca Crosby #2
Sec. 31, T-7S, R-31E
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 31, Township 7S, Range 31E, Chaves 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:

Rustler	1288'
Salt	1312'
Yates	1790'
Seven Rivers	1965'
Bowers	2286'
Queen	2445'
San Andres	2927'
Total Depth	3800'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water - at approximately 100' or less
Oil - San Andres at approximately 3500' - 3800'.
4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: See Form 9-331C and Exhibit E.
6. Mud program: See Form 9-331C.
7. Auxiliary equipment: Blowout Preventer.
8. Testing, logging and coring programs: Sidewall Neutron Density, Dual Laterolog RXO. No coring is planned. Possible DST in the San Andres.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval, but no later than March 14, 1978.

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SURFACE USE PLAN

Harvey E. Yates Company
Rebecca Crosby #2
Sec. 31, T-7S, R-31E
Chaves County, New Mexico

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**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. Travel from Roswell on U. S. Highway 70 approximately 25 miles north-east towards Kenna, New Mexico. At this time you should come to a road that is commonly known as Railroad Mountain Road. Turn onto this road and travel for about 15 miles and you will come to a road that intersects Railroad Mountain Road. Turn south on this road and travel 1 1/2 miles, turn east and continue about 2 1/2 miles (a little over 1000' east of the Exxon Federal #3 location) and turn north on the road to the Exxon Federal #2.

2. PLANNED ACCESS ROADS:

- A. Please refer to Exhibit B on which proposed new road is color coded green. This proposed new road will go 1/4 mile due north from the Exxon Federal #2 location and then 1/2 mile due east (this will take you past the Rebecca Crosby #1 proposed location). The road will be 12' X 6" compacted caliche and the caliche for the construction of the road will be obtained from a private pit owned by Emmet McCombs located in NE/SE Section 6.

3. LOCATION OF EXISTING WELLS:

- A. Exhibit B shows producing wells in the N/2 of Section 6. There are no wells, producing or dry, in Section 31.

4. LOCATION OF TANK BATTERIES, ETC.:

- A. Exhibit B shows the tank battery for the Exxon Federal wells located in Section 6, to the south of our proposed location.
- B. The production facilities to be installed in the event the proposed well is productive will be a complete tank battery. See Exhibit D.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be obtained from commercial sources.

6. SOURCE OF CONSTRUCTION MATERIAL:

- A. Caliche will be obtained from a private pit owned by Emmet McCombs located in NE/SE Section 6.

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.

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NOV 16 1976
OIL CONSERVATION COMMISSION
DENVER, CO.

8. ANCILLARY FACILITIES:

A. None required.

9. WELLSITE LAYOUT:

A. Please refer to Exhibit C on which is shown the configuration of WEK Drilling Rig #1. The well site will need no unusual amount of cut and fill. We do not plan to line reserve pits.

10. PLANS FOR RESTORATION OF THE SURFACE:

A. If the well is completed as a producing well, we will knock down pits and smooth out the surface. If not productive, in addition to the above, we will level the location.

11. OTHER INFORMATION:

A. The surface is owned by Emmet McCombs, Kenna, New Mexico with whom we have an agreement. We will be building part of the new road (portion due north from Exxon Federal #2 which is 1/4 mile and 1/8 mile due east) on surface owned by Dillard Nuckols with whom we also have an agreement.

B. There are no ponds, lakes, streams or rivers in the area.

C. There is no evidence of any archeological, historical or cultural sites in the area.

D. There are no occupied dwellings or windmills in the immediate area of the wellsite.

E. The topography consists of a relatively flat area with native grasses, etc. Usual wildlife for this area includes jackrabbits, reptiles, coyotes, etc.

12. OPERATOR'S REPRESENTATIVES:

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

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

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

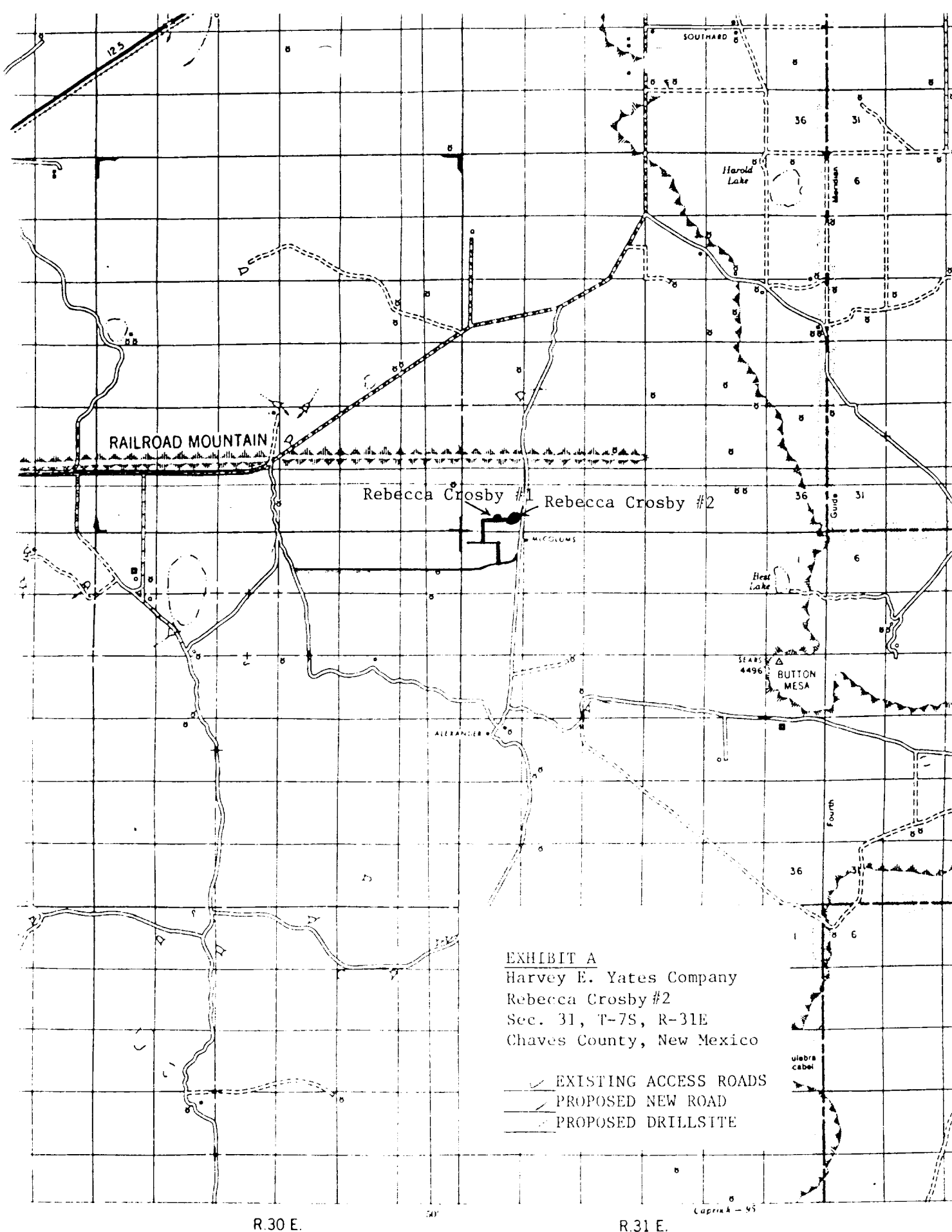
Surface Use Plan
Harvey E. Yates Company
Rebecca Crosby #2
Page 3

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

2/20/78
Date

Rebecca Crosby Vice President
Name and Title



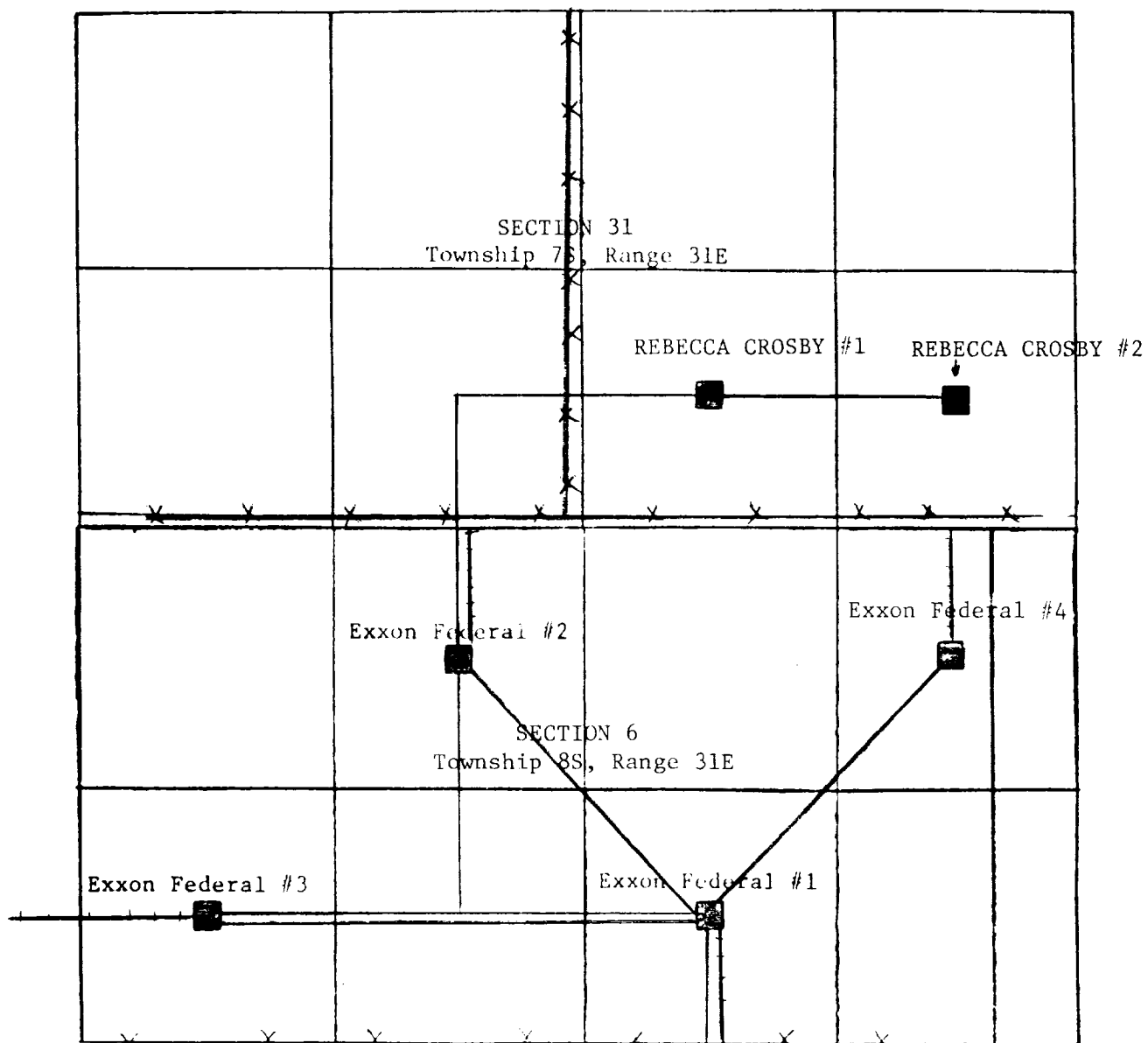


EXHIBIT B
Harvey E. Yates Company
Rebecca Crosby #2
Sec. 31, T-7S, R-31E
Chaves County, New Mexico

- EXISTING ACCESS ROADS
- ✓ ROAD TO BE BUILT
- ✓ PROPOSED DRILLSITE LOCATION
- ✓ PRODUCING WELLS
- ✓ POWERLINES
- ✓ FLOWLINES
- TANK BATTERIES
- ✓ FENCES

[illegible]

- ① Shale Pit 30' x 8'
- ② Mud Pit 20' x 8'
- ③ Suction Pit 30' x 8'
- ④ Reserve Pit 100' x 50'
- ⑤ Pump
- ⑥ Water Tank
- ⑦ Fuel Tank
- ⑧ Rig
- ⑨ Pipe Racks
- ⑩ Dog House
- ⑪ Cat Walk 60'
- ⑫ Stinger

EXHIBIT C

Harvey E. Yates Company
Rebecca Crosby #2
Sec. 31, T-7S, R-31E
Chaves County, New Mexico

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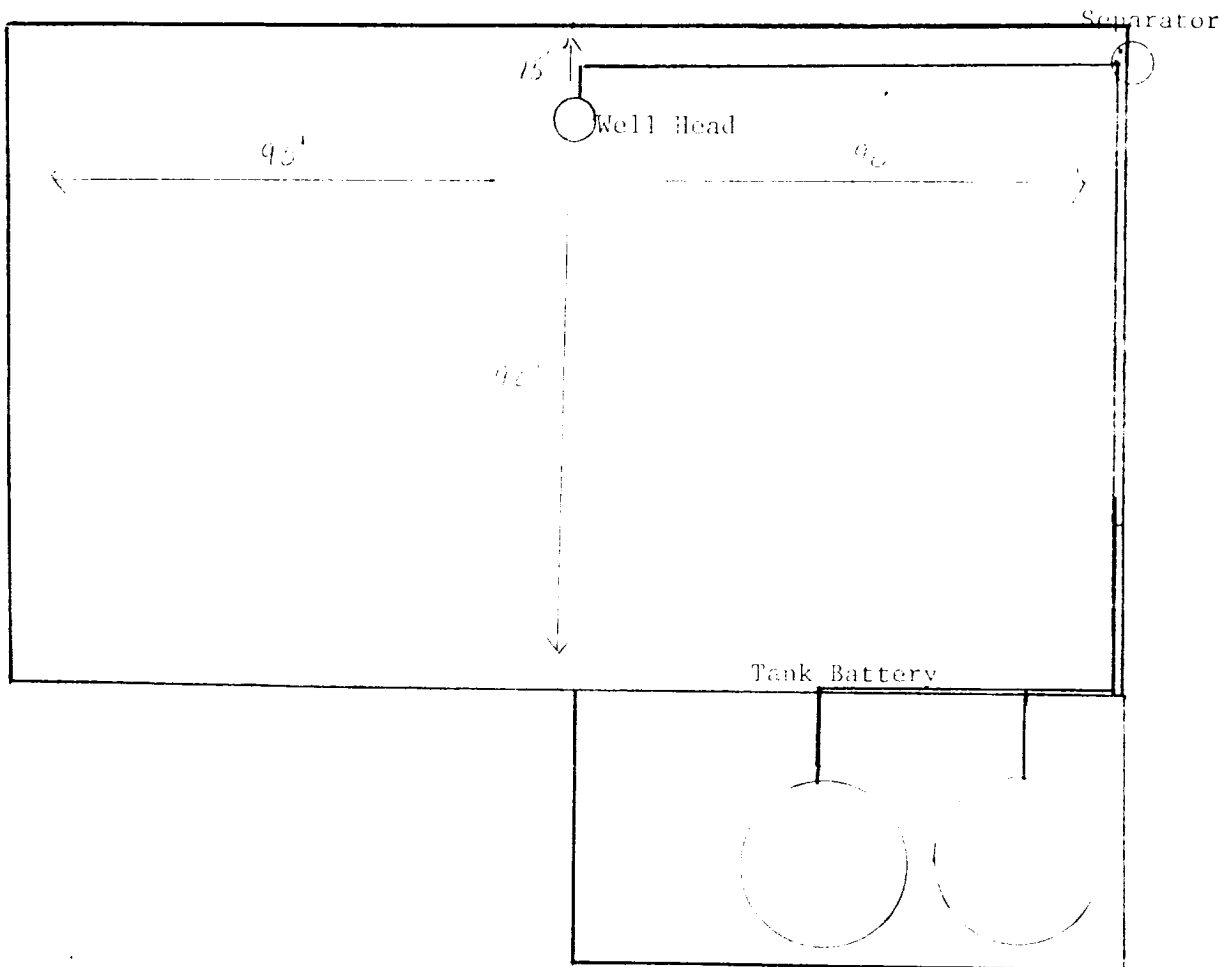


EXHIBIT D

Harvey E. Yates Company

Rebecca Crosby #2

Sec. 31, T-7S, R-31E

Chaves County, New Mexico

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900 Series

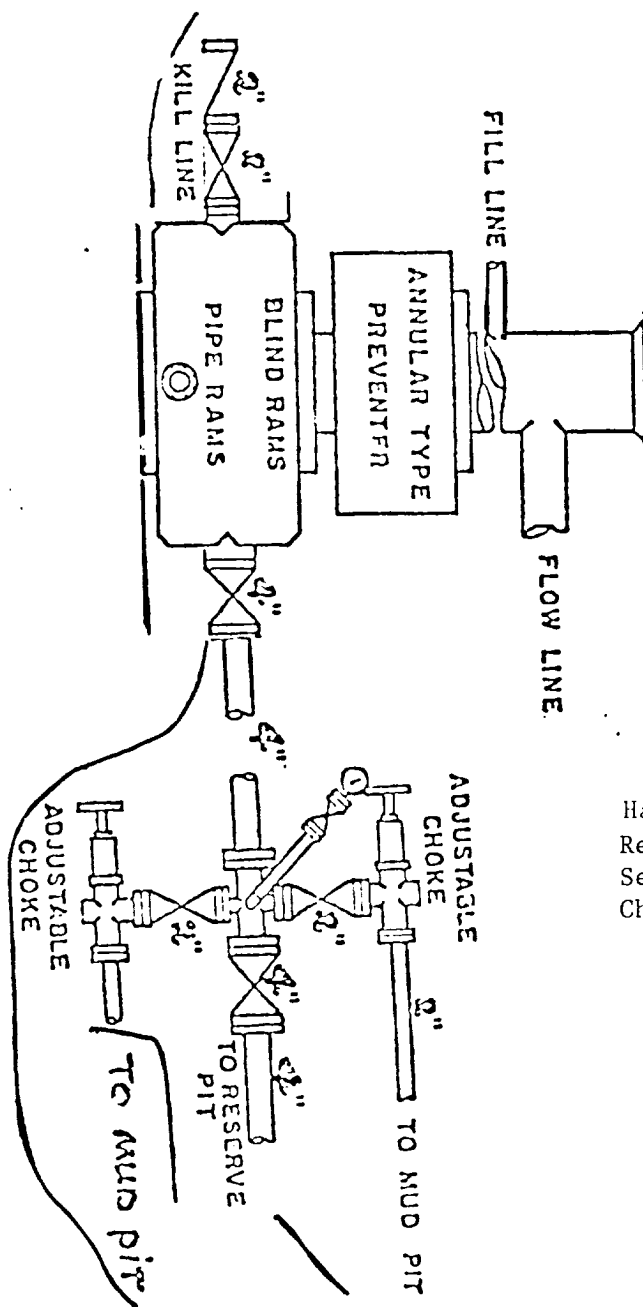


EXHIBIT "E"
 Harvey E. Yates Company
 Rebecca Crosby #2
 Sec. 31, T-7S, R-31E
 Chaves County, New Mexico

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