

NMOCG COPY

SUBMIT IN TRIPPLICATE*

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-7301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

East
Lake Arthur Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 29, T-15S, R-27E

12. COUNTY OR PARISH 13. STATE

Chaves N. M.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

4-1-78

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, N. M. 88201

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

At surface

660' FNL & 1980' FWL

At proposed prod. zone

Same

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

6 Miles east of Lake Arthur, New Mexico

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

280

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

2400'

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

3442.6' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	250'	150 Sx Circulate
7 7/8"	4 1/2"	10.5#	2400'	200 Sx

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

Mud Program: Fresh water native mud

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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

TITLE Vice President

DATE March 13, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAR 30 1978

APPROVED BY

TITLE ACTING DISTRICT ENGINEER

DATE MAR 30 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES JUN 30 1978

*See Instructions On Reverse Side

**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 Company			Lease East Amos Lake Arthur Fed.		Well No. 12
Unit Letter C	Section 29	Township 15 South	Range 27 East	County Chaves	
Actual Footage Location of Well: 1980 feet from the West line and 660 feet from the North line					
Ground Level Elev. 3442.6	Producing Formation San Andres		Pool Wildcat	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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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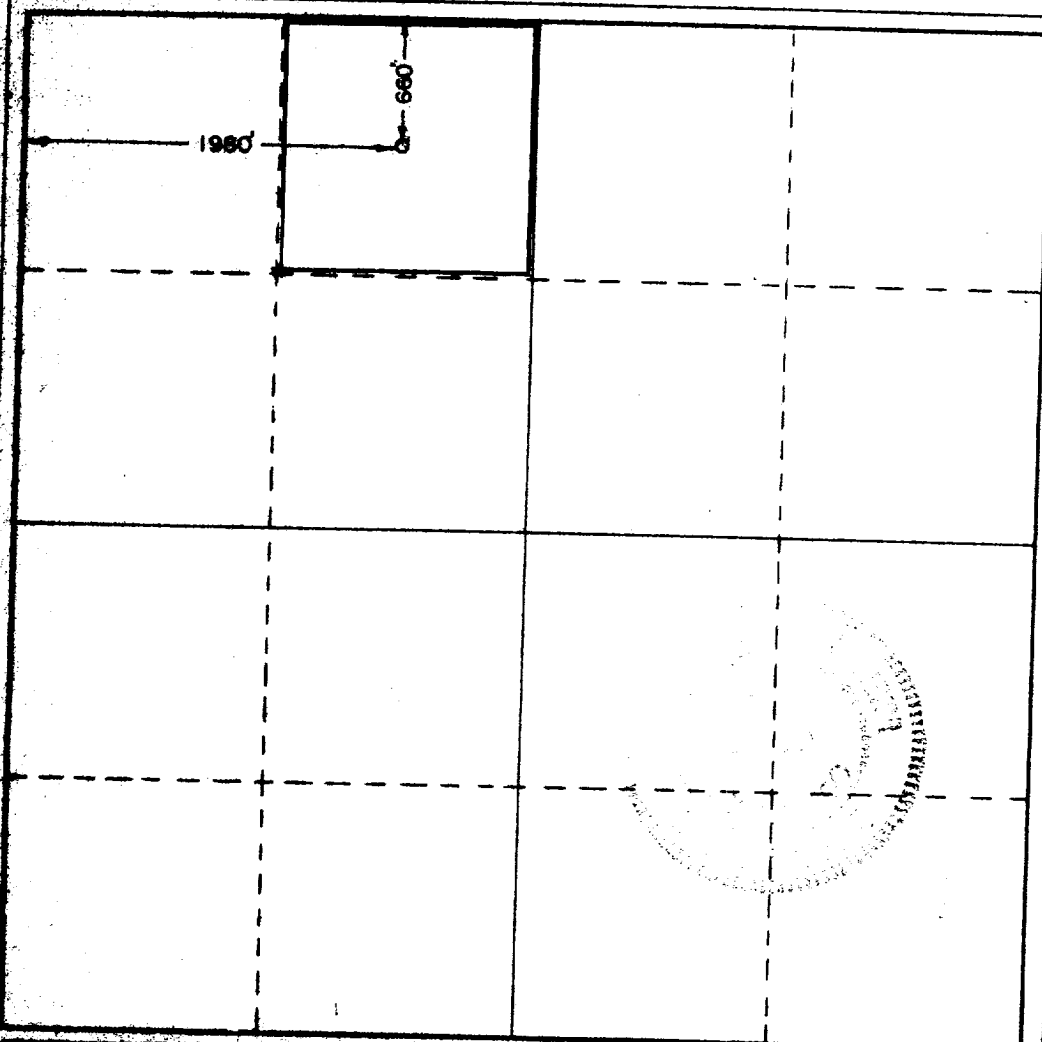
MAR 16 1978

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

☐ 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.



CERTIFICATION

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

Name
Paul G. Yates
Position
Vice President
Company
Harvey E. Yates Company
Date
March 13, 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
2/3/78
Registered Professional Engineer and/or Land Surveyor
Ronald J. Eidsen
Certificate No. **John W. West 676**
Ronald J. Eidsen 3239

APPLICATION FOR DRILLING

Harvey E. Yates Company
East ~~Amoco~~ Lake Arthur Federal #1 2
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill, subject well in Section 29, Township 15S, Range 27E, 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:

T-Seven Rivers	239
T-Bowers	494
T-Queen	627
T-Grayburg	964
T-San Andres	1295
Total Depth	2400

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

San Andres	1295
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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: No coring is planned. A DST is possible in the San Andres formation. Sidewall Neutron and Dual Laterolog logs will be run.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval but no later than April 1, 1978.

SURFACE USE PLAN

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HARVEY E. YATES COMPANY
East ~~Amoco~~ Lake Arthur Federal #1 2
Sec. 29, T-15S, R-27E
Chaves County, New Mexico

MAR 16 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 as staked. Travel east from Lake Arthur on New Mexico highway 507 until the paving ends, a distance of approximately 2.5 miles. This should be just across the Pecos River bridge. There is a gravel county road running east and west; turn east and go 1.5 miles and you will come to a Y; turn southeast at the Y and continue for 2.1 miles. At this point, you should come to an old lease road heading due north to Harvey E. Yates Company East Lake Arthur Federal #1 dry hole. Turn north and travel 7/10 miles. This portion of the old lease road will have to be watered, bladed and grid rolled.

2. PLANNED ACCESS ROADS:

A. Exhibit B is a plat showing existing roads in the area, the portion of road to be improved and the portion to be built. The new road will be 1320' in length, 12' wide and low spots filled with caliche. The caliche will be from a pit located approximately 4 miles south of our proposed location.

B. The road and location have been staked.

3. LOCATION OF EXISTING WELLS:

A. This section has no existing wells and one dry hole - East Lake Arthur Federal #1 (Pubco Petroleum Corp. dry hole).

4. LOCATION OF TANK BATTERIES, ETC.:

A. There are no tank batteries or any other type of production facilities on section 29. If productive, facilities will be as shown on Exhibit D.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water will be obtained from commercial sources - located approximately 8 miles north of our location.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for filling low spots will be obtained from an existing Federal pit located approximately 4 miles south of our location in NW/SW of Sec. 12, T-16S, R-27E.

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.

Surface Use Plan

Harvey E. Yates Company

~~Eastman~~ Lake Arthur Federal #1 2

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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, mud pits, reserve pit and location of rig on the pad.

B. The location of the wellsite is hilly and will require 5' cut and fill.

C. The pad and pit area have been staked.

10. PLANS FOR RESTORATION OF THE SURFACE:

A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite as pleasing to the eye as possible.

B. If the proposed well is not 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 wellsite and access route are located in a hilly area.

B. The topsoil at the wellsite is dirt and rock.

C. Vegetation is comprised of native grasses and scattered Grease Brush.

D. Wildlife consists of the usual inhabitants of this area and includes jack-rabbits, lizards, snakes, coyotes, etc.

E. There are no ponds, lakes, streams or rivers in the immediate area. The Pecos River is approximately 2 miles to the west of our proposed location.

F. A ranch house is located approximately 1 1/4 miles south of our location.

G. The wellsite is located on Federal surface. There is no evidence of any archaeological, historical or cultural sites in the vicinity of the location.

Surface Use Plan

Harvey E. Yates Company

~~East~~ Lake Arthur Federal #1 2

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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.

3/15/78

Date

Fred G. Yates

Vice President

Name and Title

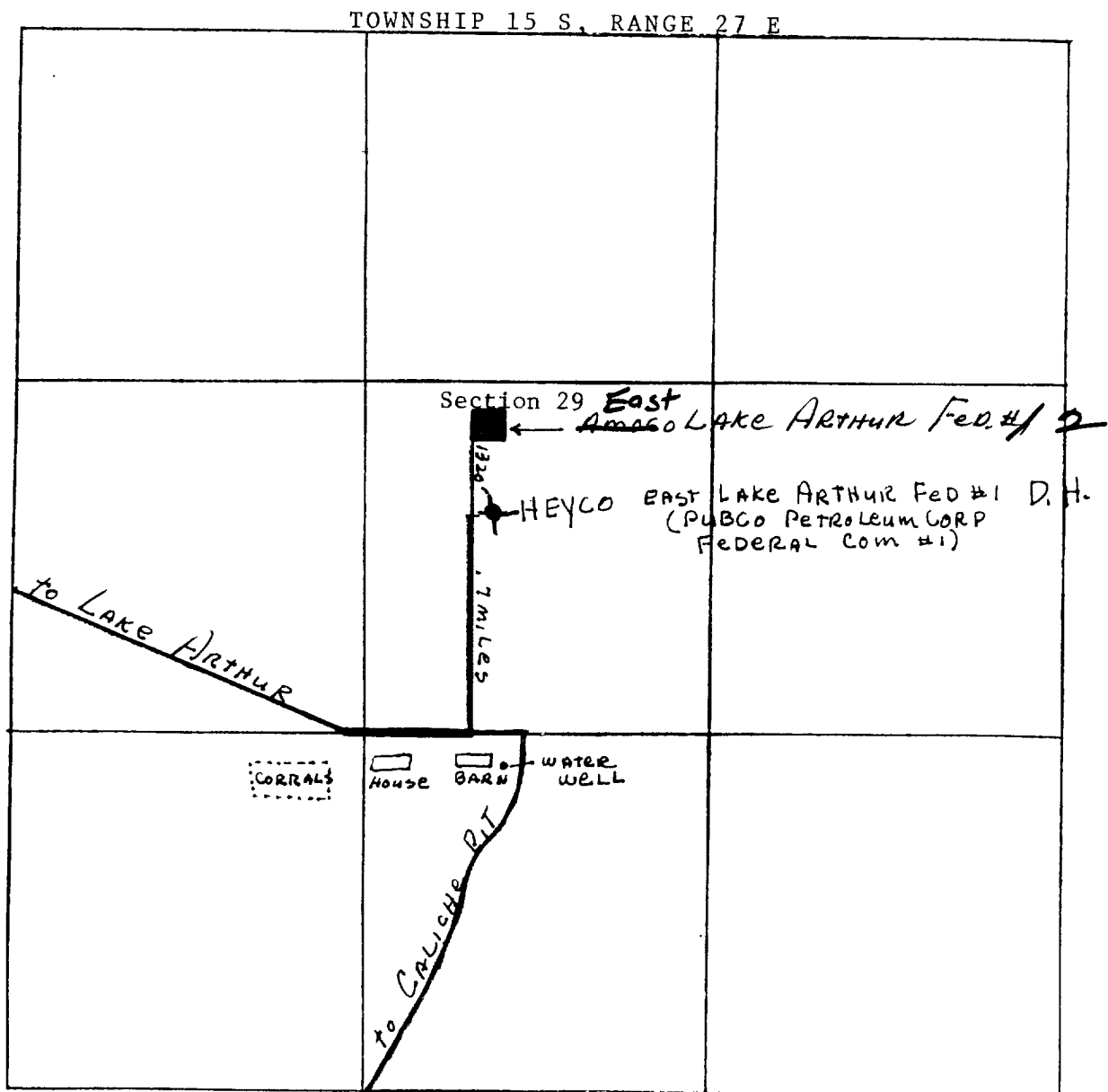





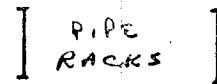
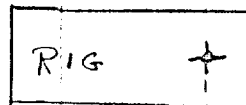
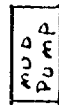
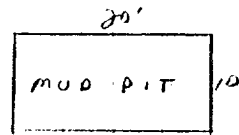
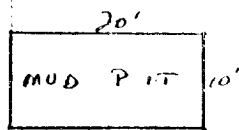
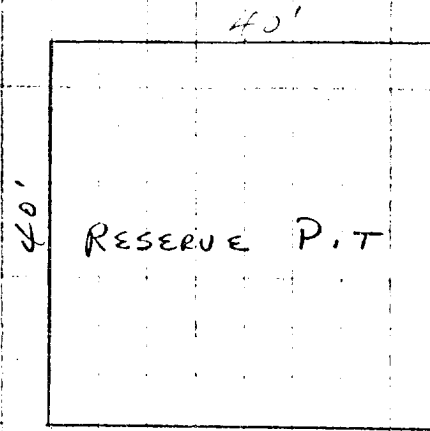


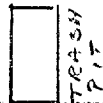
EXHIBIT B
Harvey E. Yates Company
East ~~Amoco~~ Lake Arthur Federal #1 2
660' /N 1980' /W
Chaves County, New Mexico

-  EXISTING ACCESS ROADS
-  PORTION OF ROAD TO BE IMPROVED
-  PORTION OF ROAD TO BE BUILT
-  DRY HOLES
-  PROPOSED DRILLSITE

✓ - SCALE 1" = 20'



135'



DRILLING PAD - LEVELLED AND CALICHO

200'

PITS WILL BE DUG TO COVER GARBAGE AND TRASH, WHICH WILL BE KEPT IN CONTAINERS UNTIL WELL IS COMPLETED.

C.E. LaRue and D.N. Muncy, Jr.

EXHIBIT C

Harvey E. Yates Company

Lake Arthur Federal #1

Chaves County, New Mexico

Eastman

12

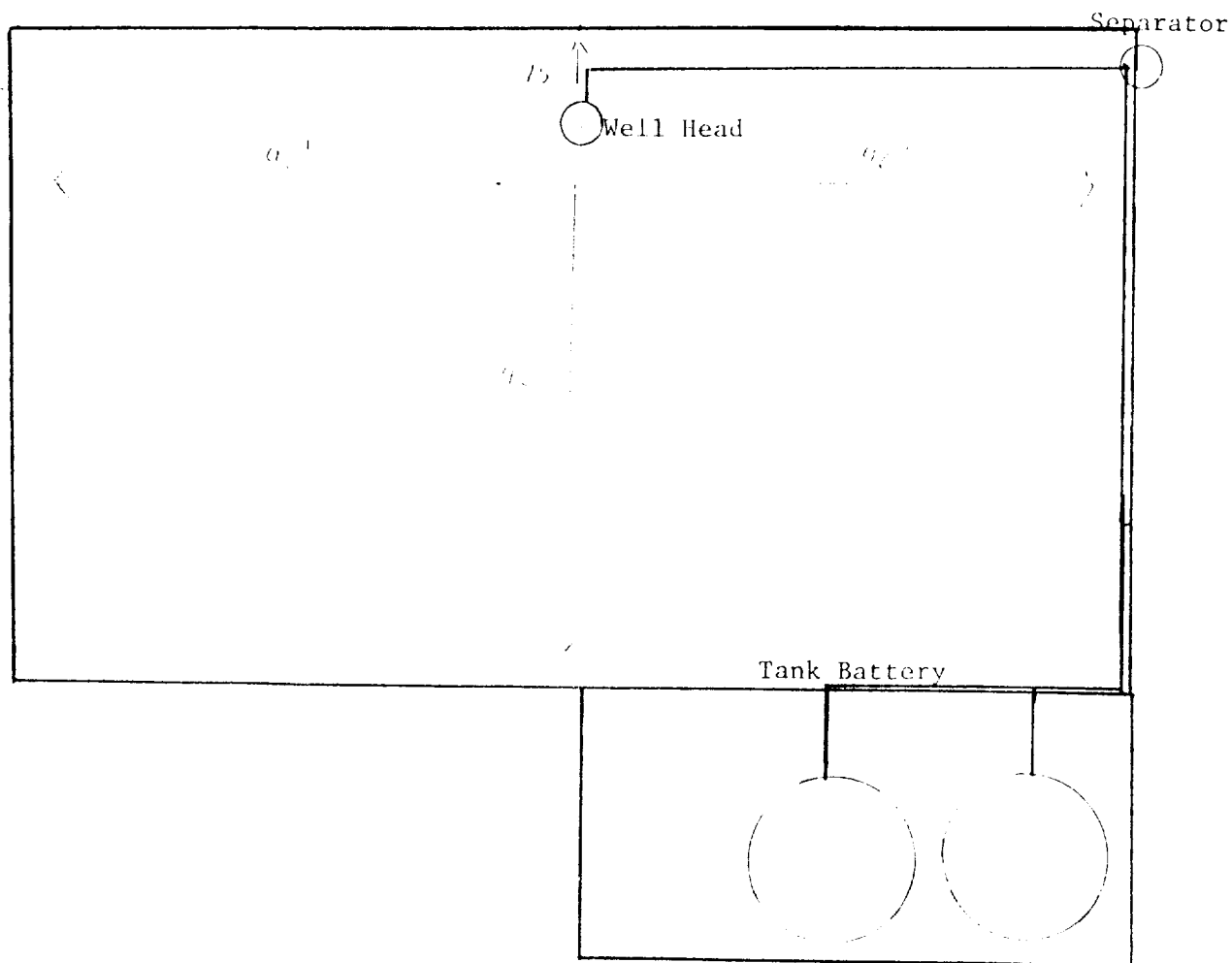


EXHIBIT D

Harvey E. Yates Company

East ~~Lake~~ Lake Arthur Federal #1 2

Sec. 29, T-15S, R-27E

Chaves County, New Mexico

Diagram illustrating a wellhead assembly with various valves and lines:

- Top Section:**
 - KILL LINE** (left)
 - FLOW LINE** (right)
 - FILL LINE** (center)
- Central Section:**
 - ANNULAR TYPE PREVENTER** (left)
 - BLIND RAMS PIPE RAMS** (center)
- Bottom Section:**
 - ADJUSTABLE CHOKE** (left)
 - ADJUSTABLE CHOKE** (right)
 - TO MUD PIT** (left)
 - TO RESERVE PIT** (right)

The diagram shows various pipe sizes (2", 4", 6") and valve symbols throughout the assembly.

Harvey E. Yates Company
~~Amoco~~ Lake Arthur Federal
 Sec. 29, T-15S, R-27E
 Chaves County, New Mexico

Sec. 29, T-15S, R-27E
Chaves County, New Mexico