

UNITED 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

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

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

At surface

2500' FEL & 2500' FNL (Unit Letter G)

At proposed prod. zone

2500' FEL & 2500' FNL (Unit Letter G)

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

13 miles East

15. DISTANCE FROM PROPOSED*

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

140' to Lease Line

16. NO. OF ACRES IN LEASE
4,184.86 Federal
7,154.29 State18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. from EAU J19

Approx. 670'

19. PROPOSED DEPTH
6250'17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3635.7' GR

22. APPROX. DATE WORK WILL START*

5-19-75

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" OD	24# K-55	1000'	375 Sx. Circ.
7-7/8"	5-1/2" OD	14# K-55	6250'	1050 Sx. Circ.

Propose to drill an oilwell to develop the Abo Reef formation within the Empire Abo Unit boundaries in order to decrease gas voidage and maintain oil production.

Unorthodox well location approved by Administrative Order NSL-706 under the provisions of Rule 14 of Order No. R4549B.

BOP to be installed as per attached diagram

MAY 26 1975

O. C. C.
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MAY 19 1975

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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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth. If proposal is to install a new productive zone, give pertinent data on subsurface locations and measured and true vertical depth. If proposal is to install a new preventive program, if any.

24.

SIGNED

TITLE

District Drilling Supervisor

DATE

5-16-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES AUG 23 1975

DECLARED WATER BASIN
CEMENT BEHIND THE
CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO
WITNESS CEMENTING THE CASING

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-12
Supersedes O-12A
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Lessee Atlantic Richfield Company		Lease Empire Abo Unit "J"		Well No. 191
Section G	Range 1	Township 18 South	Range 27 East	County Eddy
Actual Surface Location of Well 2500 feet from the East line and 2500 feet from the North line		Ground Elevation 3635.7		
Producing Formation Abo Reef		Field Empire Abo		Dedicated Acreage 40

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership interest and royalty.
- 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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O. C. C.

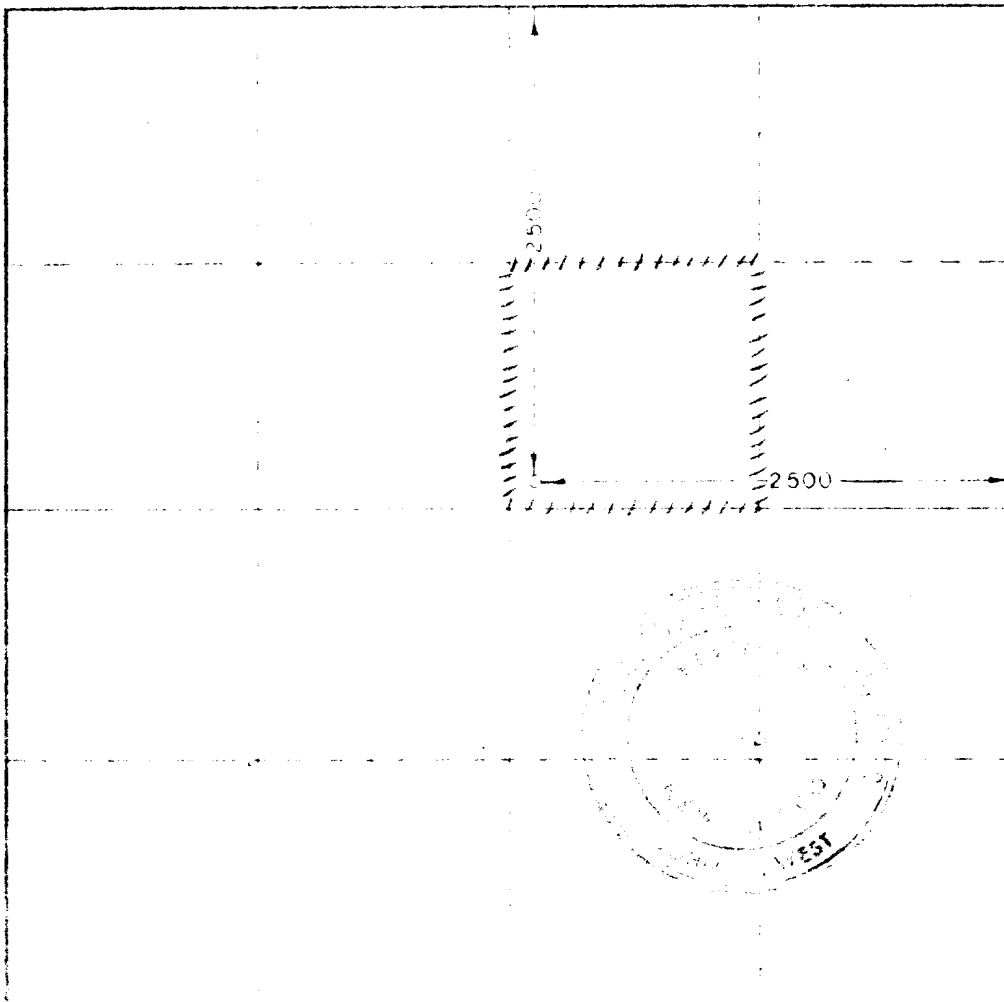
ARTESIA, OFFICE

☒ Yes ☐ No If answer is "yes" type of consolidation

Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary)

No allowance will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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.

[Signature]

District Drilling Supervisor

Atlantic Richfield Co.

5-16-75

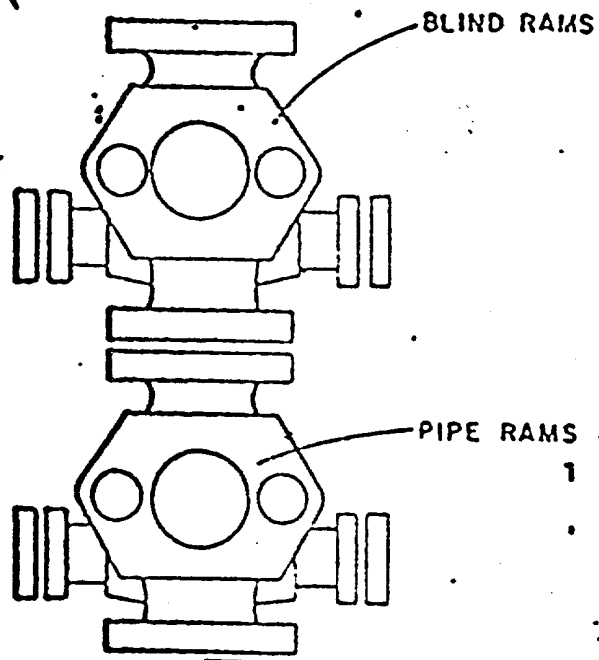
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MAY 19 1975

I hereby certify that the information shown on this plat was plotted from field notes of the U.S. Geological Survey under my supervision and the same is true and correct to the best of my knowledge and belief.

November 8, 1974

[Signature]



ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit J

Well No. 191

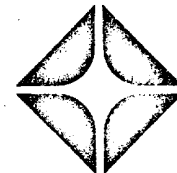
Location 2500' FEL & 2500' FNL, Sec. 1,
T-18S, R-27E, Eddy Co., N.M.

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ARTESIA, NEW MEXICO

BOP to be tested before installed on well and will be maintained in good working condition during workover. All wellhead fittings to be of sufficient pressure to operate in a safe manner.



May 16, 1975

U. S. Geological Survey
P. O. Drawer U,
Artesia, New Mexico 88210

RE: Application for Permit to Drill Empire Abo Unit J 191
2500' FEL & 2500' FNL (Unit Letter G)
Section 1- T18S-R27E, Eddy Co., New Mexico

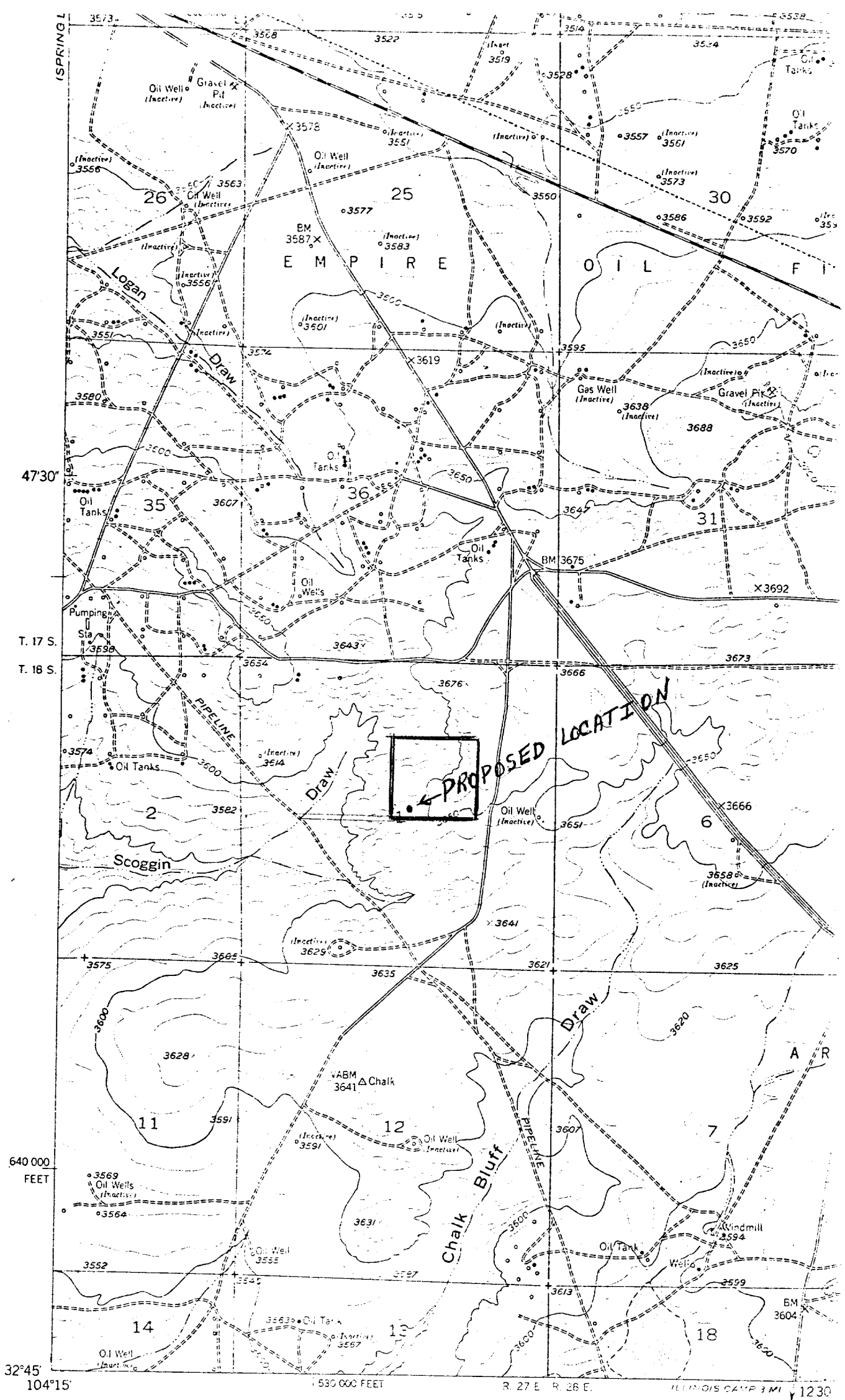
1. We will exit off U. S. Highway 82 south approximately 13 miles east of Artesia, New Mexico. Attached is Exhibit #1 on which proposed location in Section 1 has been indicated and existing roads.
2. Planned access roads:
None Planned
See Exhibit #1.
3. Location of existing wells:
See Exhibit #2.
4. Lateral roads to well locations:
Will use existing lateral roads.
See Exhibit #1.
5. Location of Tank Battery:
See Exhibit #4.
6. Location and type of water supply:
Water to be purchased from city of Carlsbad. (Water line running through Empire Abo Unit).
7. Methods for handling waste disposal:
Solid waste will be buried on location.
8. Location of camp:
No camp proposed.
9. Location of airstrip:
No airstrip proposed.
10. Location of layout to include position of the rig, mud tanks, reserve pits, pipe racks, etc:
Rig drilling mat attached
See Exhibit #3 attached.

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ARTESIA, NEW MEXICO

May 16, 1975

11. Plans for restoration of the surface:
Graded and levelled to contour of surrounding area.
12. Any other information that may be used to evaluate the impact on environment:
The area is generally level and of barren surface vegetation. No impact of significance to environment.

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Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Culture and drainage in part compiled from aerial photographs
taken 1946. Topography by plane-table surveys 1955

Polyconic projection. 1927 North American datum
10,000-foot grid based on New Mexico coordinate system,
east zone

All oil wells shown inactive are dry, closed, or abandoned

SCALE - 1" = 2000'

EXHIBIT #1

TRUE NORTH
MAGNETIC NORTH

APPROXIMATE MEAN

ILLUSTRATION NORTH

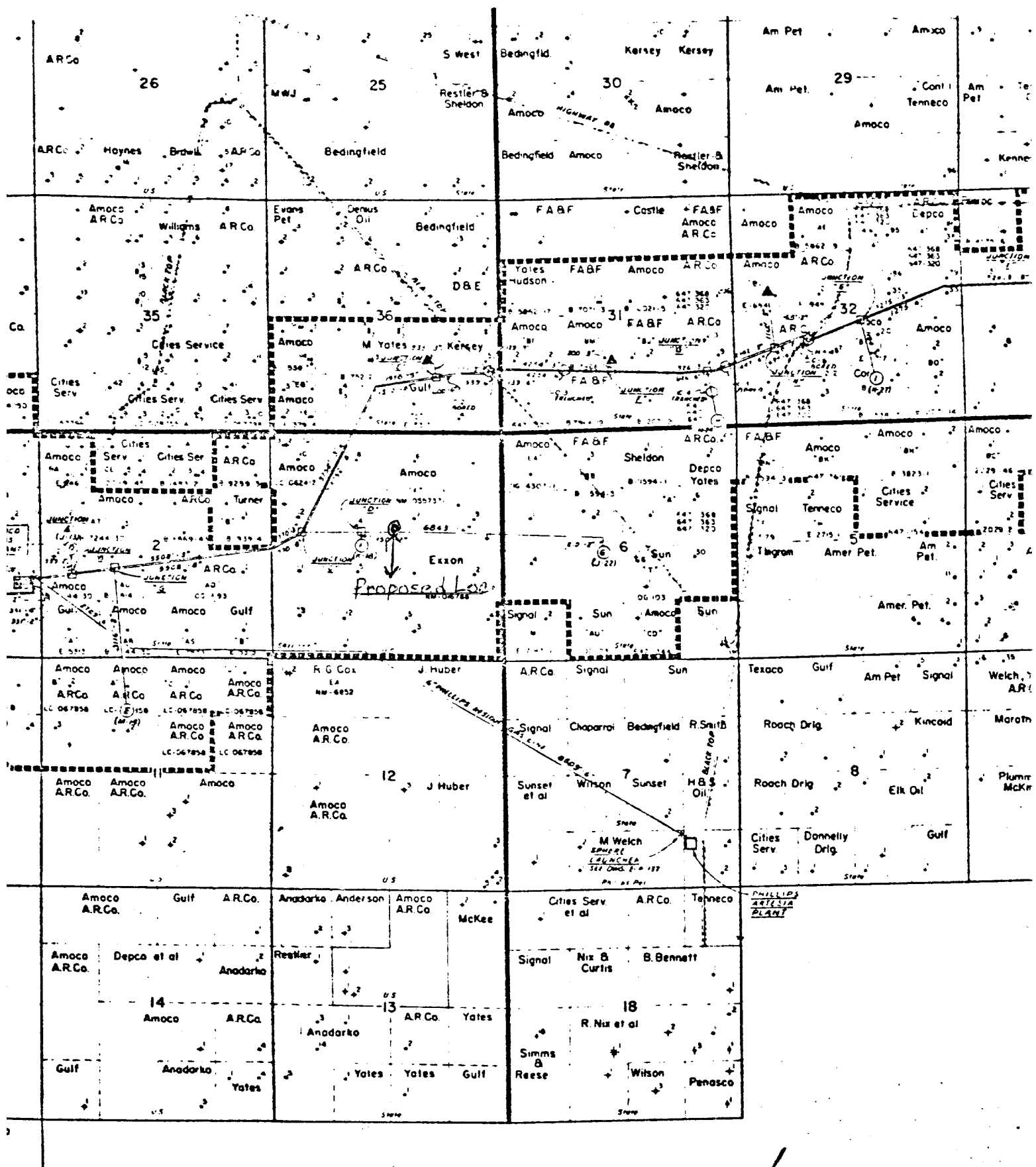


EXHIBIT #2

LEGEND

- OIL
- GAS
- PLUG PRODUCTION
- API HOLE
- INJECTION
- PRODUCTION INJECTION
- PRODUCTION UNIT ACQUISITION
- TANK BATTERY
- INJECTION WELL
- INJECTION UNIT FACILITIES
- PRODUCTION UNIT FACILITIES
- HIGHWAY & BLACK TOP ROAD
- ROAD CROSSINGS
- INJECTION FACILITIES



Atlantic Pacific Petroleum Company
 4000 Broadway Building
 New York, New York 10018

EMPIRE ABO FIELD
 EDDY COUNTY, NEW MEXICO

GAS INJECTION, FIELD OF
 PHILLIPS ARTESIA PLANT

DATE: _____

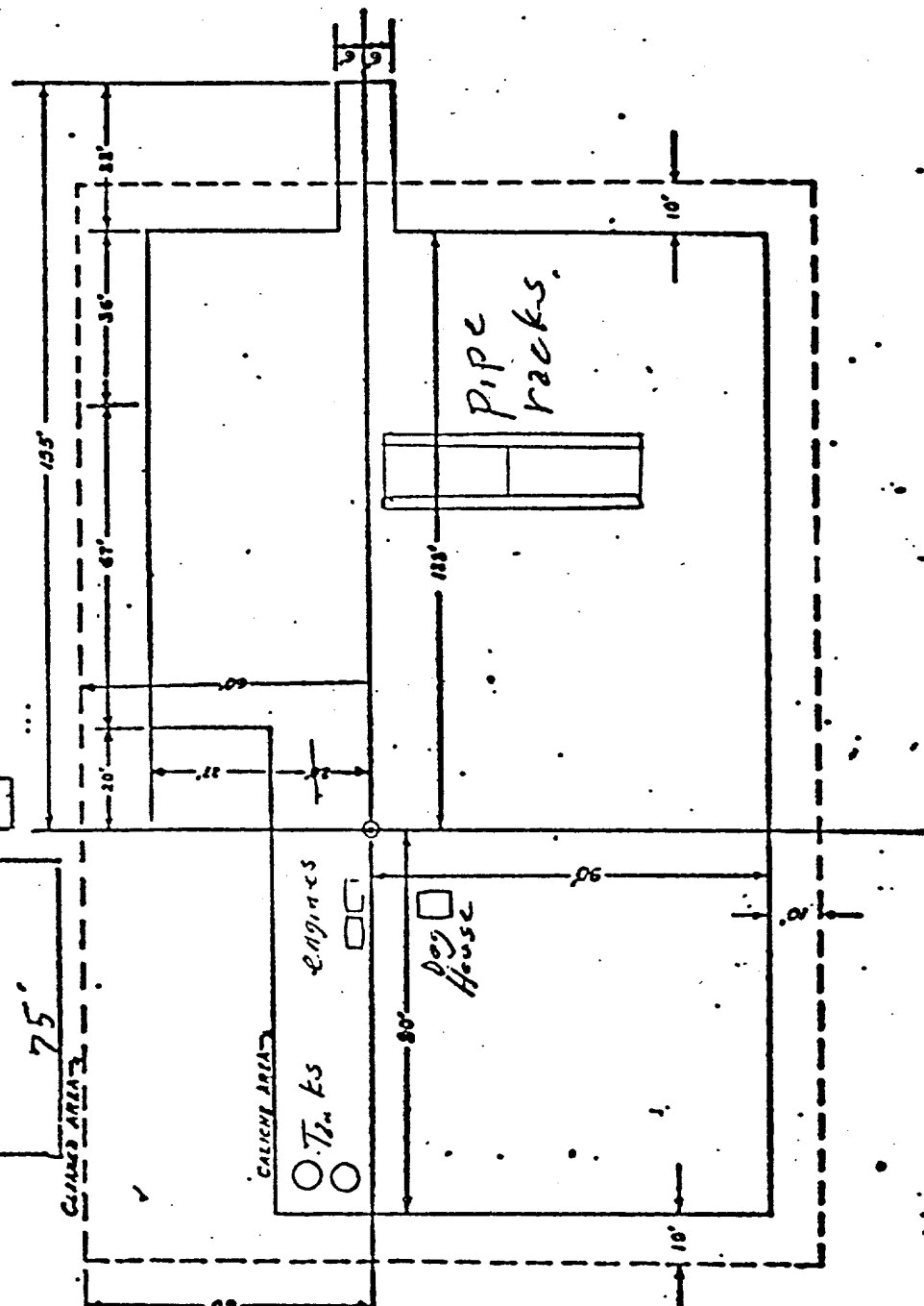
BY: _____

SCALE: _____

REVISION: _____

Trash Pit

Reserve Pit
75' Pit



SPECIFICATIONS-

- A. LOCATION
 1. CONTRACTOR SHALL FURNISH, HAUL, DUMPS, SPREAD, AND COMPACT CALICHE MINIMUM SHALL BE 6" COMPACTED. WATER SHALL BE APPLIED AT THE APPROXIMATE RATE OF 1 GALLON PER 50 FT. IN AREA OUTLINE BY 3 AREA WITH A DASHED LINE SHALL BE BUILT WITH PAD.
- B. ROAD WHERE APPLICABLE
 1. ROAD SHALL BE BUILT IN THE RESTORATION AT A MINIMUM OF 12" WIDE WITH CURVES AND SUCH AS TO ACCOMMODATE LOADED TRUCKS
 2. ROAD SHALL BE COVERED WITH 6" COMPACTED USING WATER AT THE RATE OF APPROX. ONE GALLON PER 50 FT.
 3. ATLANTIC SHALL FURNISH AT THE LOCATION, A CATTLE GUARD, FENCE, AND POST. CONTRACTOR SHALL INSTALL CATTLE GUARD, LANDOWNER'S SPECIFICATIONS.
 4. EXTRA CALICHE FOR ALL TURNING RADIUS BE ANTICIPATED AND LINEAR MEASUREMENT SHALL INCLUDE SUCH EXTRA CALICHE REQUIREMENTS.
- C. GENERAL
 1. DRILLING MAT CONTAINS AN ESTIMATED CU YD. 100% MEASUREMENT.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROTARIES INCLUDING PIT ENTRY, IF ANY.
 3. CELLAR TO BE STEEL WOOD FRAME.

DATE		BY		CHECKED BY		APPROVED BY	
3/18/71		J. H. HARRIS		J. H. HARRIS		J. H. HARRIS	
3/18/71		J. H. HARRIS		J. H. HARRIS		J. H. HARRIS	

BLUE PRINT SECOND

NO.	REV.	DATE	BY	REASON
1	1	3/18/71	J. H. HARRIS	ISSUED FOR CONSTRUCTION

Atlantic Richfield Company
Engineering and Construction Dept.

ATLANTIC BUILDING

STANDARD DRILLING MAT
FOR WELLS LESS THAN 8000 FT.

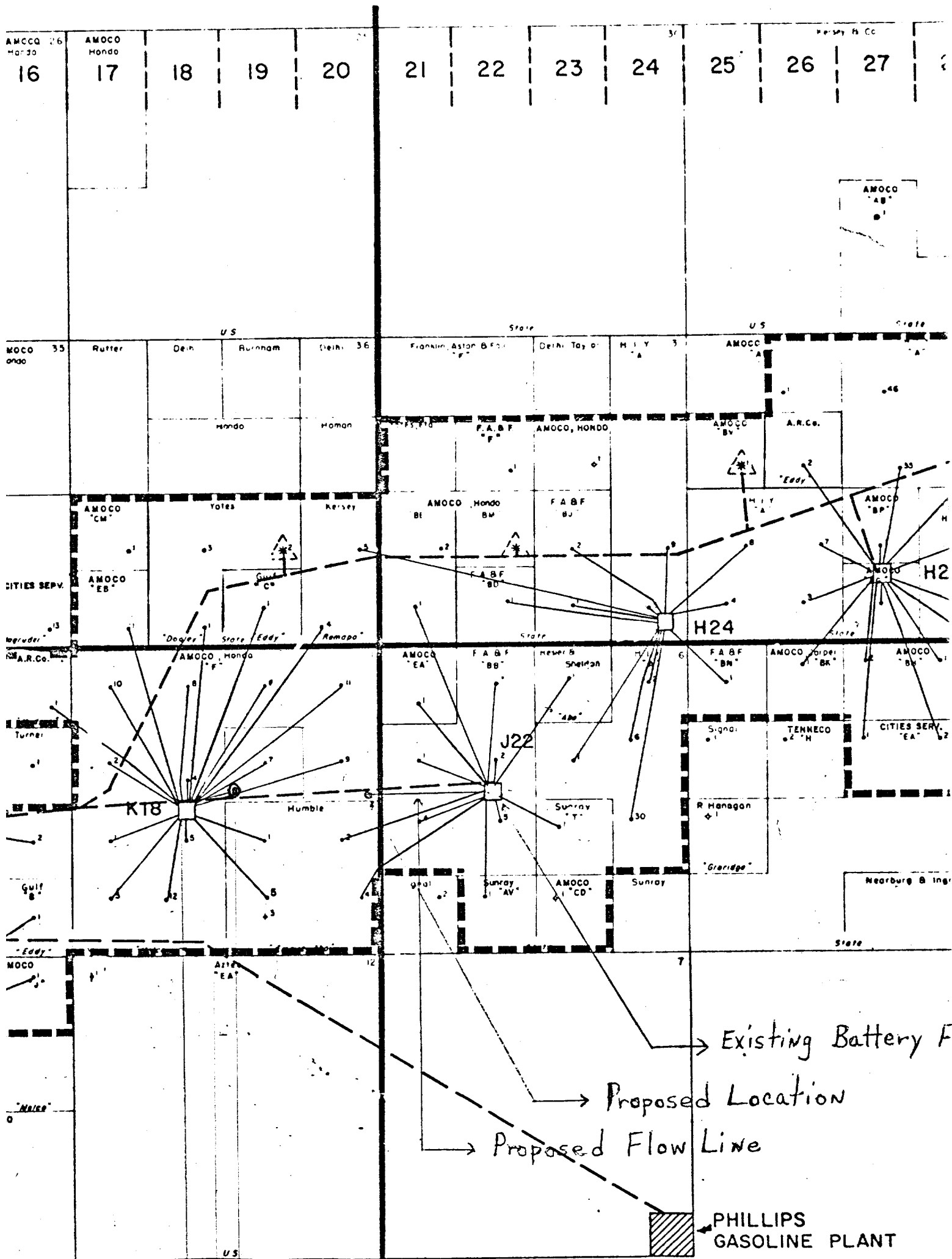
WELL NO. 111111

DATE 3/18/71

BY J. H. HARRIS

REASON ISSUED FOR CONSTRUCTION

Exhibit # 3



→ Proposed Location - Empire ABC Unit "J" 191

→ Proposed Floor Line

→ Existing H, E

EXHIBIT

EXHIBIT #4