

30-045-21452

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  
**Texaco Inc. Attention: T. Bliss**

3. ADDRESS OF OPERATOR  
**P. O. Box 2100, Denver, Colorado 80201**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface **NE 1/4 Sec. 3**  
 At proposed prod. zone **510' FWL, 1980' FWL, Sec. 3**

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **510'**

16. NO. OF ACRES IN LEASE **- -**

17. NO. OF ACRES ASSIGNED TO THIS WELL **160**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. **First Well 6535'**

19. PROPOSED DEPTH **6535'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5699' Gr.**

22. APPROX. DATE WORK WILL START\* **3-15-74**

5. LEASE DESIGNATION AND SERIAL NO.  
**MOO-C-14-20-5320**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**Navajo Tribe "BR"**

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
**1**

10. FIELD AND POOL, OR WILDCAT  
**Tocito Dome *Levin Dekt.***

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 3-T25N-R18W**

12. COUNTY OR PARISH  
**San Juan**

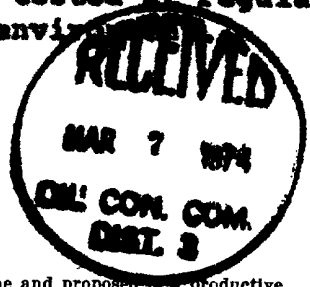
13. STATE  
**N. Mex.**

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	New 13-3/8"	48# H-40	100'	Circ to surface
12-1/4"	New 9-5/8"	40# K-55	1600'	Circ to surface
8-5/8"	New 7"	26# K-55	6535'	Cmt to 600' above pay zone

Propose to drill subject well to increase oil recovery from Tocito Dome Field. Samples will be taken at 10' intervals from 3600' to TD. A 60' core is planned in the Barker Creek. Logs will be run from surface casing to TD. Prospective zones will be perforated and treated as necessary. Blowout preventer equipment will be as indicated on the attached Exhibit, and will be tested at regular intervals. Necessary steps will be taken to protect the environment.

CONFIDENTIAL



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 Signed: Tommie Bliss TITLE District Superintendent DATE March 4, 1974

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
**USGS (3) OGCC (2) TB ARM CGH The Navajo Tribe**  
**Farmington Aztec**

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both. It is to be submitted to the appropriate Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, pertinent regulations, and other matters regarding to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to re-drill the same well at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning such work proposals or reports on the well.

**Item 4:** If there are no applicable Federal or State regulations concerning such work proposals on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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.

30-045-21452

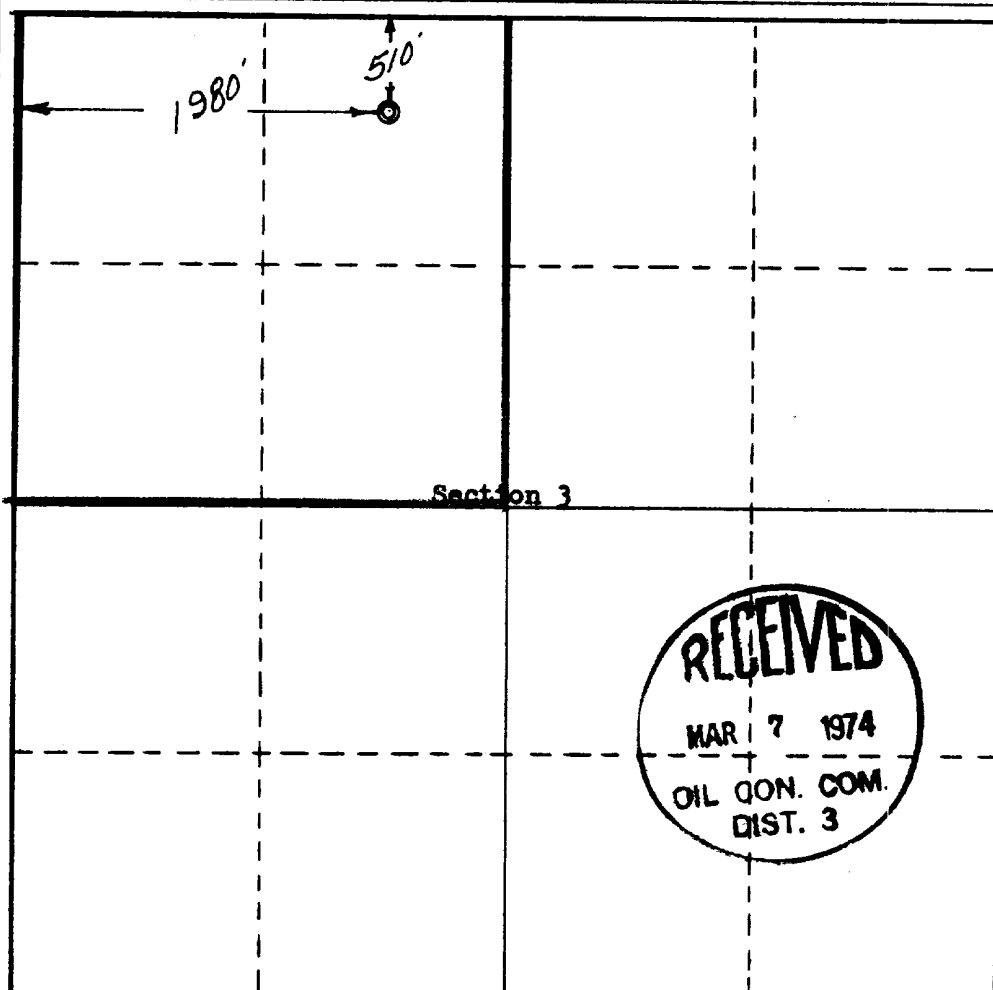
Operator <b>Texaco Inc.</b>		Lease <b>Navajo Tribe "BR"</b>		Well No. <b>1</b>
Unit Letter <b>C</b>	Section <b>3</b>	Township <b>25 North</b>	Range <b>18 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>510</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>West</b> line				
Ground Level Elev: <b>5699</b>	Producing Formation <b>Pennsylvanian</b>	Pool <b>Tocito Dome Penn "D" Ext.</b>	Dedicated Acreage: <b>160</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 \_\_\_\_\_

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.

Signed: **Tommie Bliss**

Name <b>Tommie Bliss</b>
Position <b>District Superintendent</b>
Company <b>Texaco Inc.</b>
Date <b>March 4, 1974</b>

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 <b>March 1, 1974</b>
Registered Professional Engineer and Land Surveyor <b>3084</b>
Certified <b>J. POTEET</b>



**Minimum equipment requirements are:**

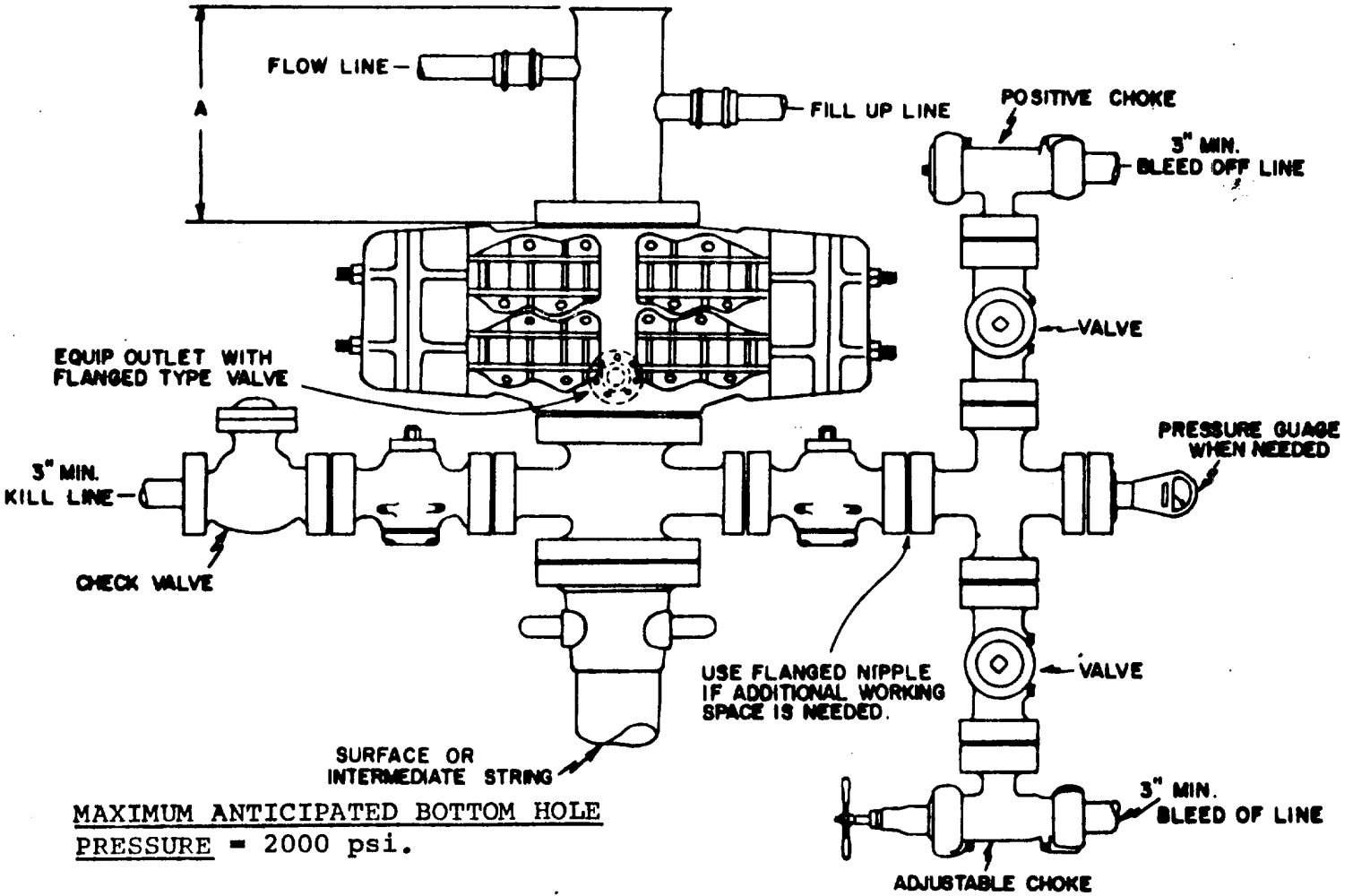
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas. 10" Series 600.

3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.

4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.

5. Kelly cock must be used at all times and should be checked daily.



MAXIMUM ANTICIPATED BOTTOM HOLE PRESSURE = 2000 psi.

DRILLING FLUID - WATER & WATER BASE MUD

NOTE: BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS, ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS. ALWAYS PLACE THE BLIND RAMS IN THE TOP PREVENTER.

APPROVED  
*[Handwritten Signature]*

NAVAJO TRIBE "BR" NO. 1

SAN JUAN COUNTY, NEW MEXICO

<b>TEXACO INC</b>	
DENVER, COLORADO	
<b>BLOWOUT PREVENTER ASSEMBLY STANDARD NO. 2</b>	
DRAWN BY M.R.D.	CHECKED BY E.S.E.
DATE 11-1-72	PLS 158000
REVISED	REVAL. 1-1-81



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT  
ROCKY MOUNTAINS-U. S.  
DENVER DIVISION

TEXACO INC.  
P. O. BOX 2100  
DENVER, COLORADO 80201

March 4, 1974

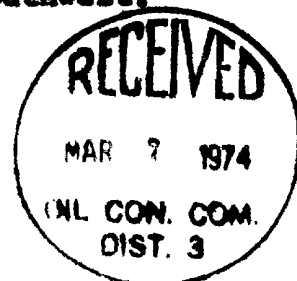
NAVAJO TRIBE "ER" NO. 1  
NE $\frac{1}{4}$  NW $\frac{1}{4}$ , SEC. 3-T25N-R18W  
SAN JUAN COUNTY, NEW MEXICO  
6.34

Mr. P. T. McGrath (3)  
District Engineer  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Dear Mr. McGrath:

As requested by your office, the Surface Use Development Plan for Navajo Tribe "ER" No. 1, San Juan County, New Mexico, is as follows:

1. Existing roads and exit to the location are shown on the attached plat.
2. Approximately one fifth mile of access road will be required as shown on attached plat. The road surface will be compacted soil.
3. Nearest producing well is located 1,300' to the northeast in Section 26.
4. Lateral roads in the vicinity of the location are shown on the attached plat.
5. The flowline for the proposed well will run to a new battery to be located adjacent to the location (see attached plat).
6. Water for drilling operations will be obtained from the bradenhead annulus of Texaco's Navajo Tribe "AL" No. 2, located one mile to the southwest.





PETROLIUM PRODUCTS

TEXACO INC.  
P. O. BOX 2100  
DENVER, COLORADO 80201

PRODUCING DEPARTMENT  
ROCKY MOUNTAIN DIVISION  
DENVER DIVISION

March 4, 1974

MAVADO TRIM "BR" NO. 1  
T. 11N, R. 3E, T25N-R15E  
SARASOTA COUNTY, FLORIDA

0.78

Mr. R. T. McGrath (3)  
District Engineer  
U. S. Geological Survey  
P. O. Box 252  
Washington, New Mexico 87001

Dear Mr. McGrath:

As requested by your office, the Surface Use Development Plan for Navajo Tract "BR" No. 1, Sarasota County, New Mexico, is as follows:

1. Existing roads and easements to the location are shown on the attached plat.
2. Approximately one fifth mile of access road will be required as shown on attached plat. The road surface will be composed soil.
3. Nearest producing well is located 1,300' to the northeast in Section 26.
4. Lateral roads in the vicinity of the location are shown on the attached plat.
5. The flowline for the proposed well will run to a new battery to be located adjacent to the location (see attached plat).
6. Water for drilling operations will be obtained from the proposed annulus of Texaco's Navajo Tract "AR" No. 2, located one mile to the southwest.



March 4, 1974

7. All waste material will be contained by earthen and steel pits. Earthen pits are to be subsequently backfilled and buried.
8. No separate drill campsites are proposed.
9. There are no FAA registered airstrips in the vicinity of the location.
10. The drillsite location will be laid bare and will be approximately 250' x 300'. Proper grading will be used to control erosion on the location. A plat showing the location and rig layout is attached.
11. All surfaces not used in normal well servicing and maintenance will be cleaned and graded, where necessary.
12. The wellsite is located on gentle sloping, sandy, barren ground, with thinly scattered sage brush and grass.

Very truly yours,

Signature of Tommie Bliss

Tommie Bliss  
District Superintendent

MDS:WH

Attach.

cc: Board of Oil & Gas Conservation  
1000 Rio Brazos Road  
Atec, New Mexico 87501



- 7. All waste material will be contained by earthen and steel pipe. Earthen pipe are to be subsequently backfilled and buried.
- 8. No separate drill casings are proposed.
- 9. There are no FAA registered airstrips in the vicinity of the location.
- 10. The drill site location will be laid bare and will be approximately 250' x 300'. Proper grading will be used to control erosion on the location. A plat showing the location and rig layout is attached.
- 11. All surfaces not used in normal well servicing and maintenance will be cleaned and graded, where necessary.
- 12. The well site is located on gentle slope, sandy, barren ground, with thinly scattered sage brush and grass.

Very truly yours,

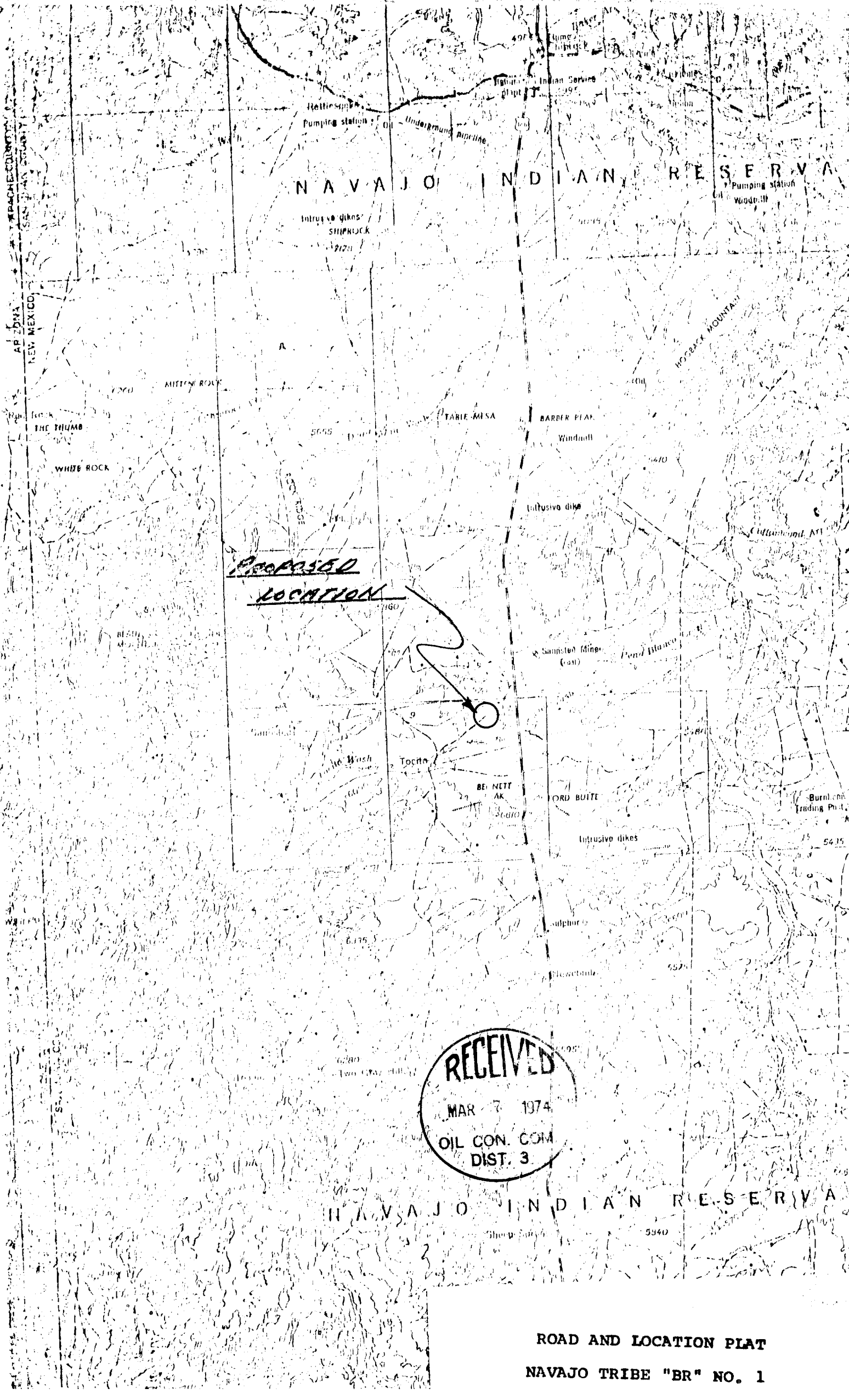
Tommy Elias  
District Superintendent

Attached

Oil and Gas Conservation  
1000 Rio Brazos Road  
Amarillo, Texas 79101







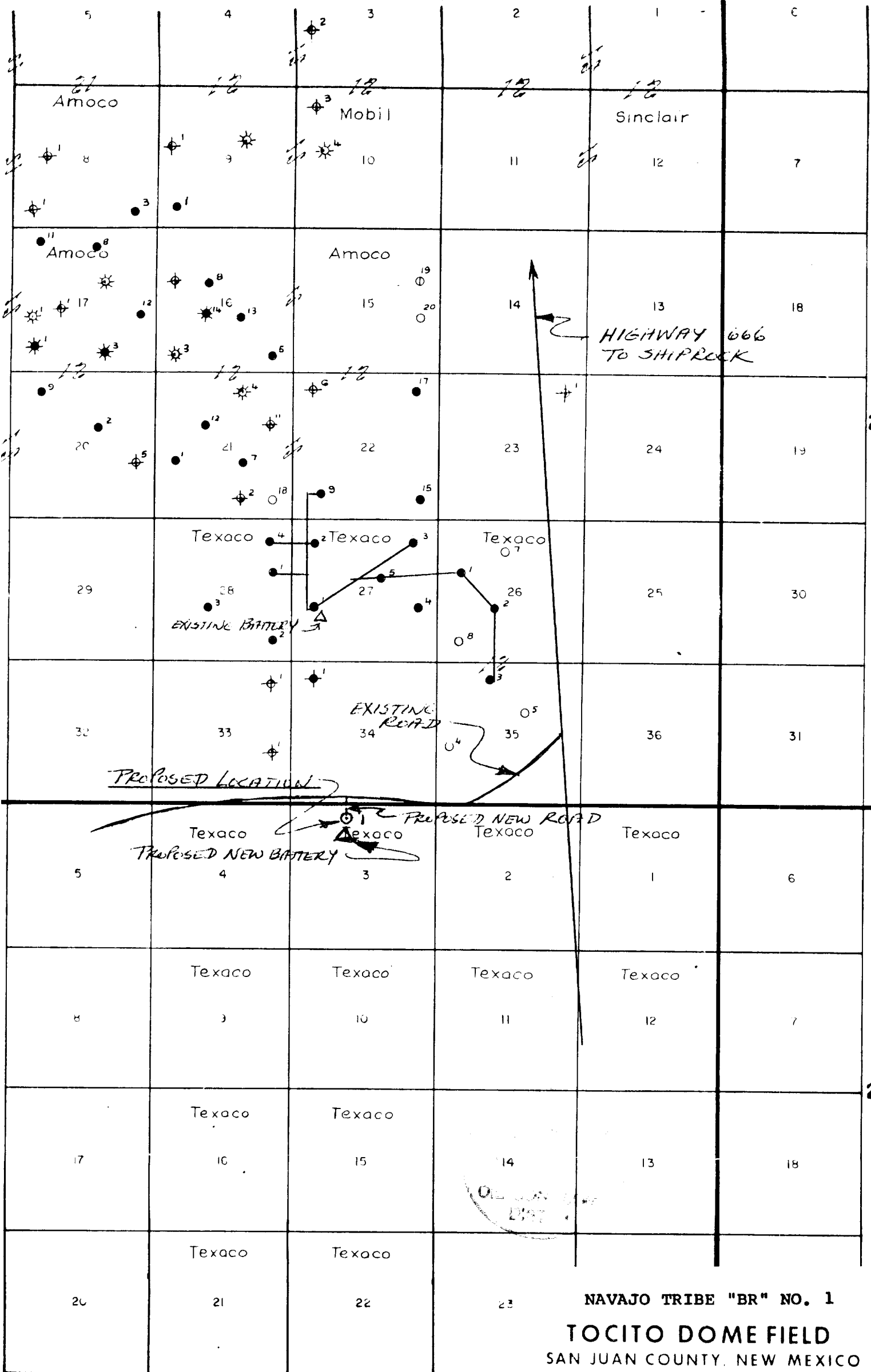
PROPOSED  
LOCATION

RECEIVED  
MAR 7 1974  
OIL CON. COM  
DIST. 3

ROAD AND LOCATION PLAT  
NAVAJO TRIBE "BR" NO. 1

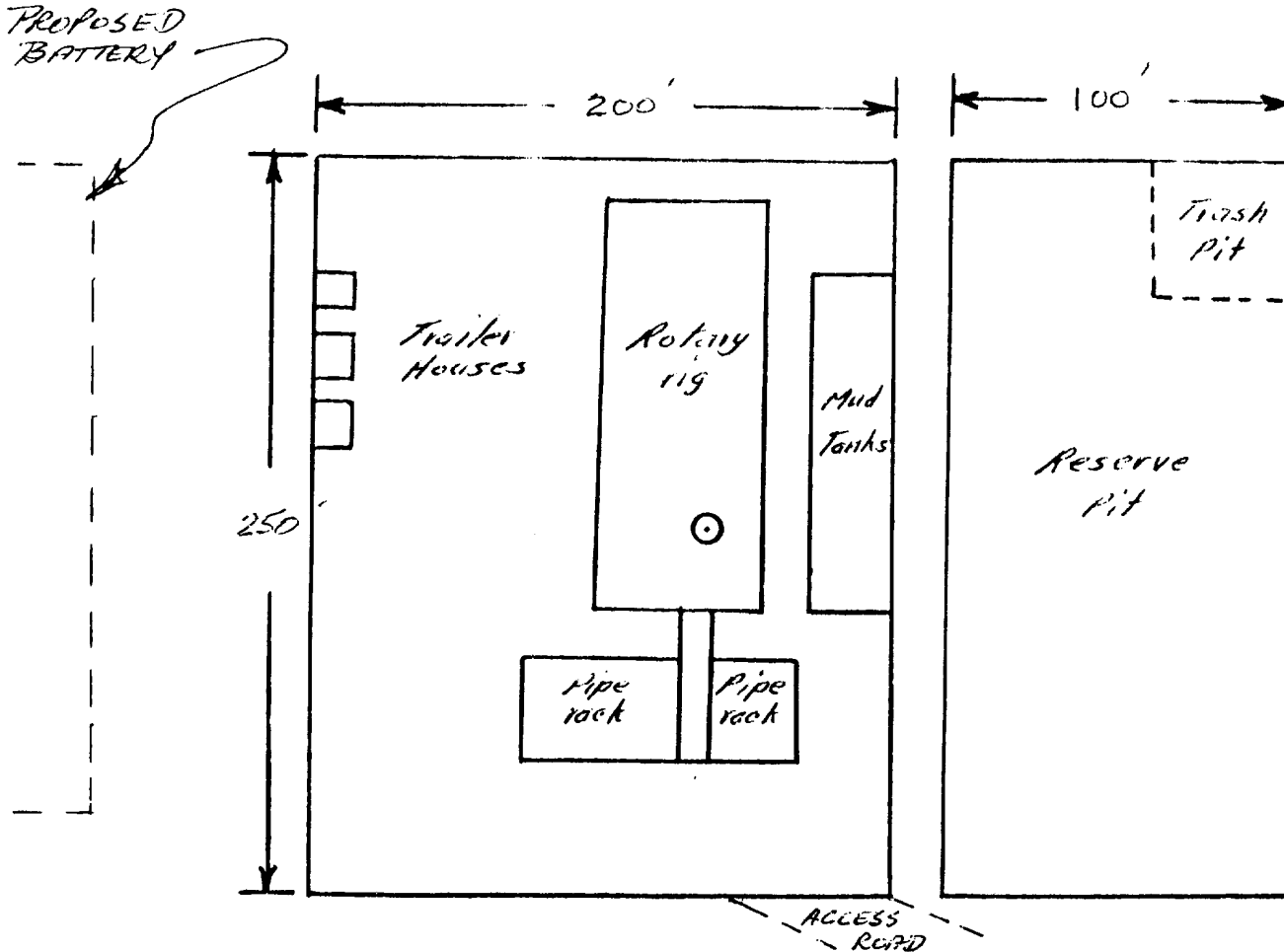
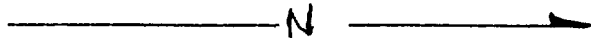
R 18 W

R 17 W



All Lands - Navajo Tribe

NAVAJO TRIBE "BR" NO. 1  
**TOCITO DOME FIELD**  
 SAN JUAN COUNTY, NEW MEXICO  
 Scale: 1" = 4000' 2-20-74



- A. Drilling pad will be compacted soil.
- B. Surface is gentle sloping sandy, barren ground with thinly scattered sage brush and grass.



LOCATION AND RIG LAYOUT PLAT

NAVAJO TRIBE "BR" NO. 1

SAN JUAN COUNTY, NEW MEXICO