

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

NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23

At proposed prod. zone

800' FNL & 900' FWL, Sec

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)

900'

18. DISTANCE FROM PROPOSED LOCATION*

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

900'

16. NO. OF ACRES IN LEASE

160

19. PROPOSED DEPTH

6060'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

6485' GR

22. APPROX. DATE WORK WILL START*

April 1, 1975

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#	650'	Circulate to surface.
7-7/8"	4-1/2"	10.5#	6060'	*Cement 600' above pay zone.

*DV collar to be set at 2700' and cemented to bottom of surface casing.

Propose to drill subject well to increase gas recovery from Bisti Field. Samples will be taken from surface to TD. No cores are scheduled. One DST is planned in the Dakota formation after logging if productivity is in doubt. 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 in the attached exhibit, and will be tested at regular intervals. Necessary steps will be taken to protect the environment.

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 [Signature] TITLE District Superintendent DATE March 17, 1975

(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 Bureau of Indian Affairs 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, pursuant to applicable 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, particularly with regard 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 redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations 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.



[Handwritten signature]

**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.

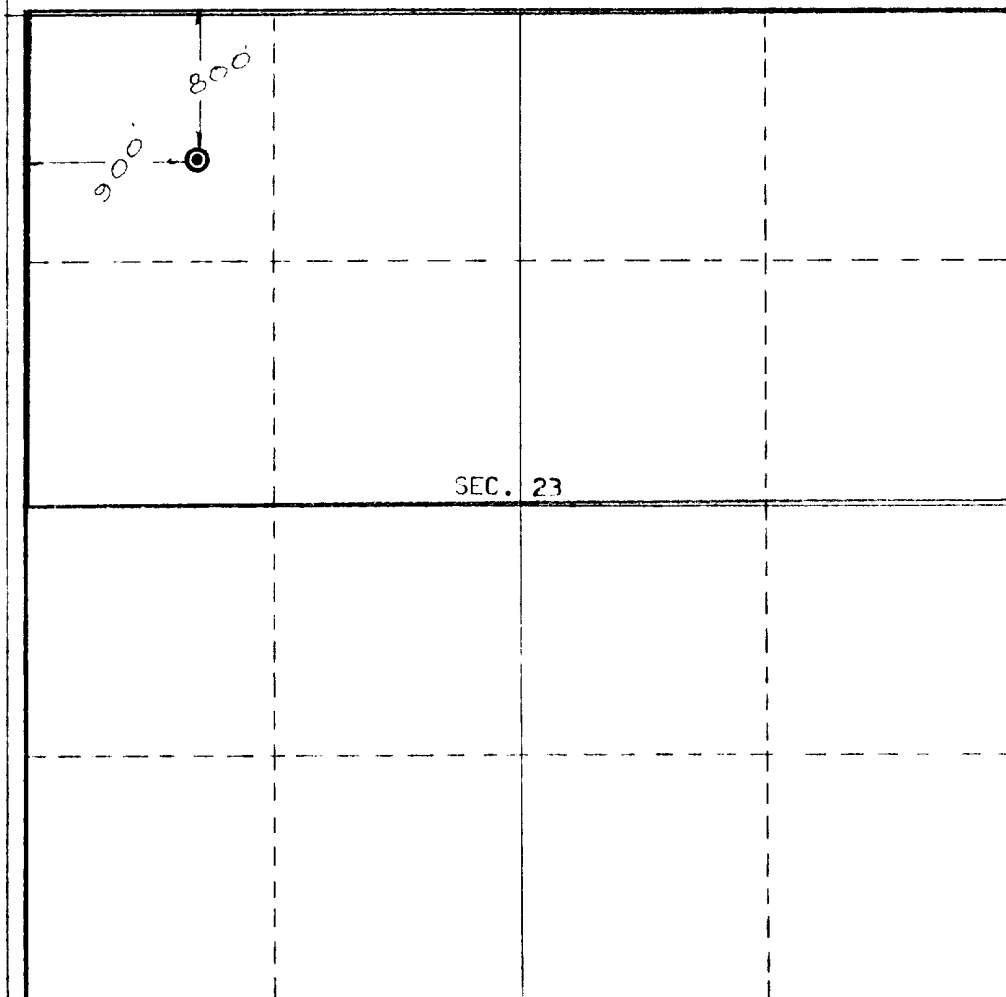
Owner TEXACO, INC.		Lease Navajo Allottees "M"		Well No. 3
Section D	Section 23	Township 25 North	Range 11 West	County San Juan
Actual Location of Well:				
800	feet from the North	line and	900	feet from the West
Surface Elevation 6485	Producing Formation Dakota	Pool Basin Dakota (Bisti)	Dedicated Acreage 320	

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?

☐ 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.

Tommie Bliss
Name

Tommie Bliss

Position
District Superintendent

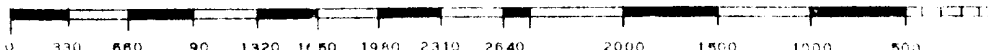
Company
Texaco Inc.

Date
March 17, 1975

Date Surveyed
March 3, 1975

Registered Professional Engineer
and/or Land Surveyor

E.V. Echhawk
Certificate No. **3602**
E.V. Echhawk LS





PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
ROCKY MOUNTAINS-U. S.
DENVER DIVISION

March 17, 1975

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

NAVAJO ALLOTTEES "M" WELL NO. 3
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23 T25N-R11W
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 following information is provided for the drilling of Navajo Allottees "M" Well No. 3, San Juan County, New Mexico:

1. SURFACE CASING: 650' of 8-5/8" OD 24# K-55 ST&C New.
2. CASINGHEADS: 10-3/4" x 10" Series 900, 2000# pressure rating.
3. PRODUCTION CASING: 6060' of 4-1/2" OD 10.5# K-55 ST&C New.
4. BLOWOUT PREVENTER: 10" Series 900 with blind and pipe rams. See attached drawing.
5. AUXILIARY EQUIPMENT:
 - (a) Kelly cock will be used at all times and checked daily.
 - (b) Safety sub with full opening valve for drill pipe on floor.
 - (c) Manifold as shown on attached drawing.
6. ANTICIPATED BOTTOM HOLE PRESSURE: 2000 psi.
7. DRILLING FLUID: Water and water-base mud.

Very truly yours,

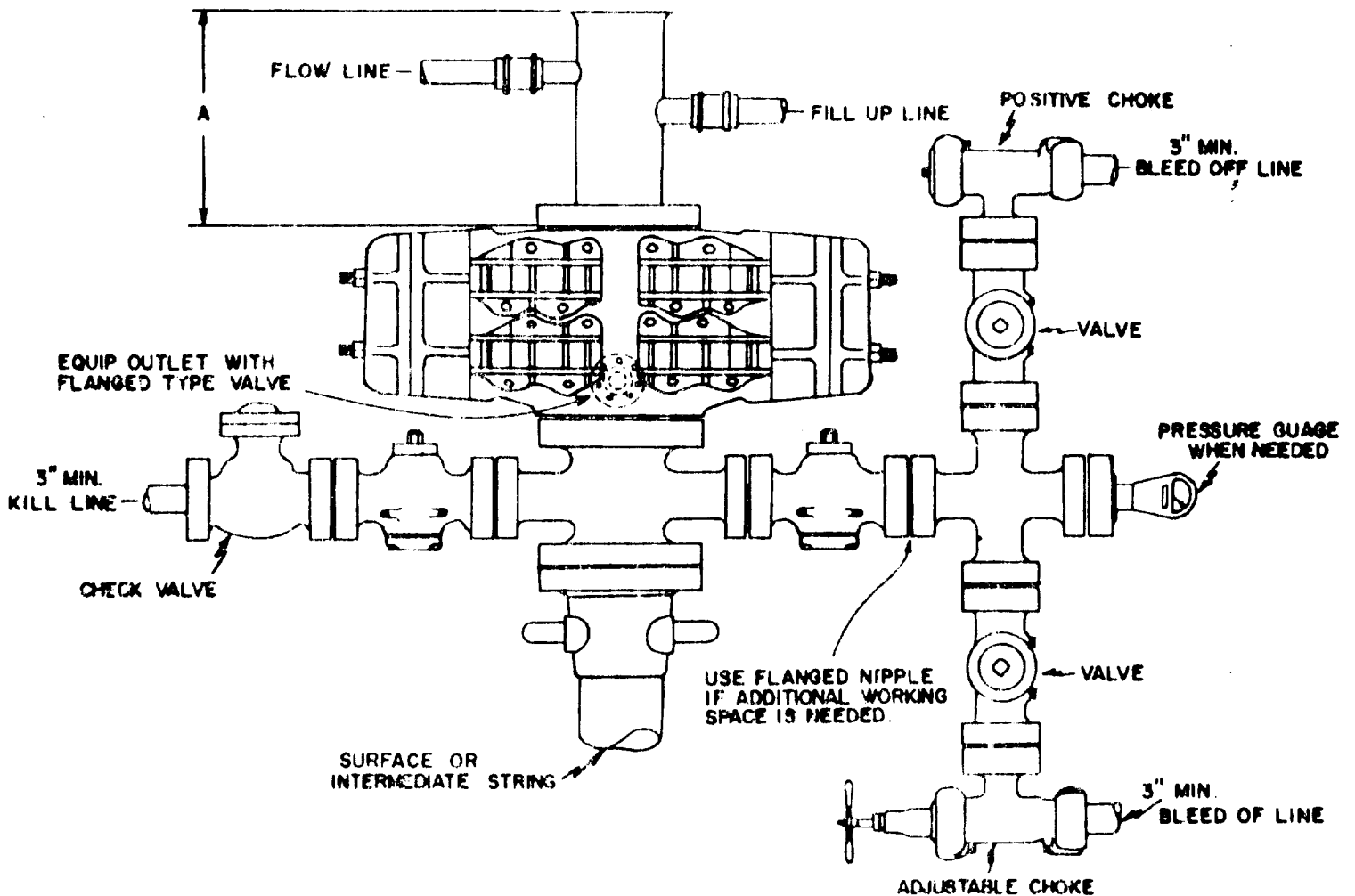
Tommie Bliss
District Superintendent

DRD:RB

Attach.

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.
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.



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.

NAVAJO ALLOTTEES "M"

WELL NO. 3

SAN JUAN COUNTY, NEW MEXICO

APPROVED
[Signature]
[Signature]

TEXACO INC DENVER, COLORADO	
BLOWOUT PREVENTER ASSEMBLY STANDARD NO. 2	
DRAWN BY M.B.D.	CHECKED BY F.B.Z.
DATE 11-8-88	FILE 448000
REVISED	PERM. 1-10-88



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
ROCKY MOUNTAINS-U. S.
DENVER DIVISION

March 18, 1975

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

**SURFACE USE DEVELOPMENT PLAN
NAVAJO ALLOTTEES "M" WELL NO. 3
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23 T25N-R11W
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 Allottees "M" Well No. 3, San Juan County, New Mexico, is as follows:

1. Existing roads and exit to the location are shown on the attached plat.
2. New access road approximately 200' x 30' wide will be required with a maximum cut of about 4'. No culverts or cattleguards will be required. The road will run northeast from an existing road to the location; road surface will be compacted soil.
3. The proposed location is a development well with the closest well approximately one-half mile to the north-west.
4. Roads in the vicinity of the location are shown on the attached plats.
5. Present plans are to locate all initial test facilities and proposed production unit on the wellsite. See attached plat.
6. Water for drilling operations will be obtained from a fresh water well at Huerfano School, located in Sec. 33 T26N-R11W, approximately seven miles north of proposed location.

March 18, 1975

7. All drilling mud will be contained by the reserve pit and steel tanks. Earthen pits are to be subsequently backfilled and buried. Waste material will be disposed of in a fenced trash pit where it can be burned and/or buried when the well is completed.
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 250'. 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 slightly sloping, sandy, barren ground with 25% cover of bushes and 75% dirt. Natural drainage is to the south.

Very truly yours,



Tommie Bliss
District Superintendent

FME:RB


Attach.

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

March 18, 1975

7. All drilling mud will be contained by the reserve pit and steel tanks. Earthen pits are to be subsequently backfilled and buried. Waste material will be disposed of in a fenced trash pit where it can be burned and/or buried when the well is completed.
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 250'. 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 slightly sloping, sandy, barren ground with 25% cover of bushes and 75% dirt. Natural drainage is to the south.

Very truly yours,



Tommie Bliss
District Superintendent

FME:RB

Attach.

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

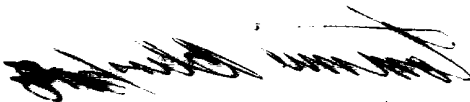
March 18, 1977

Page 2

Mr. J. M. G. G. G.

1. The drilling and well log is attached by the reserve
but not a reserve. Further down the log is to be
consequently backfilled and buried. These materials
will be disposed of in a fenced area on the west side
can be turned out or buried when the well is completed.
2. No separate drill log is attached.
3. There are no other recorded activities in the vicinity
of the location.
4. The drilling location will be laid bare and will be
approximately 100' x 100'. The drilling will be used
to control erosion on the location. A plan showing the
location and the layout is attached.
5. All activities and work in normal well operations and
maintenance will be attended and given the necessary
attention.
6. The well is located in a slightly sloping area
where ground will be covered in grass and a drill
rig will be located in the area.

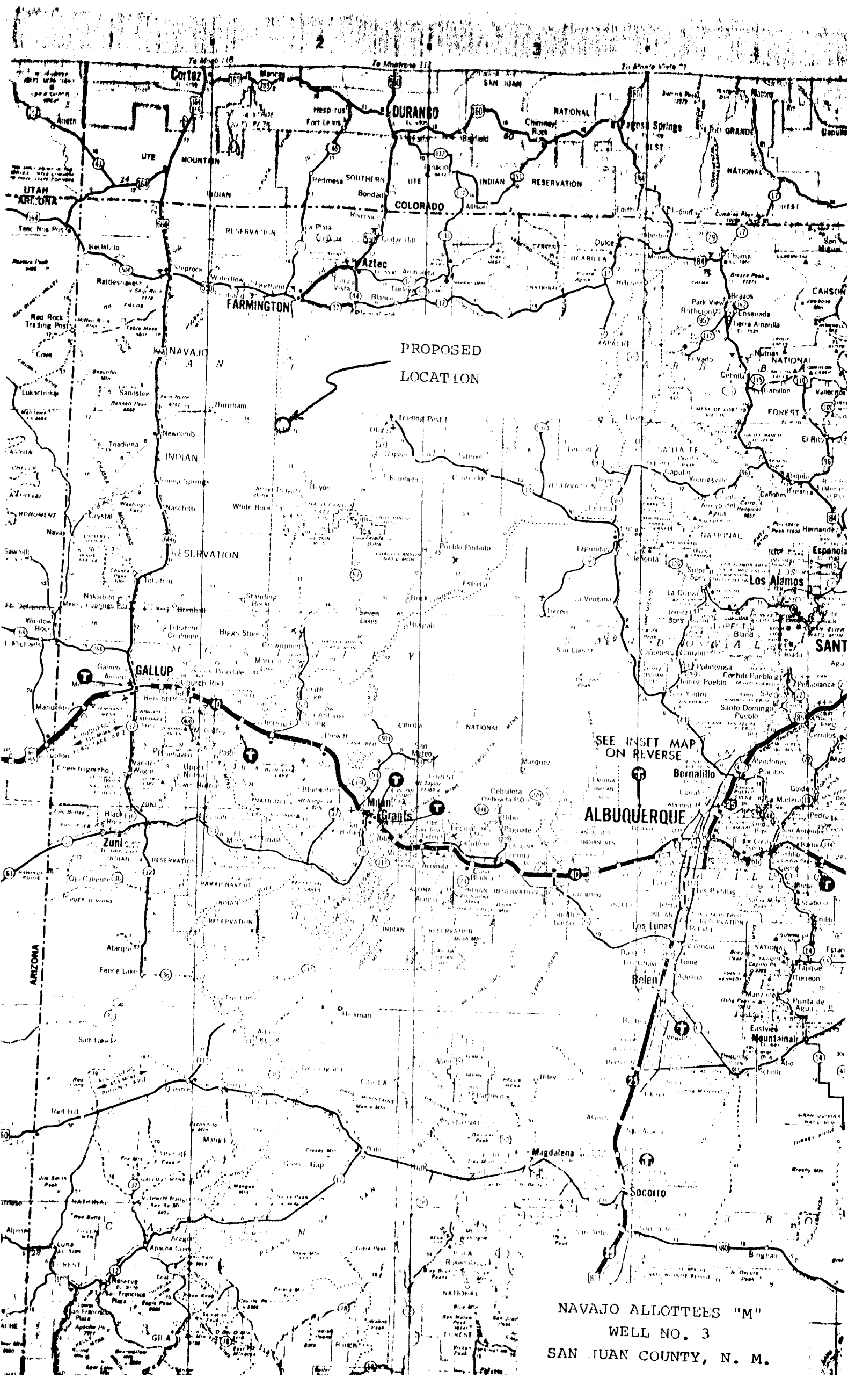
Very truly yours,


James H. G. G.
District Representative

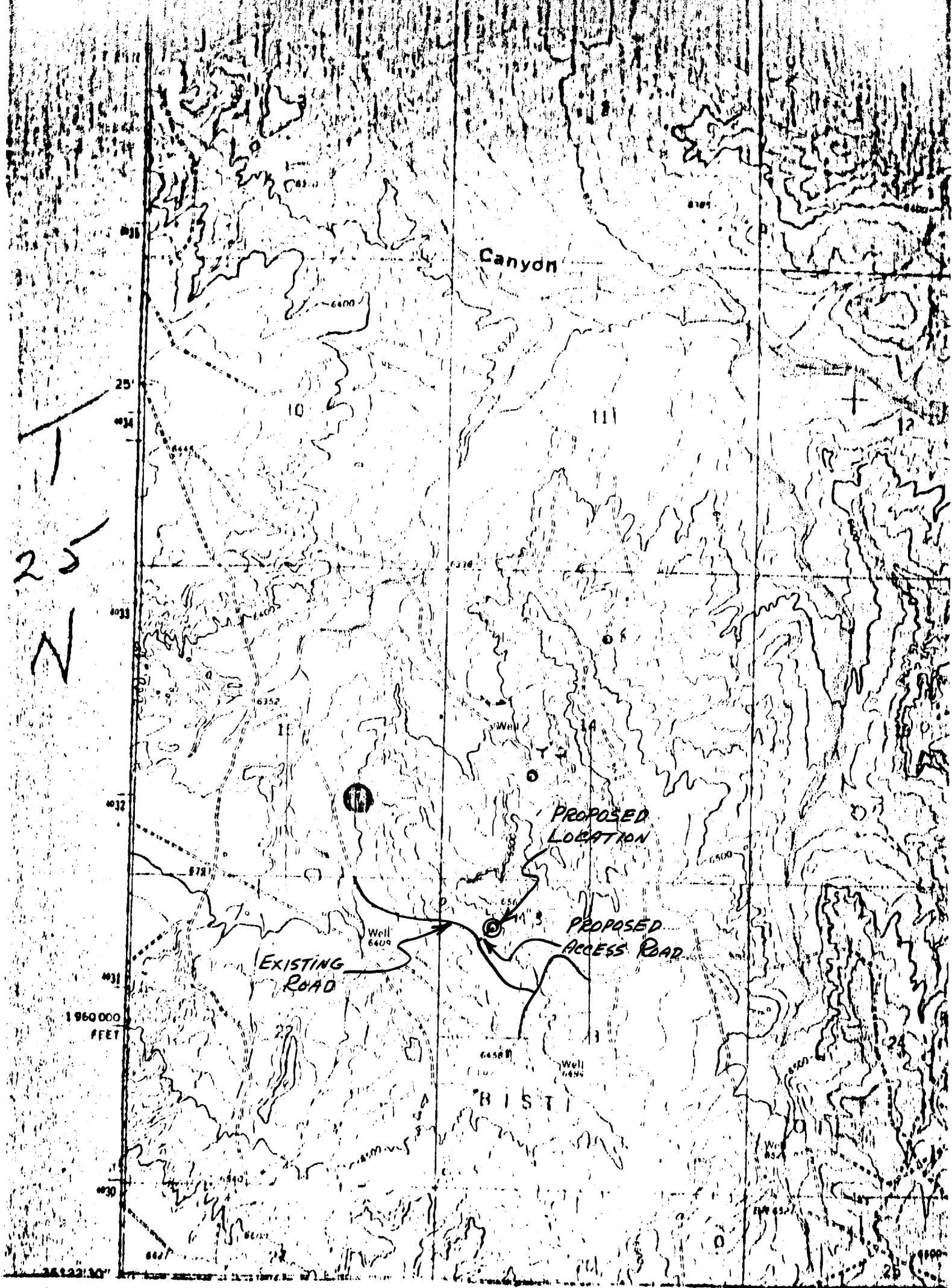
cc: Mr. G. G. G.

cc: Mr. G. G. G.

cc: Mr. G. G. G. and Mr. G. G. G.
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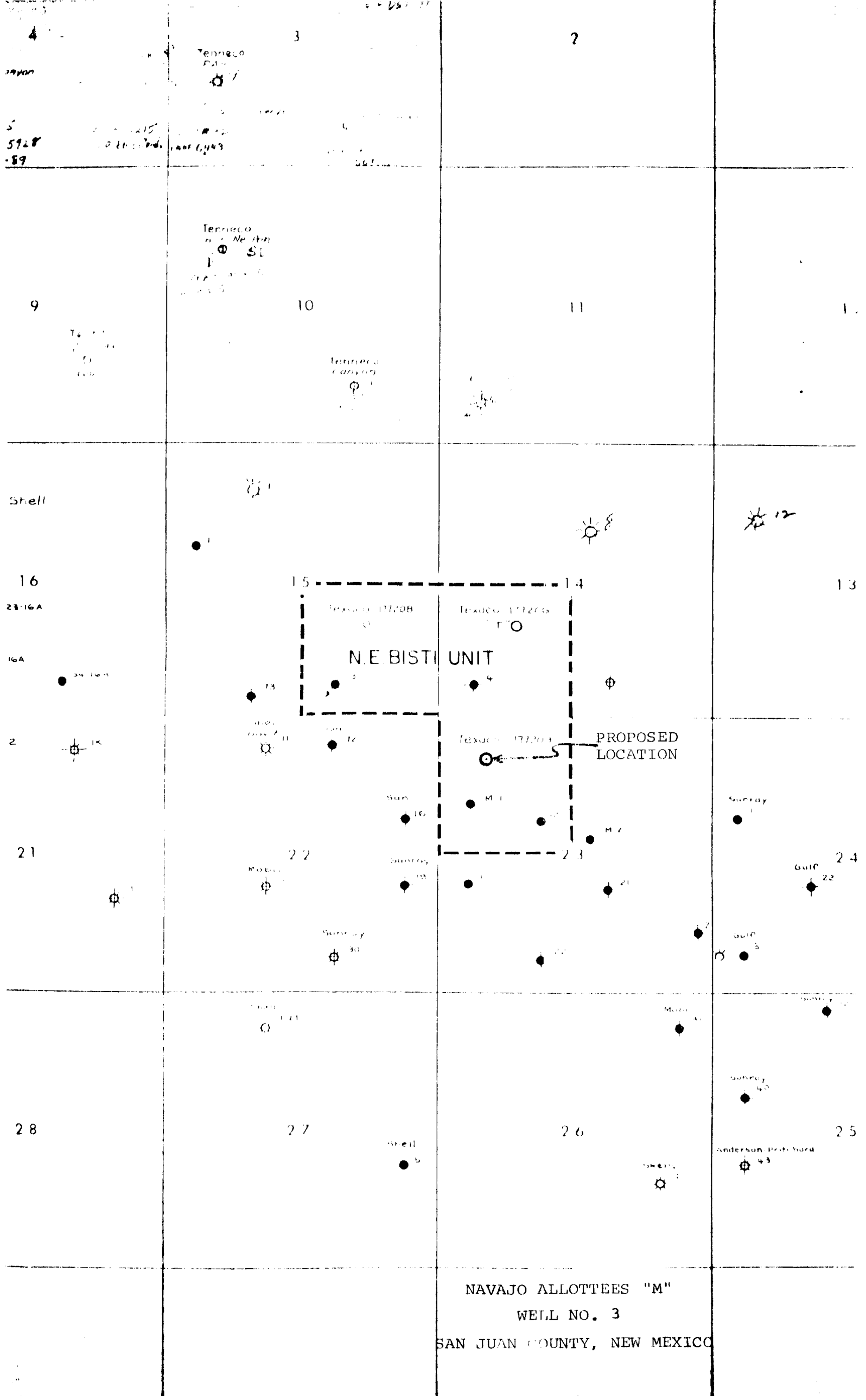
NAVAJO ALLOTTEES "M"
WELL NO. 3
SAN JUAN COUNTY, N. M.



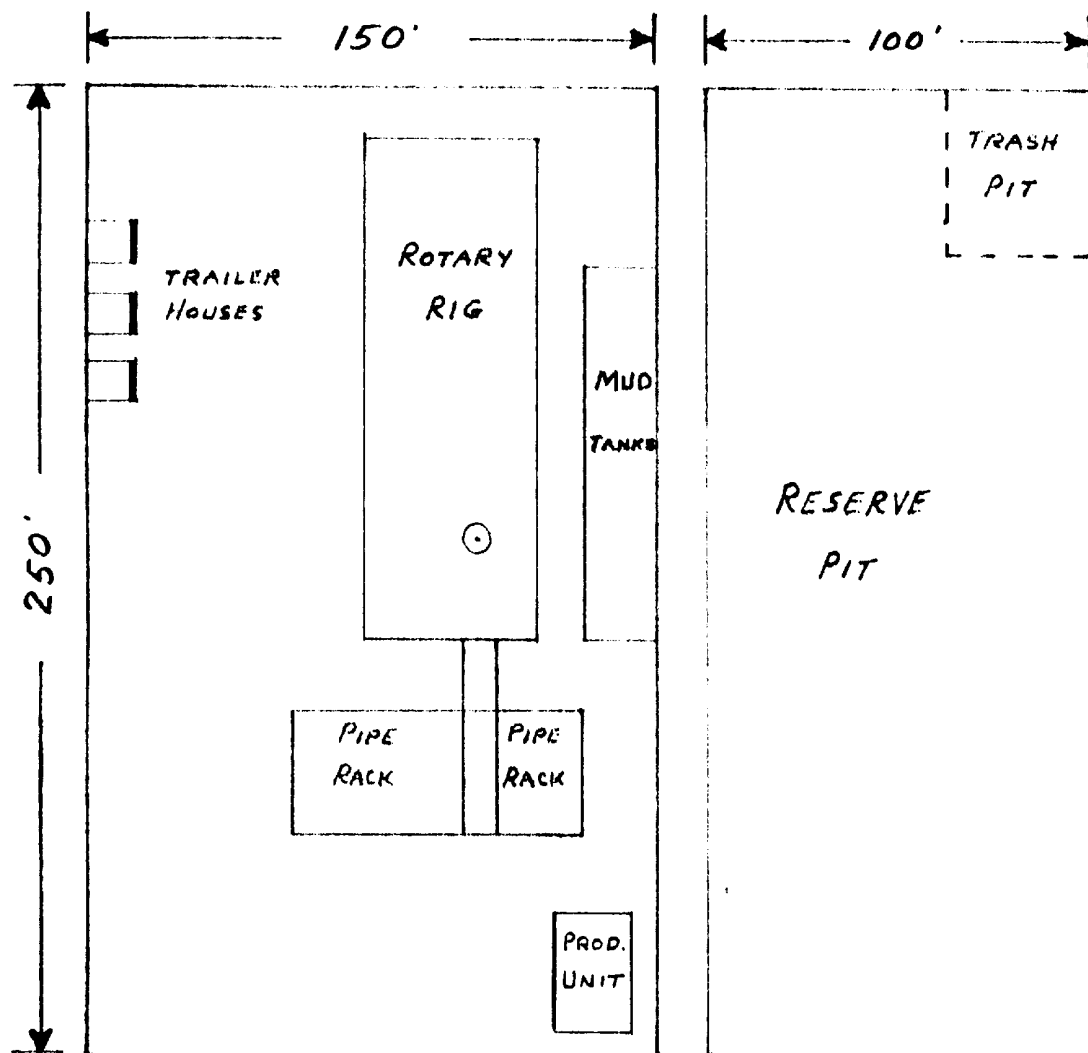
NAVAJO ALLOTTEES "M"

WELL NO. 3

SAN JUAN COUNTY, NEW MEXICO



NAVAJO ALLOTTEES "M"
WELL NO. 3
SAN JUAN COUNTY, NEW MEXICO



A. Drilling pad will be compacted soil.

B. Surface is slightly sloping, sandy, barren ground with 25% bushes and 75% dirt.

LOCATION AND RIG LAYOUT PLAT
 NAVAJO ALLOTTEES "M" WELL NO. 3
 SAN JUAN COUNTY, NEW MEXICO