

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21482

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

At proposed prod. zone

NW 1/4 Sec. 27

660' FWL & 1980' FWL, Sec. 27

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)

660'

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

1950'

16. NO. OF ACRES IN LEASE

--

19. PROPOSED DEPTH

6370'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

5656' GR

22. APPROX. DATE WORK WILL START*

May 20, 1974

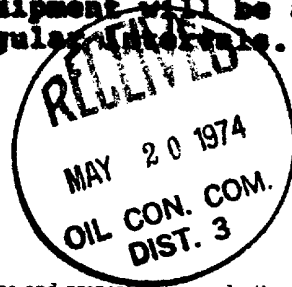
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	Circ to surface
12-1/4"	9-5/8"	26#	1600'	Circ to surface
8-3/4"	7"	20, 23, 26#	6370'	Cmt 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. 100' of core is planned in the Barker Creek formation. A DST is also scheduled for the Barker Creek. Logs will be run from surface casing to TD. Prospective zones will be perforated and treated as necessary. Blowout preventor 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.

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 T. Bliss TITLE District Superintendent DATE May 16, 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) OCCC (2) TB ARM CGM The Navajo Tribe
Farmington Astec

*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.

**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.

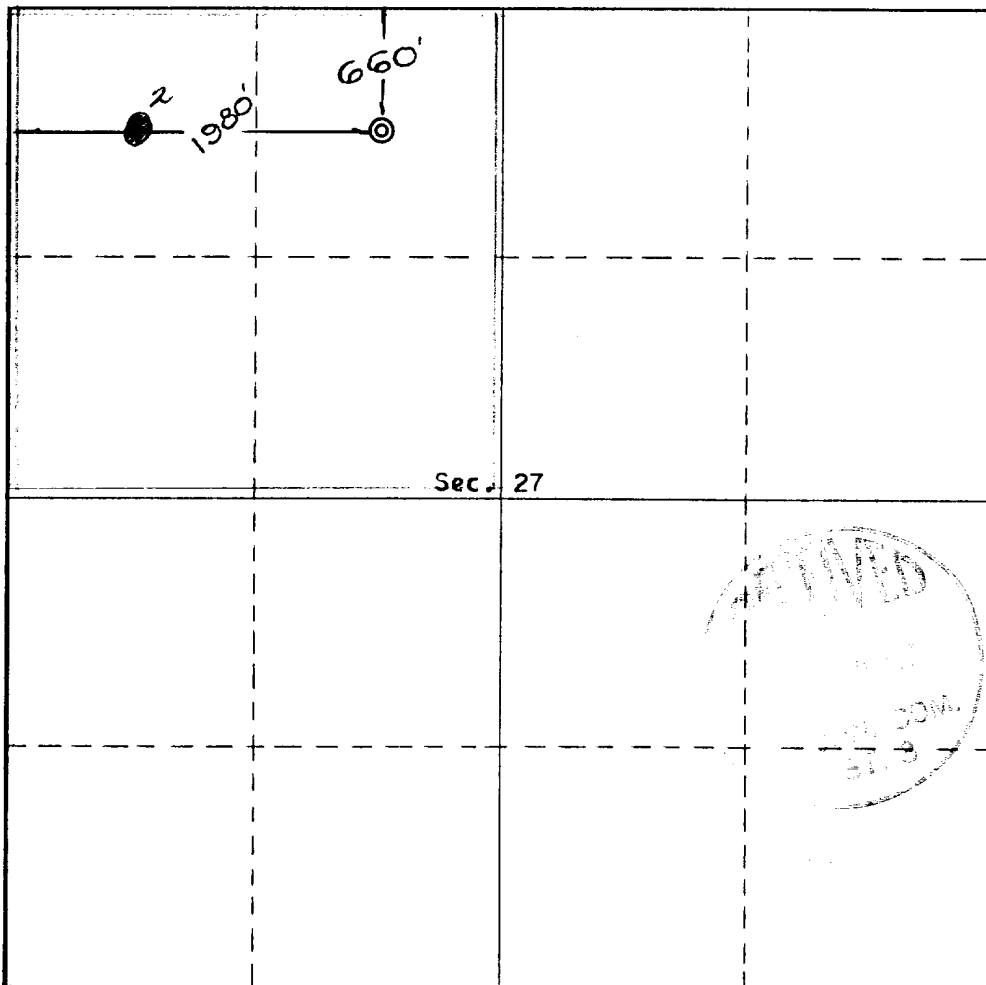
Operator TEXACO, INC.			Lease Navajo AR		Well No. 8
Unit Letter C	Section 27	Township 26 North	Range 18 West	County San Juan	
Actual Footage Location of Well: 660 feet from the North line and 1980 feet from the West line					
Ground Level Elev. 5656	Producing Formation Pennsylvanian	Pool Tocito Dome Penn. "D" Ext.	Dedicated Acreage: 160 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.

Tommie Bliss

Name

Tommie Bliss

Position

District Superintendent

Company

Texaco Inc.

Date

May 16, 1974

Date Surveyed

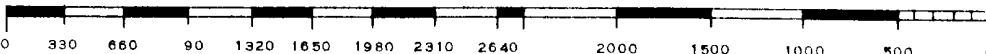
May 14, 1974

Registered Professional Engineer
and/or Land Surveyor

E.V. Echohawk

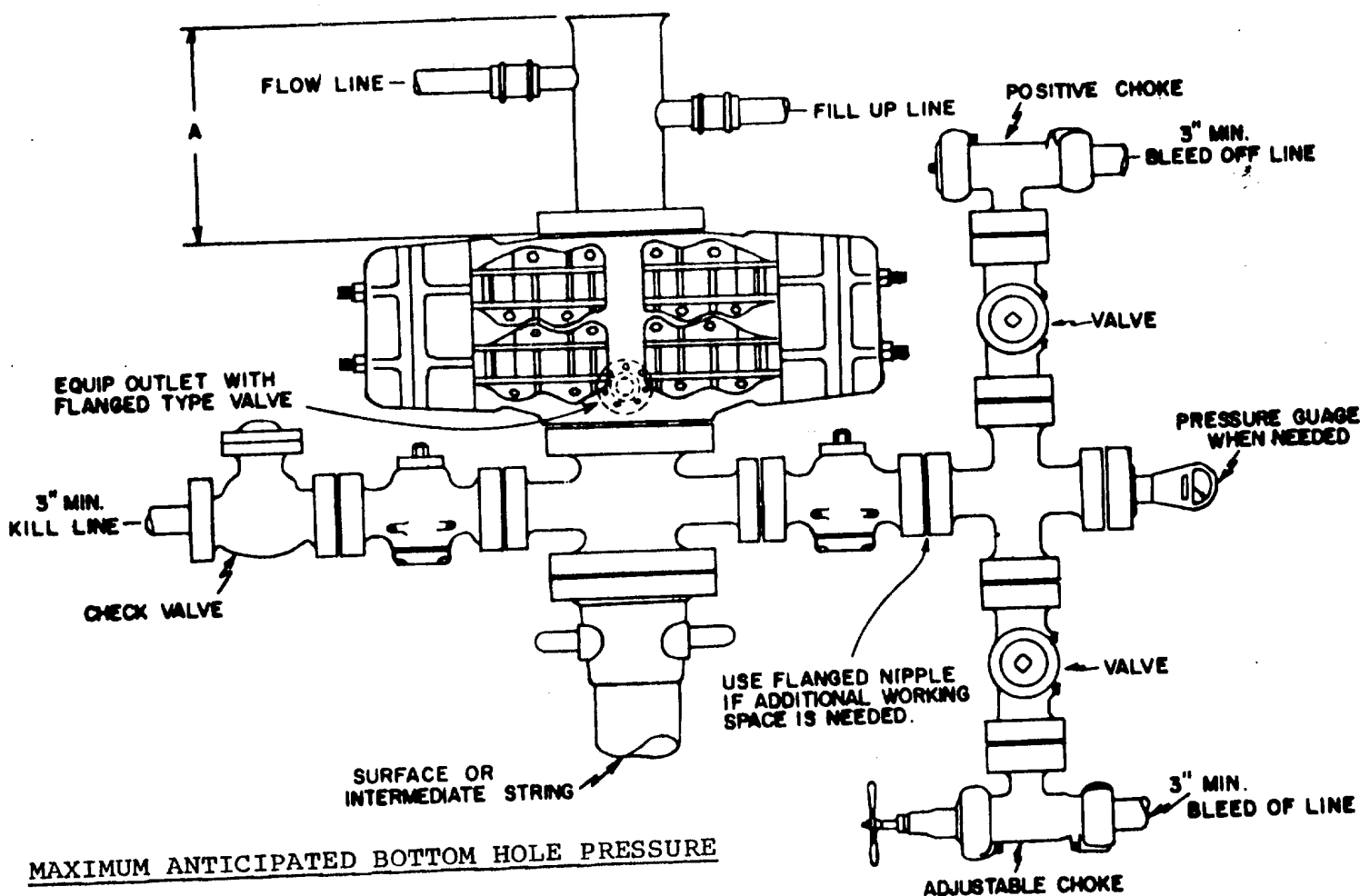
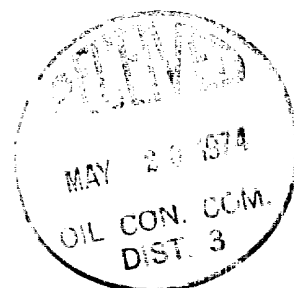
Certificate No. **3602**

E.V. Echohawk LS



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.

NAVAJO TRIBE "AR" WELL NO. 8
SAN JUAN COUNTY, NEW MEXICO

APPROVED
[Signature]
[Signature]

TEXACO INC	
DENVER, COLORADO	
BLOWOUT PREVENTER ASSEMBLY	
STANDARD NO. 2	
DRAWN BY M.R.O.	CHKD BY J.E.E.
DATE 11-8-74	FILE 448000
REVISED	SERIAL J-148-2



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
ROCKY MOUNTAINS-OIL
DENVER DIVISION

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

May 16, 1974

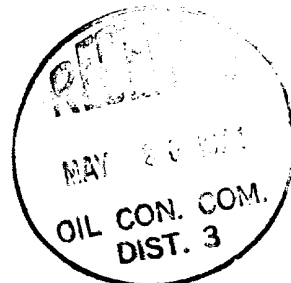
NAVAJO TRIBE "AR" NO. 8
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 27 T26N-R10W
SAN JUAN COUNTY, NEW MEXICO
6.34

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 "AR" No. 8, San Juan County, New Mexico, is as follows:

1. Existing roads and exit to the location are shown on the attached plat.
2. Approximately two/tenths of a mile of access road will be required as shown on the attached plat. The road surface will be compacted soil.
3. Nearest producing well is located 1320 feet to the west in Section 27.
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 an existing battery located $\frac{3}{4}$ mile to the southwest of 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 1 mile to the southwest.





PETROLEUM PRODUCTS

TEXACO INC.
P.O. BOX 8100
DENVER, COLORADO 80201

PRODUCING DEPARTMENT
P.O. BOX 8100
DENVER, COLORADO 80201

MAY 17, 1974

NAVAPU TRIBE "A" No. 2
P.O. BOX 8100
SAN JUAN COUNTY, NEW MEXICO
87401

Mr. T. McGrath (3)
District Engineer
U. S. Geological Survey
P.O. Box 8100
Washington, New Mexico 87401

Dear Mr. McGrath:

As requested by your office, the surface use development plan for NavapU Tribe "A" No. 2, San Juan County, New Mexico, is as follows:

1. Existing roads and exit to the location are shown on the attached plat.
2. Approximately two-thirds of a mile of access road will be required as shown on the attached plat. The road surface will be compacted soil.
3. Present proposed well is located 1500 feet to the west of the location.
4. Potential roads in the vicinity of the location are shown on the attached plat.
5. The flowline for the proposed well will run to an existing battery located 3/4 mile to the southwest of the location (see attached plat).
6. Plans for drilling operations will be obtained from the authorized officials of Texaco's NavapU Tribe "A" No. 2, located 1 mile to the southwest.



Mr. P. T. McGrath

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May 16, 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 widely scattered clumps of sage brush and/or tumbleweeds.

Very truly yours,

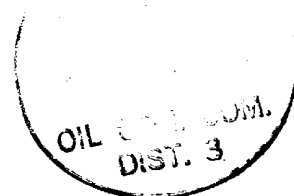


Tommie Bliss
District Superintendent

FME:RB

Attach.

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



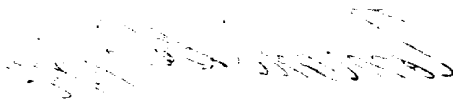
May 16, 1974

- 2 -

Mr. T. T. McGinnis

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 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 150' x 300'. Proper grading will be used to control erosion on the location. A plan showing the location and lay out 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 sloping, sandy, barren ground with widely scattered clumps of sage brush and/or shrubs.

Very truly yours,

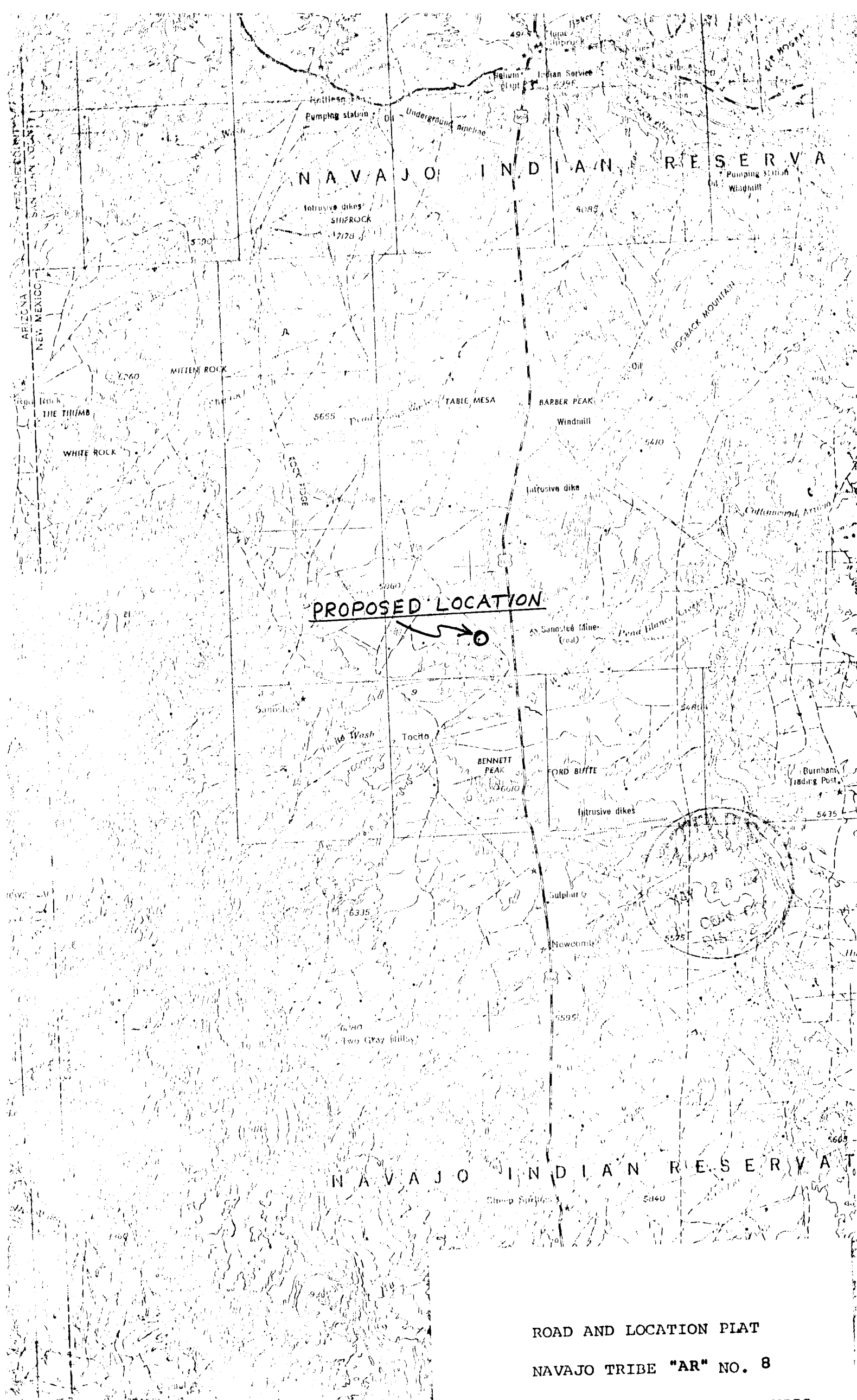

Donald R. Hays
District Superintendent

THM:db

cc: Hays

cc: Board of Oil and Gas Conservation
1000 East 17th Street
Ottawa, Kansas 66101





ROAD AND LOCATION PLAT
NAVAJO TRIBE "AR" NO. 8
SAN JUAN COUNTY, NEW MEXICO

R 18 W

T 27 N

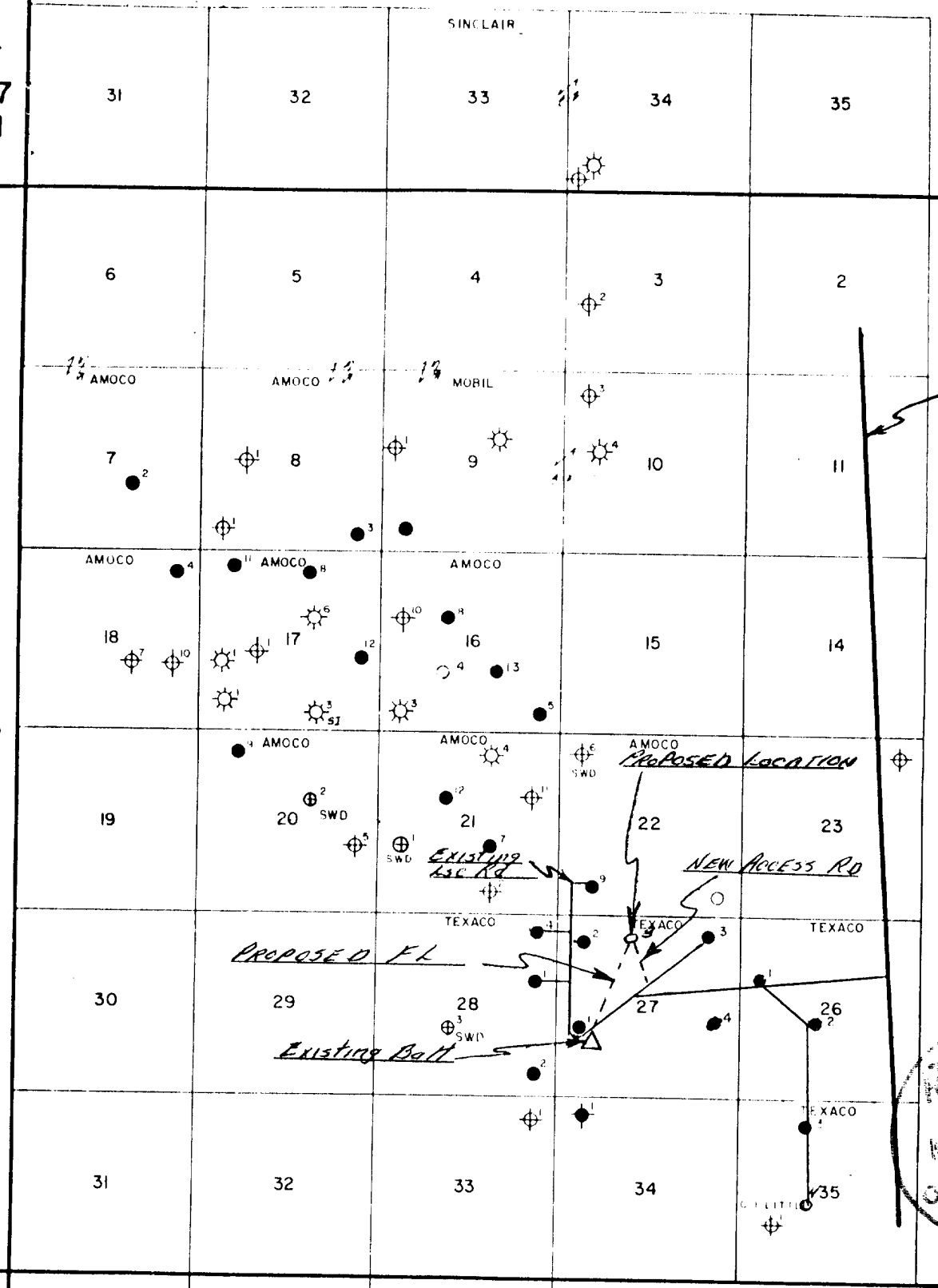
T 27 N

T 26 N

T 26 N

T 25 N

R 18 W



NAVAJO TRIBE "AR" WELL NO. 8

TEXACO INC.
TOCITO DOME FIELD
SAN JUAN COUNTY, NEW MEXICO

