

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE **X** WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

DATE FILED **12-10-84**
 LAND: FEE & PATENTED _____ STATE LEASE NO. **ML3156** PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: **12-17-84 - OIL**

SPUDED IN: _____
 COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____
 GRAVITY A.P.I. _____

GOR: _____
 PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____
 DATE ABANDONED: **WA - Application Rescinded 3-20-86**

FIELD: **ANETH 3/86**

UNIT: **ANETH**

COUNTY: **SAN JUAN**

WELL NO. **ANETH UNIT #H-116** API #**43-037-31118**

LOCATION **660' FNL** FT. FROM (N) (S) LINE. **800' FEL** FT. FROM (E) (W) LINE. **NE NE** 1/4 - 1/4 SEC. **16**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				40S	24E	16	TEXACO, INC.

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 MULTIPLE ZONE

2. NAME OF OPERATOR
 TEXACO INC. ATTENTION: A. R. MARX

3. ADDRESS OF OPERATOR
 P. O. Box EE, Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface NE/NE Sec. 16 - T40S - R24E
 At proposed production zone 660' FNL 800' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 5 miles north Montezume Creek, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, (Also to nearest drlg. unit, if any)
 660'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE
 1320'

21. ELEVATIONS (Show whether at RT, GR, etc.)
 4671 GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48# St&C	100'	370 Cu. Ft. Cement to surface
11"	8 5/8"	24# St&C	1500'	365 Cu. Ft. Cement to surface
7 7/8"	5 1/2"	14 & 15.5# St&C	5725'	311 CuFt 1st stage 381 CuFt 2nd stage

TEXACO plans to drill this in field well in order to gain optimum primary and secondary oil from the Aneth Unit. Samples will be taken at 20' intervals from 5000' to 5600'. 10' intervals from 5600' to TD. No cores or DST are planned. Logs will be run from surface csg to TD. Dy collar to be run below the DeChelly and cmt to bottom of surface csg. Prospective zone will be perforated and acidized. BOP's will be as indicated on attachment and tested at regular intervals. Necessary steps will be taken to protect the environment. Any gas produced during conduct of operations will be flared.

ESTIMATED FORMATION TOPS

BLUFF - 117' SUMMERVILLE - 418' TODILTO - 512' ENTRADA - 547'
 NAVAJO - 705' WINGATE - 1067' CHINLE - 1467' DECHELLEY - 2607'
 HERMOSA - 4617' ISMAY - 5338' DESERT CREEK - 5506'

24. IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production. If proposal is to drill deeper directionally, give pertinent data on subsurface locations and measured and true vertical depths. (Give blowby preventer program if any.)

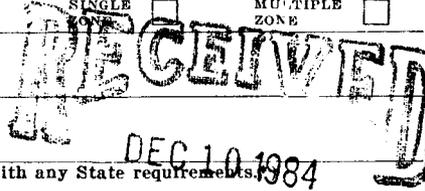
SIGNED A. R. Marx TITLE Field Supt. DATE 12/4/84

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12/17/84
BY: [Signature]



COMPANY Texaco Inc.

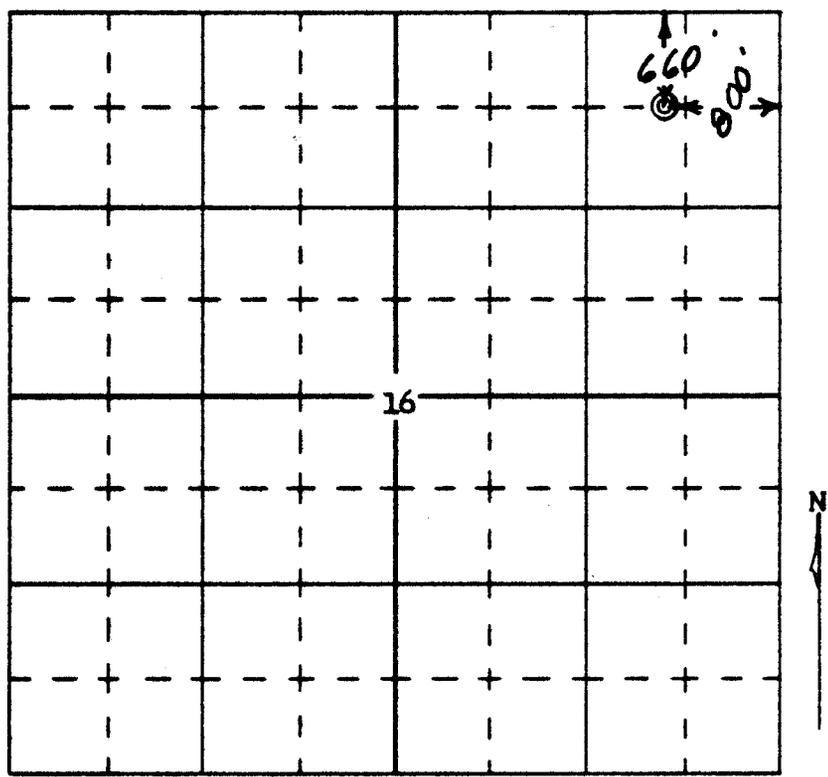
Well Name & No. Aneth Unit Well No. H 116 Lease No. _____

Location 660 feet from North line and 800 feet from East line

Being in San Juan County, Utah

Sec. 16, T.40S., R.24E., S. 1. M.

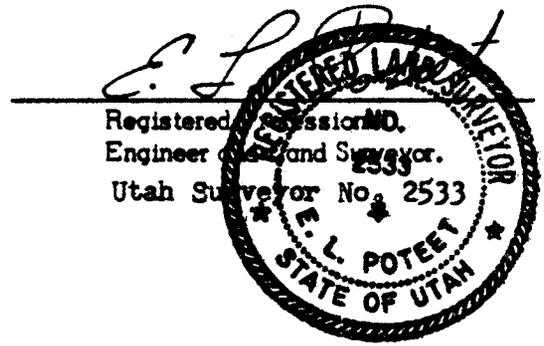
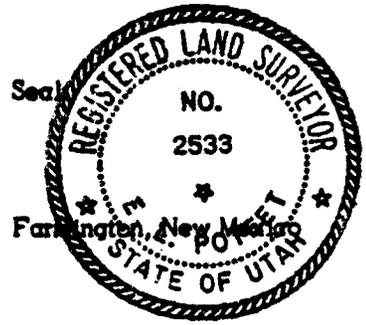
Ground Elevation 4671



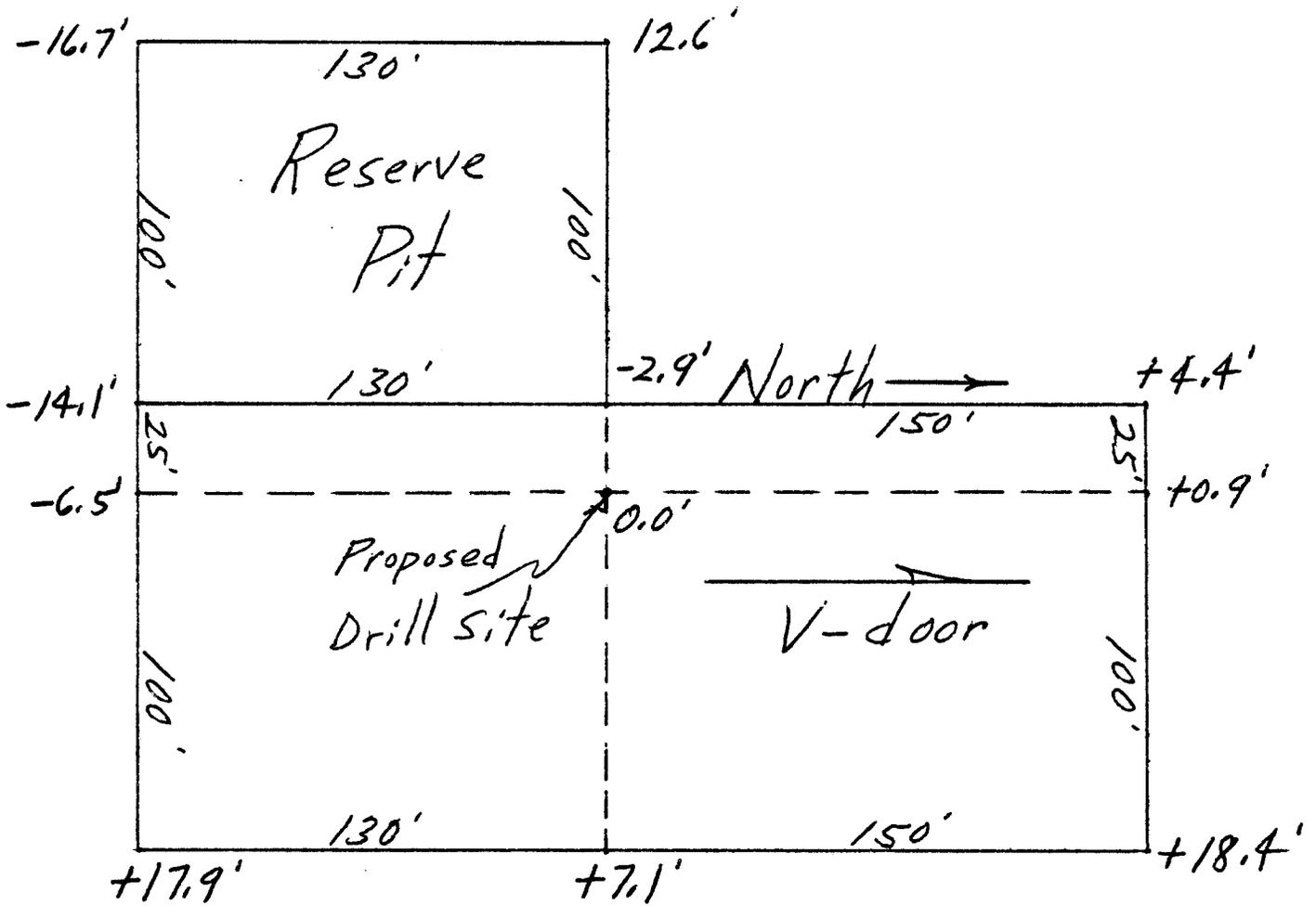
Scale - 4 inches equals 1 mile

Surveyed November 10, 19 84

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

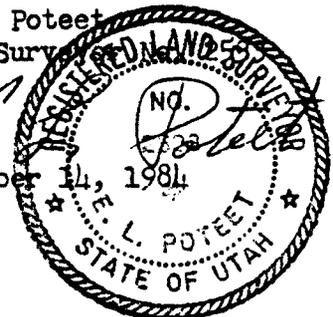


Texaco Inc.
Aneth Unit Well No. H116
660' FNL & 800' FEL Sec. 16-40S-24E
San Juan County, Utah



E. L. Poteet
Utah Surveyor

November 14, 1984



Minimum equipment requirements are:

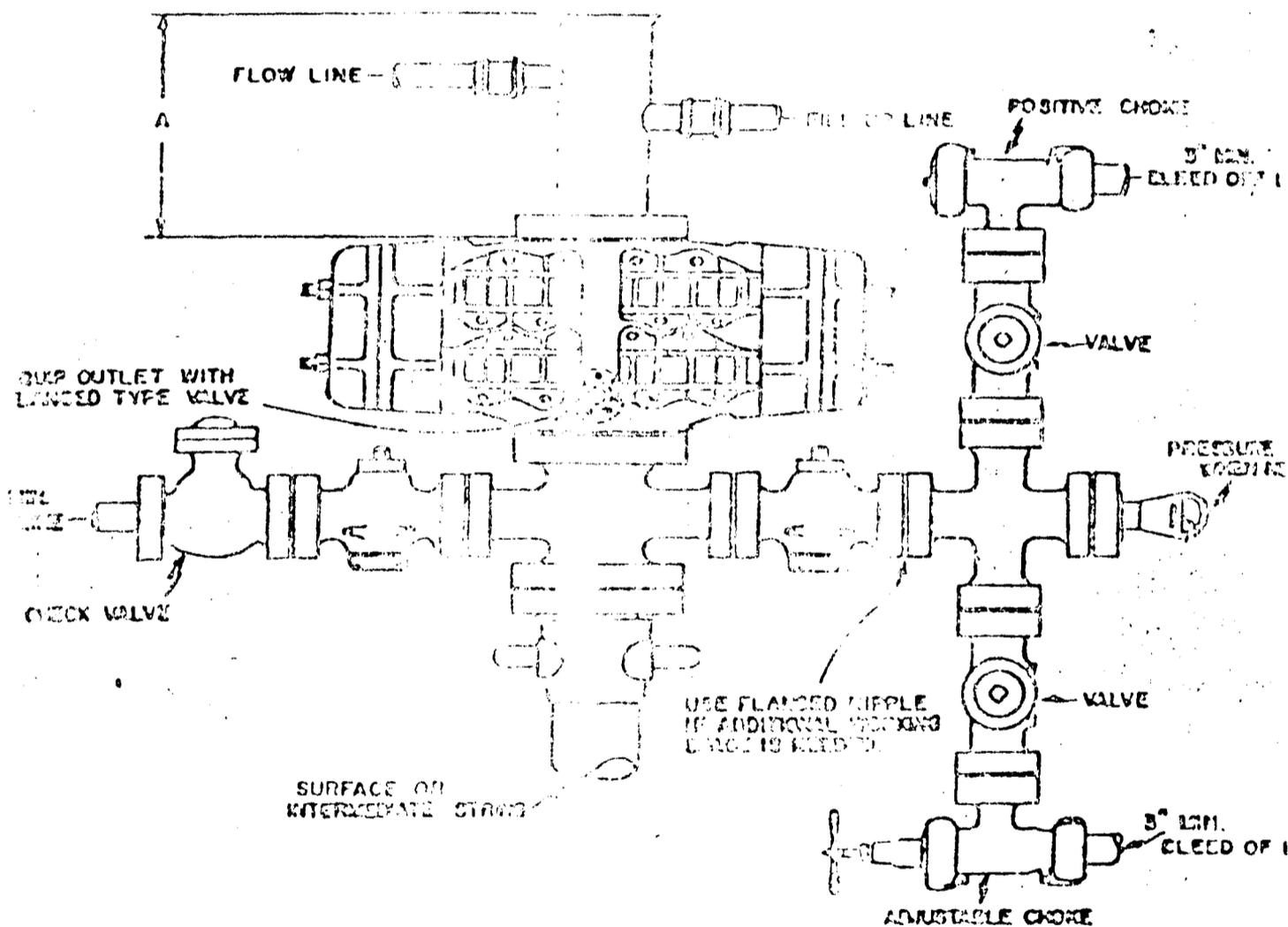
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. See 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 EQUIVALENT. 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
[Signature]

TEXACO INC	
DENVER, COLORADO	
BLOWOUT PREVENTER ASSEMBLY	
STANDARD NO. 2	
DATE DESIGNED	DATE OF TEST
DATE REVISED	DATE APPROVED
DESIGNED	TESTED

POOR COPY

ADDITIONAL INFORMATION

H116

- 1) Conductor: 100' of 13 5/8" OD 48# #40 St&C casing.
Surface casing: 1500' of 8 5/8" OC 24# K-55 St&C casing.
- 2) Production casing: 0-5190: 5190' of 5½" OC 14# K-55 St&C casing.
5190-5725: 550' of 5' " OD 15.5# K-55 St&c casing
(Ruff Coated)
- 3) Blowout Preventer: Schaffer, Double gate, Hydraulic, 900 series.
Tested when surface casing set and at regular intervals.
- 4) 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.
- 5) Anticipated bottom hole pressure: 2500 psi.
- 6) Drilling Fluid:
 - Fresh Water - 0 - 2000'
 - Fresh Water Gel - 2000' - TD

TEXACO

SURFACE USE DEVELOPMENT PLAN
ANETH UNIT WELL NO. H116
NE/NW Sec. 16 T40S - R24E
SAN JUAN COUNTY UTAH

- 1) Existing roads and exit to location are shown on the attached map.
- 2) Planned access road: Road will depart from existing road shown on attached map. The road will be approx. 1320' long 18' wide. There will be some small cuts when building road. No turnouts, 1 culvert. There will be no cattle guards, no fences to cut.
- 3) Offset wells to the proposed wells are shown on attached maps.
- 4) Flow line will run southwest approx. 2640' to existing header. Power line will run east approx. 1320' to existing power line. Shown on attached maps.
- 5) Water for drilling operations will be trucked from Texaco's pressure maintenance system, a distance of approx. 4 miles south of proposed well.
- 6) No additional construction material will be required.
- 7) All waste material will be contained by earthen and steel pits. Earthen pits will be subsequently back filled and buried. A portable toilet will be furnished for drilling personnel.
- 8) No separate drill campsites are proposed.
- 9) The drilling site location will be graded and will be approx. 230' x 280' with natural drainage to the south. Proper grading will be used to control erosion, and the drilling pad will be compacted soil. There will be approx. 18' cut on the east side and a 14' fill northwest and south well corners of pad.
- 10) All surfaces not used in normal well servicing and maintenance will be cleaned and graded.
- 11) The surface slope to the west, the surface is rocky and sandy, sparsely covered with vegetation normally found in Aneth. (Rabbit Brush, Sage, Snakeweed, Ephedra, Shadscale, Narrow leaf Yucca)

The reserve pit will be fenced on three sides with 2 barbs and woven wire during drilling and on the fourth side when rig moves off, there will be no blading on power line and flowline R.O.W.

Surface Use Development Plan
Continued from Page One.

12) Texaco's Representative:

Mr. A. R. Marx
Field Superintendent
Box EE
Cortez, Colorado 81321
(303) 565-8401

13) Certification:

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 Texaco, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

12/4/84
Date

A. R. Marx
A. R. Marx
Field Superintendent

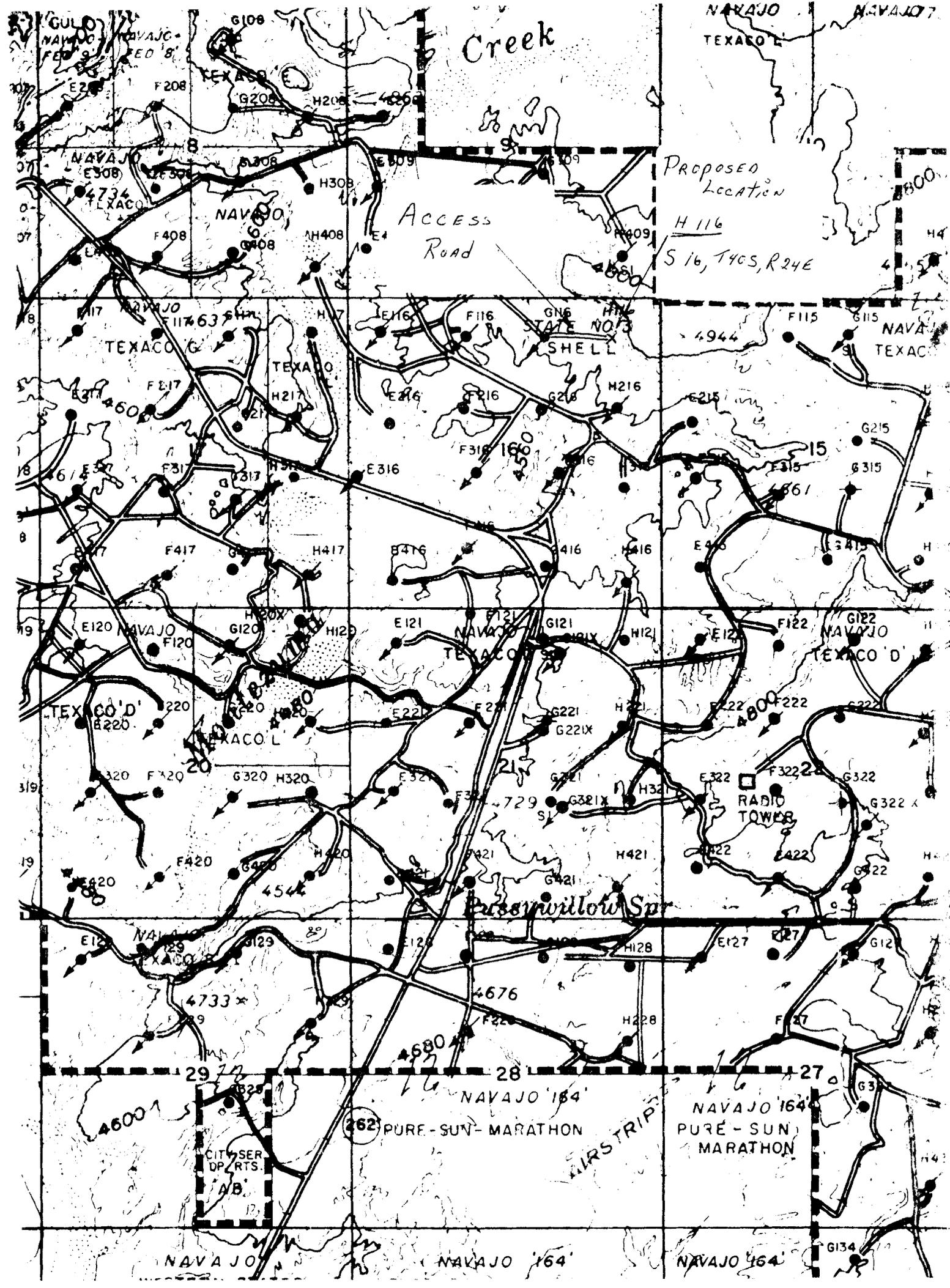
POOR COPY

Creek

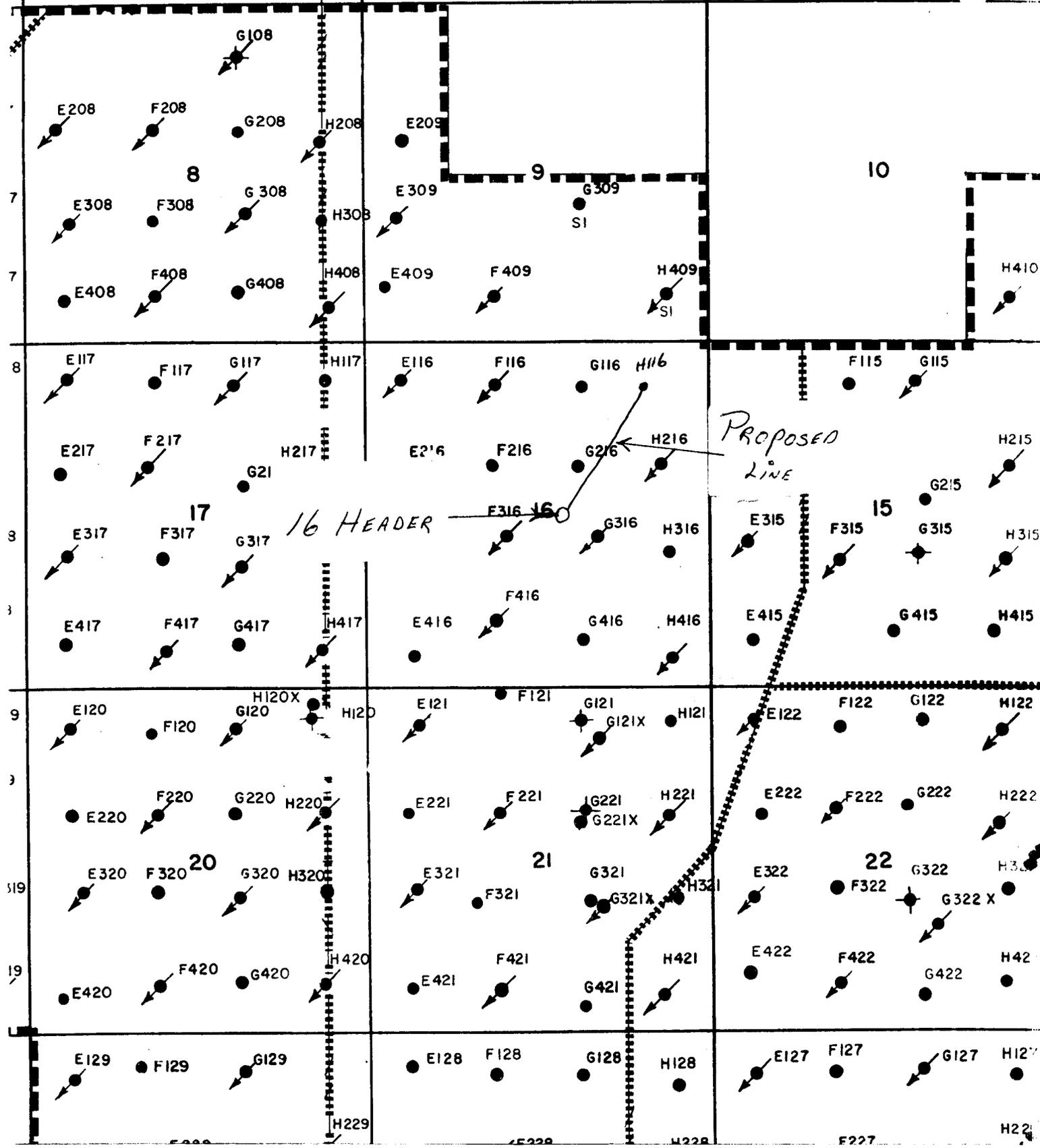
PROPOSED LOCATION

ACCESS ROAD

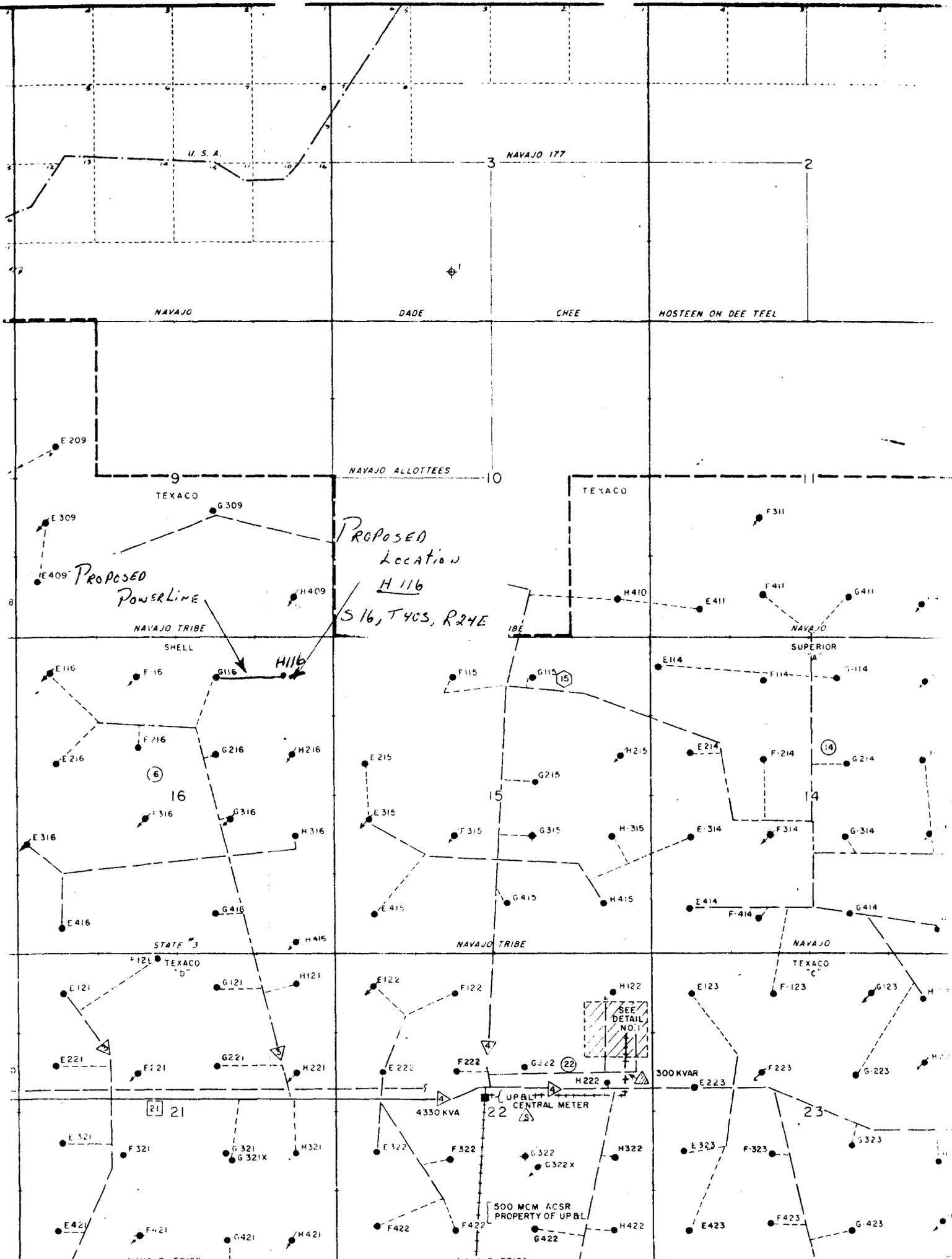
H 116
S 16, T40S, R24E



5 4 3
D
WEST EAST



R. 24 E



PROPOSED
Location
H116
S16, T40S, R24E

X 4944

Flowing Well

4661

4661

4632

4911

Water Tank

4800

Radio Tower

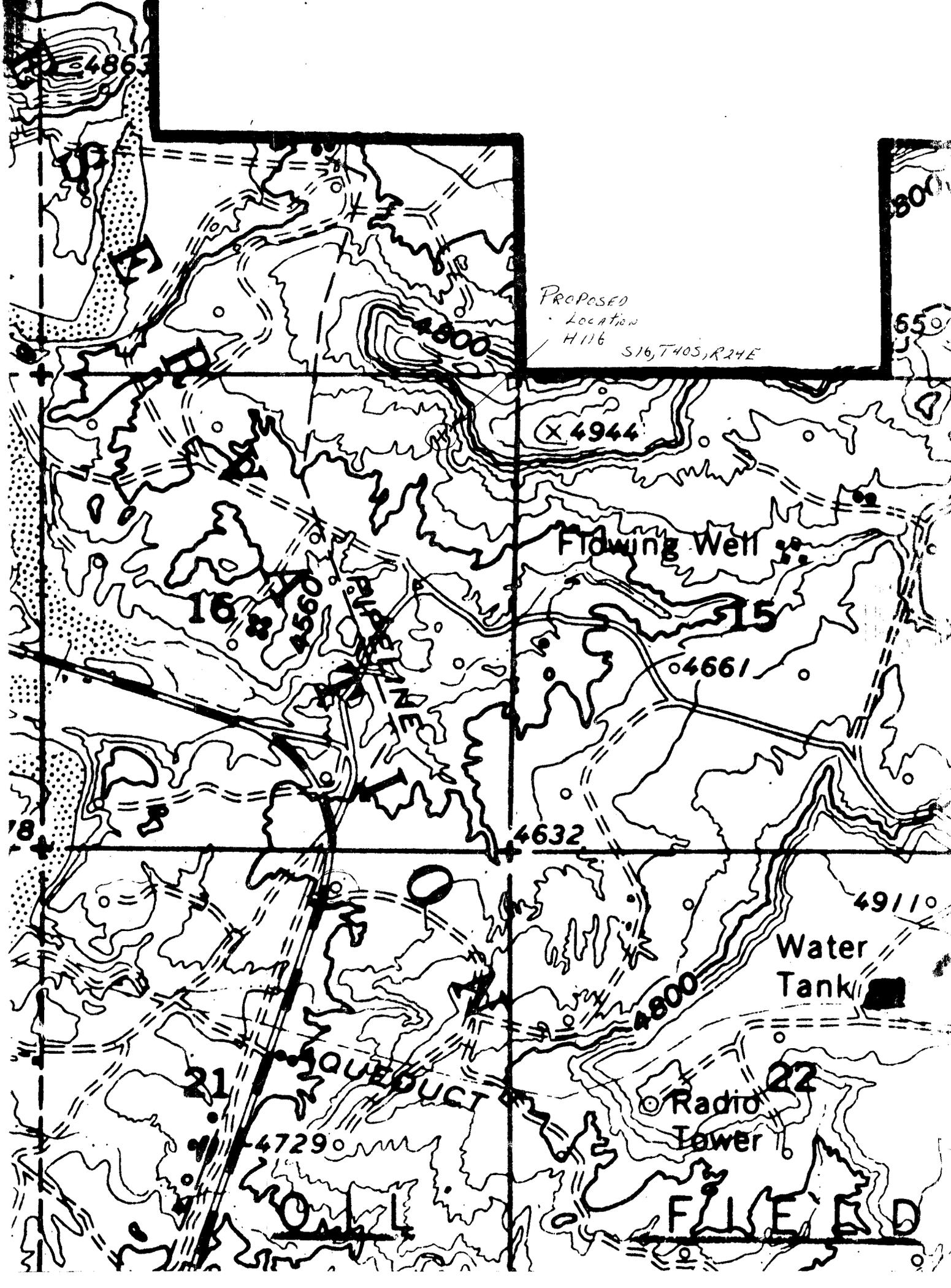
21

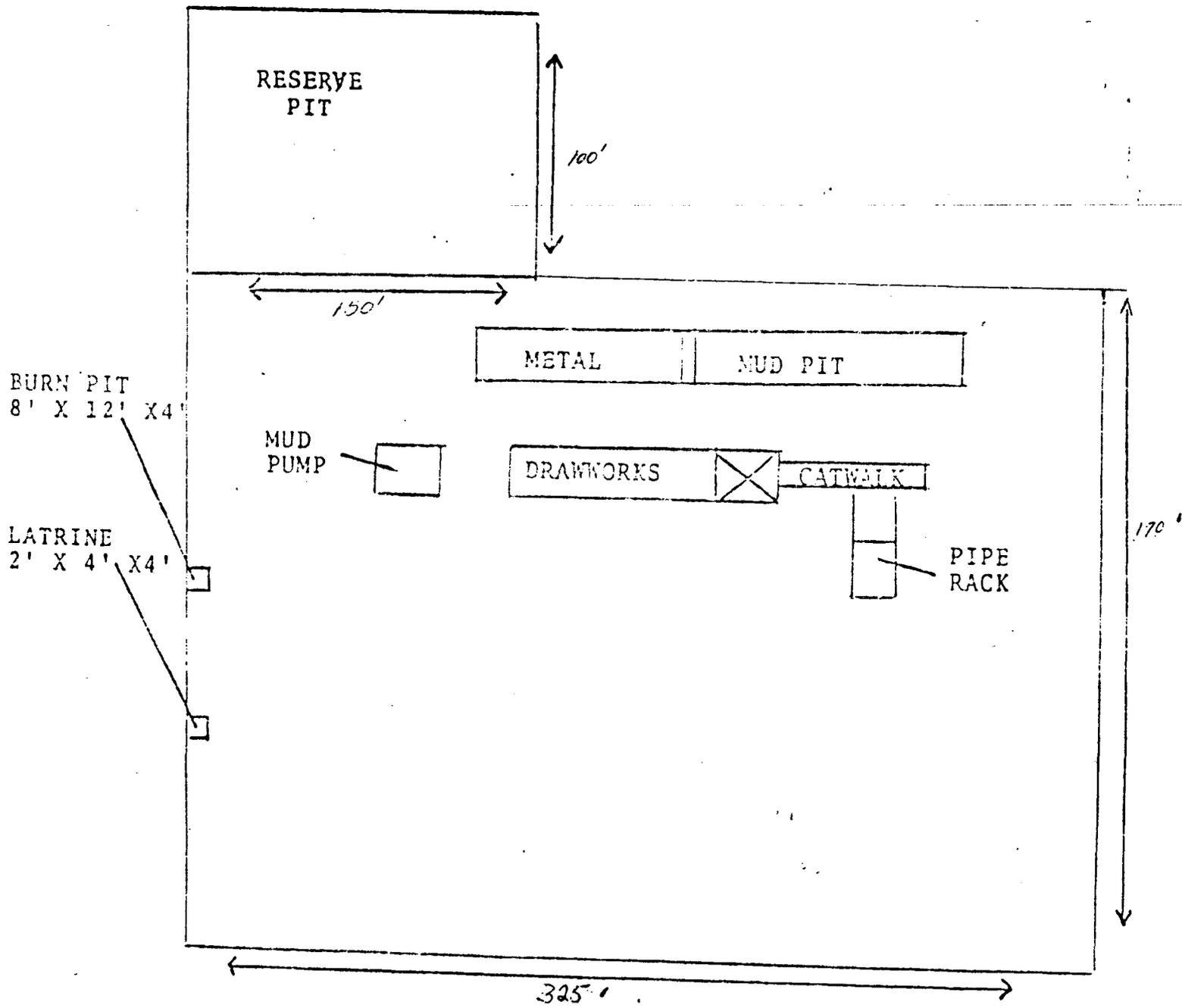
22

4729

CONDUIT

FIELD





OPERATOR Texaco, Inc DATE 12-11-84
WELL NAME Aruth Unit # H116
SEC NE NE 16 T 40S R 34E COUNTY New Jersey

43 037-31118
API NUMBER

State
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Unit well - P.O.D approved 12/3/84
Water &

APPROVAL LETTER:

SPACING:

A-3

Aruth Unit
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 17, 1984

Texaco Inc.
P. O. Box EE
Cortez, Colorado 81321

Attention: A. R. Marx

Gentlemen:

Re: Well No. Aneth Unit H116 - NE NE Sec. 16, T. 40S, R. 24E
660' PNL, 800' FEL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

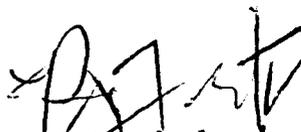
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Texaco Inc.
Well No. Aneth Unit H116
December 17, 1984
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31118.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: State Lands

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: A. R. Marx

3. ADDRESS OF OPERATOR
 P.O. Box EE, Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface NE/NE Sec. 16 - T40S - R24E
 At proposed prod. zone
 660' FNL 900' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 5 miles north of Montezume Creek, Utah

5. LEASE DESIGNATION AND SERIAL NO.
 State of Utah ML-3156

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Aneth Unit

8. FARM OR LEASE NAME
 Unit

9. WELL NO.
 H116

10. FIELD AND POOL, OR WILDCAT
 Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 16 - T40S - R24E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1220'

19. PROPOSED DEPTH
 5725'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4671' GL

22. APPROX. DATE WORK WILL START*
 1-15-85

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Amended APD of 12-4-84 on the above well to show the above change, which was recommended by the BIA. (Moved well location 100' West.)

RECEIVED
JAN 18 1985

DIVISION OF
OIL, GAS & MINING

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 A. R. Marx TITLE Field Supt. DATE 1/15/85

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____

DATE: 1/25/85
BY: A. R. Marx

CONDITIONS OF APPROVAL, IF ANY:

COMPANY Texaco Inc.

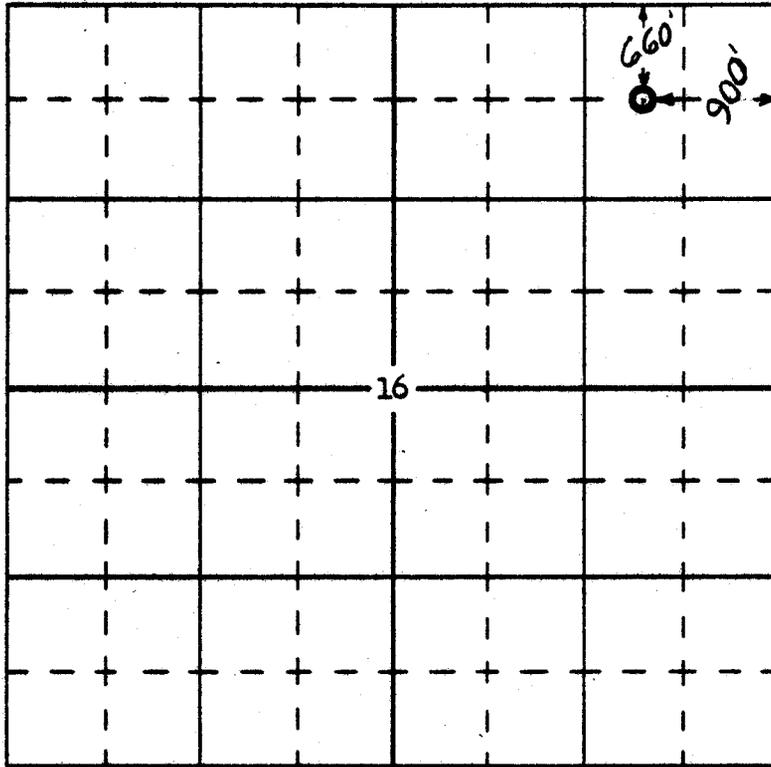
Well Name & No. Aneth Unit Well No. H 116 Lease No. _____

Location 660 feet from North line and 900 feet from East line

Being in San Juan County, Utah

Sec. 16, T.40S., R.24E., S. L. M.

Ground Elevation 4658



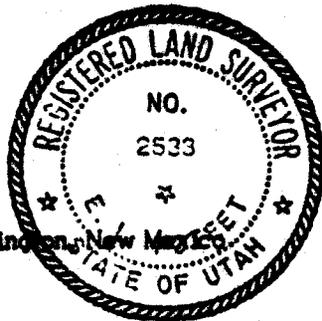
Scale - 4 inches equals 1 mile

Surveyed January 10, 19 85

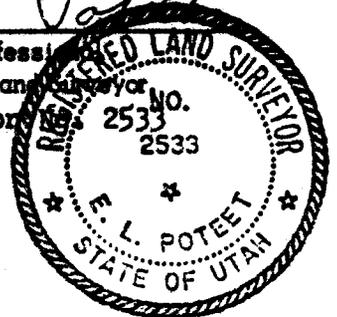
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

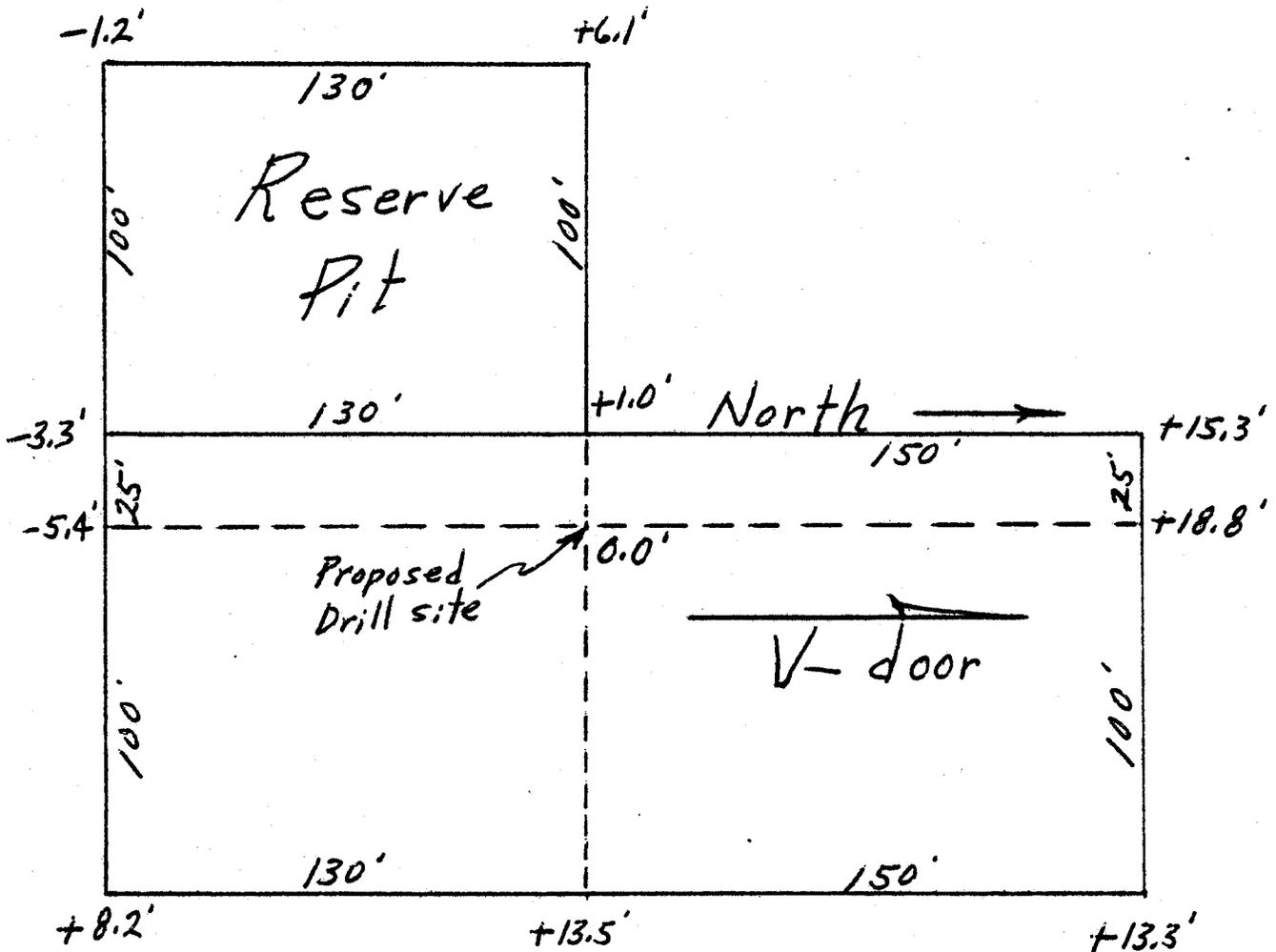
Farmington, New Mexico



Registered Professional
Engineer and Land Surveyor
Utah Surveyor

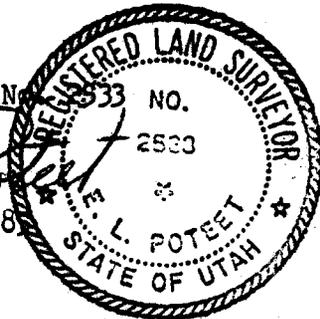


Texaco Inc.
Aneth Unit Well No. H116
660' FNL & 900' FEL, Sec. 16-40S-24E
San Juan County, Utah



E. L. Poteet
Utah Surveyor No. 3333

E. L. Poteet
January 10, 198





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 20, 1985

Texaco, Inc.
P. O. Box EE
Cortez, Colorado 81321

Attention: A. R. Marx

Gentlemen:

Re: Well No. Aneth Unit #H-116 - NE NE Sec. 16, T. 40S, R. 24E
660' FNL, 800' FEL - San Juan County, Utah - API #43-037-31150

In regards to the above referenced well, we have received a duplicate application for this location. Please refer to the approval letter dated December 17, 1984, for this same well. The API number assigned at that time was 43-037-31118.

Please report all correspondence and sundry notices for this well to API #43-037-31118.

We appreciate your cooperation in this matter.

Sincerely,

A handwritten signature in cursive script that reads "Arlene Sollis".

Arlene Sollis
Administrative Analyst



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 20, 1986

Texaco, Inc.
P O Box EE
Cortez, Colorado 81321

Gentlemen:

Re: Well No. Aneth Unit #H116 - Sec. 16, T. 40S, R. 24E
San Juan County, Utah - API #43-037-31118

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,


John R. Baza
Petroleum Engineer

ta

cc: Dianne R. Nielson
Ronald J. Firth
File

0381S/10