

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT abd

DATE FILED **8-23-84**

LAND FEE & PATENTED _____ STATE LEASE NO _____ PUBLIC LEASE NO _____ INDIAN **I-149-IND-8834**

DRILLING APPROVED **10-9-84 - OIL**

SPUDED IN _____

COMPLETED _____ PUT TO PRODUCING _____

INITIAL PRODUCTION _____

GRAVITY API _____

GOR _____

PRODUCING ZONES _____

TOTAL DEPTH _____

WELL ELEVATION _____

DATE ABANDONED **NA. Application Rescinded 1-25-86**

FIELD: **ANETH**

UNIT: **ANETH**

COUNTY: **SAN JUAN**

WELL NO: **ANETH UNIT #E 308-I** **API #43-037-31075**

LOCATION: **1200' FSL** FT FROM (N) (S) LINE. **1320' FWL** FT FROM (E) (W) LINE **C SW** 1.4 - 1.4 SEC **8**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
40S	24E	8	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 ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Texaco Inc. Attention: A. R. Mary

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface C - SW/4, Sec. 8
 At proposed prod. zone 1200' FSL & 1320' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 5 miles NW of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1200'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 675'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4748' GL

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#	1560'	Cir to surface
7 7/8"	5 1/2"	14#; 15.5#	5800'	1st Stage - 300 Sacks 2nd Stage - 575 Sacks

Propose to drill this infield well in order to gain optimum primary and secondary oil recovery from the Aneth Unit. Samples will be taken at 10' intervals from 5000' to TD. No cores or DST's are planned, logs will be run from surface casing to TD. DV collar to be run below DeChelly and cement to bottom of surface casing. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached Exhibit and tested at regular intervals. Necessary steps will be taken to protect the environment.

ESTIMATED FORMATION TOPS
 Chinle - 1536' Ismay - 5430' Desert Creek - 5588'

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. Mary TITLE Field Superintendent DATE 8-1-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COMPANY Texaco Inc.

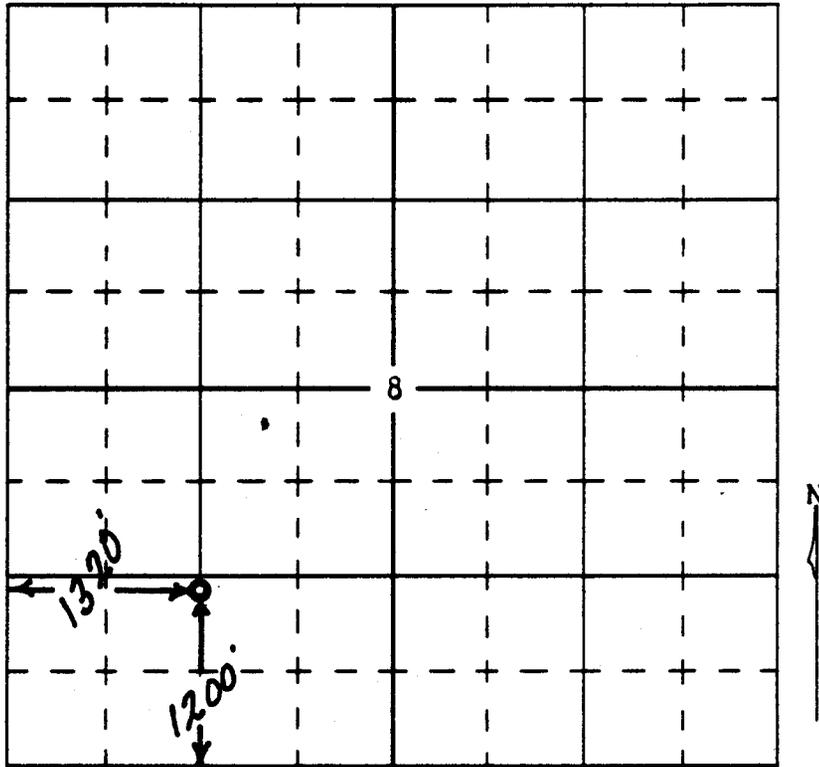
Well Name & No. Aneth Unit Well No. E308I Lease No. _____

Location 1200 feet from South line and 1320 feet from West line

Being in San Juan County, Utah

Sec. 8, T.40S., R.24E., S.L.M.

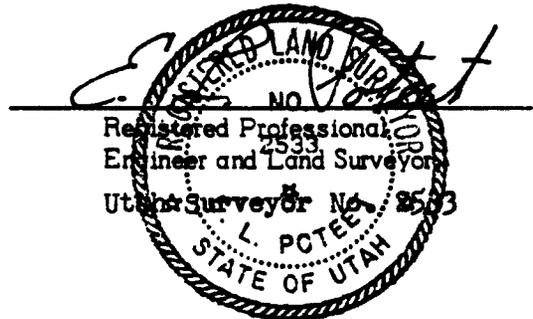
Ground Elevation 4748



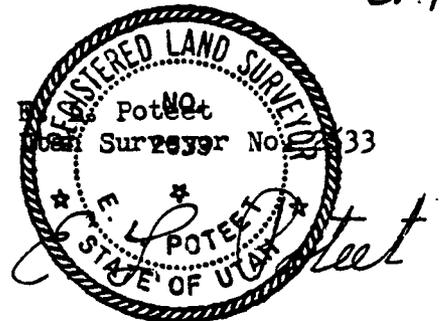
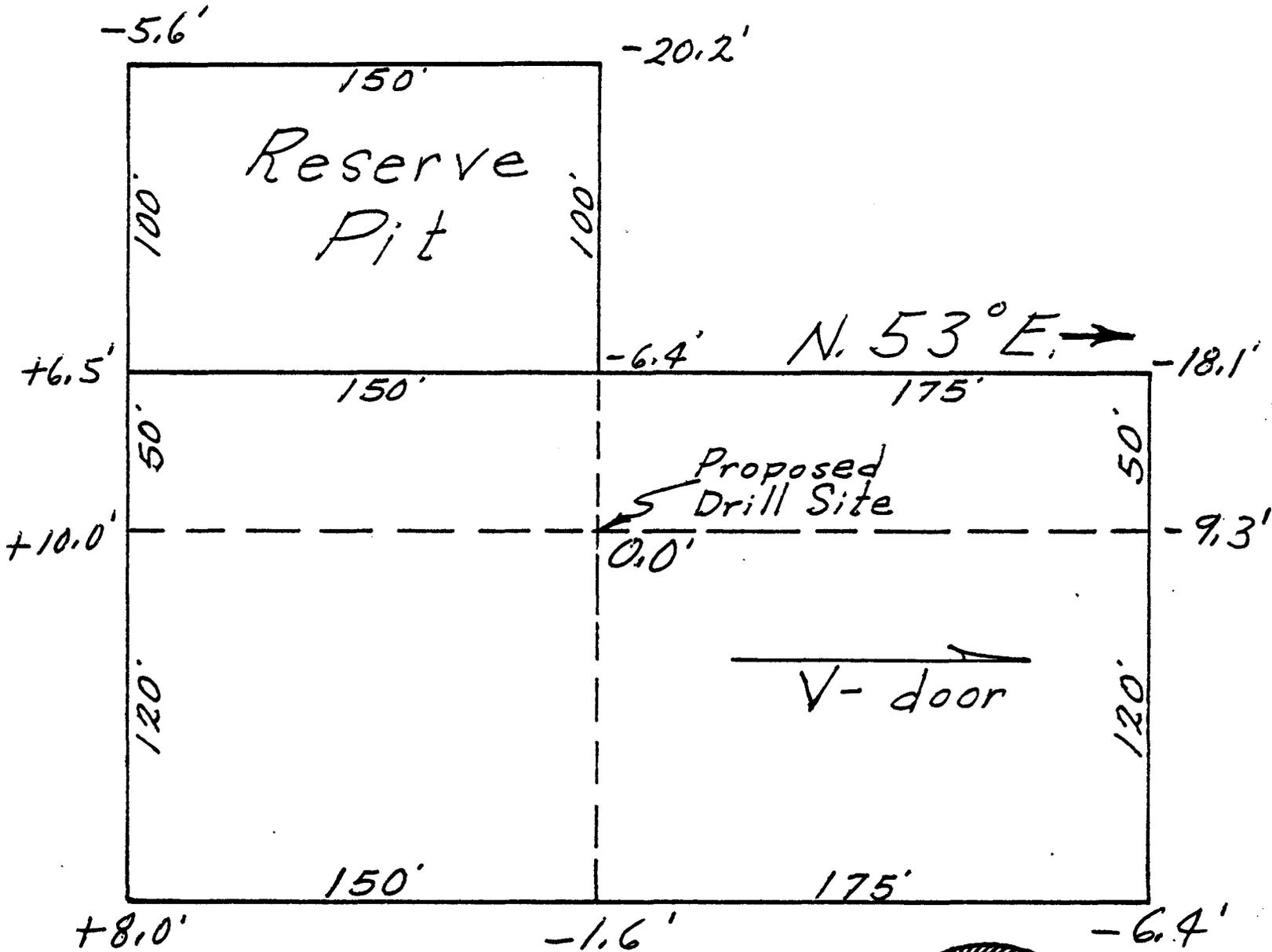
Scale - 4 inches equals 1 mile

Surveyed July 5, 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. E308I
1200' FSL & 1320' FWL Sec. 8-40S-24E
San Juan County, Utah



July 18, 1984

Minimum equipment requirements are:

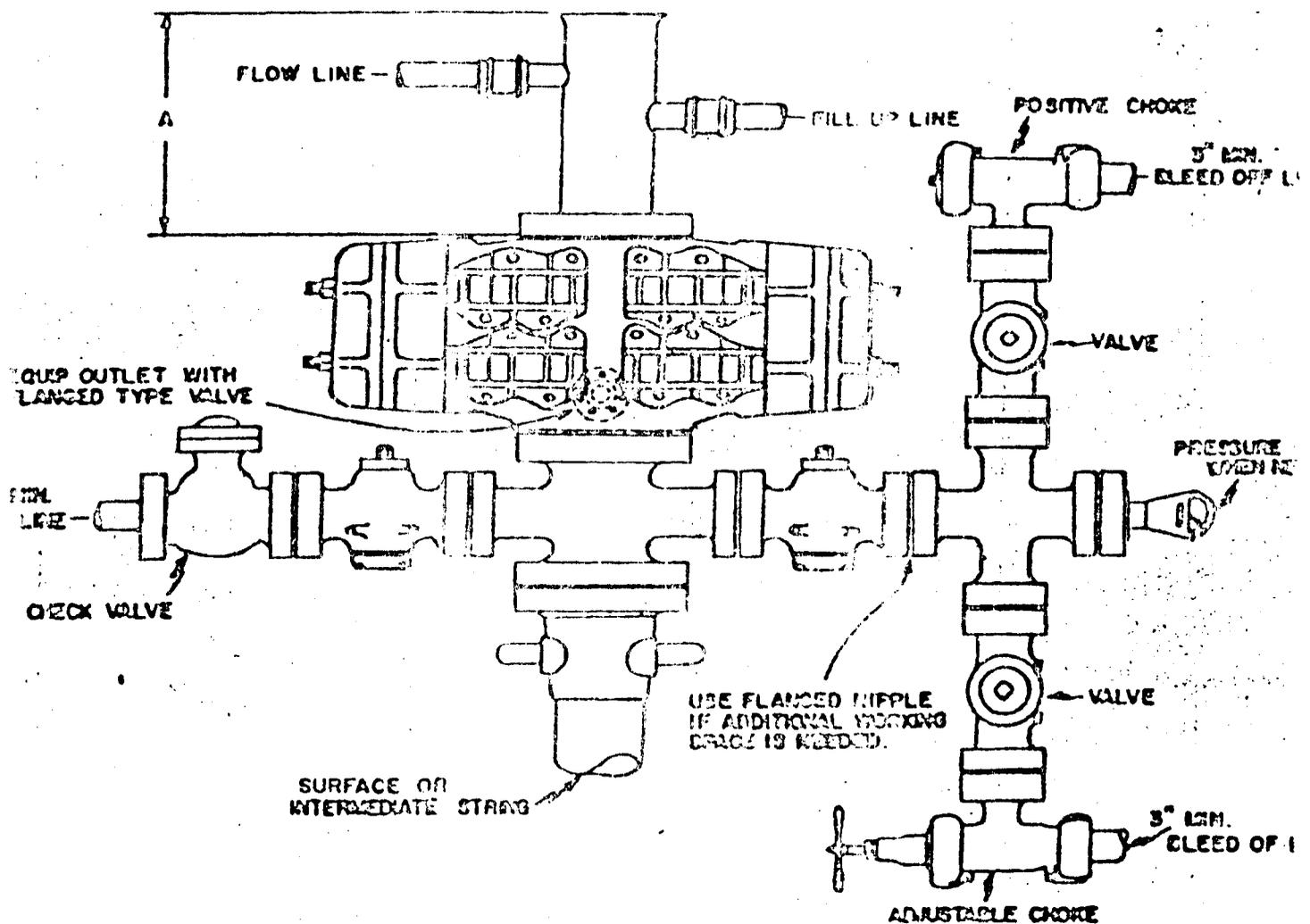
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

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

TEXACO INC	
DENVER, COLORADO	
BLOWOUT PREVENTER ASSEMBLY	
STANDARD NO. 2	
DESIGN BY E.A.B.	CHECK BY E.A.B.
DATE 11-1-51	FILE 443002
REVISED	BY

POOR COPY

ADDITIONAL INFORMATION

- 1) Surface casing: 1560' of 8 5/8" OD 24# K-55 ST & C casing.
- 2) Production casing:
0-5250 : 5250' of 5 1/2" OD 14# K-55 ST & C casing.
5250 - 5800 : 550' of 5 1/2" 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

POOR COPY

Surface Use Development Plan
Aneth Unit Well No. E308I
C - SW/4 Sec. 8, T-40S, R-24E
San Juan County, Utah

- 1) Existing Roads and exit to the location are shown on the attached map (Map #1).
- 2) Planned access road: Access road will be as shown on the attached map (Map #1). The road will be on the upper side of the location. There will be no cut when building road. There will be no turnouts, culverts, or surface materials required. There will not be any need for fences to be cut or cattleguards to be put in.
- 3) Off set wells to the proposed well are shown on the attached map (Map #1).
- 4) Flowline will run East approximately 1320' to the existing 20-08 header. Powerline will run East approximately 1320' to existing power line. (Shown on attached Maps #2 and #3)
- 5) Water for drilling operations will be trucked from Texaco's pressure maintenance system, a distance of approximately five miles Southeast of the 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 chemical 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 approximately 250' X 250' with natural drainage to the East. Proper grading will be used to control erosion and the drilling pad surface will be compacted soil. There will be approximately an eight foot cut on the Southeast side of the location with approximately twenty feet offill on the West side.
- 10) All surfaces not used in normal well servicing and maintenance will be cleaned and graded.
- 11) This location slopes at an increase of twenty feet per 250' to the East. The surface is sandy and rocky, sparsely covered with vegetation normally found in the Aneth Unit area (Rabbit Brush, Sage, Snake Weed, Ephedra, Shadscale, Narrow Leaf Yucca, Prickly Pear, Galleta, Indian Rice Grass, Brome, and Three-Awn).

Surface Use Development Plan
Continued from Page One.

12) Texaco's Representative:

Mr. A. R. Marx
Field Supertientend
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.

7/29/84
Date

A. R. Marx by James S. Hager
A. R. Marx
Field Supertientend

MAP #1

Creek

PROPOSED LOCATION E308I

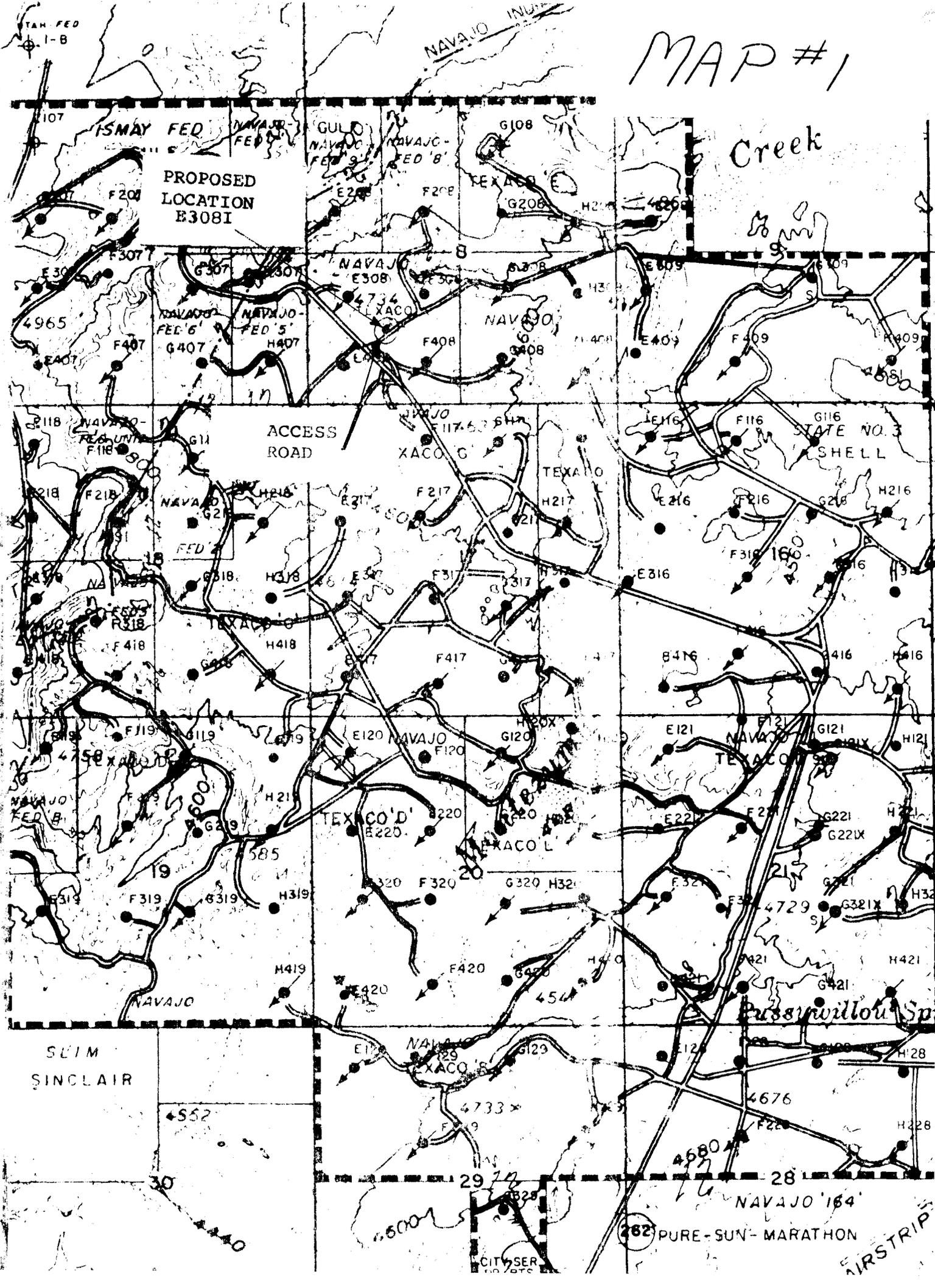
ACCESS ROAD

STATE NO. 3 SHELL

Crosswillow Sp

SLIM SINCLAIR

PURE-SUN-MARATHON AIRSTRIP



INDIAN

U.S.A

6

5

Utah Federal
I-B

U.S.A.

U.S.A.

Navajo

Navajo

Gulf

Gulf

Texaco E

E107

E207

F207

G207

H207

E208

G108

H208

E209

MAP #2

ROPOSEI
LINE

Navajo-Fed
"9"

Texaco "L"

Texaco "E"

G309

Navajo-Fed.
"6"

Navajo-Fed.
"5"

Navajo-Tribe

Navajo Allc

HEADER
20-08

E408

F408

F409

H409

Ismay Fed.

Navajo-Fed.
Unit

Navajo Tribe

Gulf

E118

G118

S1

Texaco "G"

G117

E116

Shell

F116

Navajo-Fed.
"2"

H218

F217

H217

E216

G216

H216

Navajo-Fed.
"4"

Navajo-Fed.
"3"

G318

17

E317

G317

E316

F416

16

G316

H316

Texaco "G"

Navajo Tribe

F417

State No.3

Navajo Tribe

F418

H418

E416

G416

H416

Texaco "D"

Texaco "D"

Texaco "L"

Texaco "D"

west-D-east

Navajo-Fed.
"8"

E119

G119

E120

G120

E121

G121

F219

H219

F220

H220

F221

H221

19

20

21

E319

F319

G319

E320

G320

E321

G321

Navajo Tribe

H419

Navajo Tribe

F420

H420

Navajo Tribe

F421

H421

Sinclair

Texaco "S"

Pure-Sun-Marathon

Std. of Calif.

E129

G129

E128

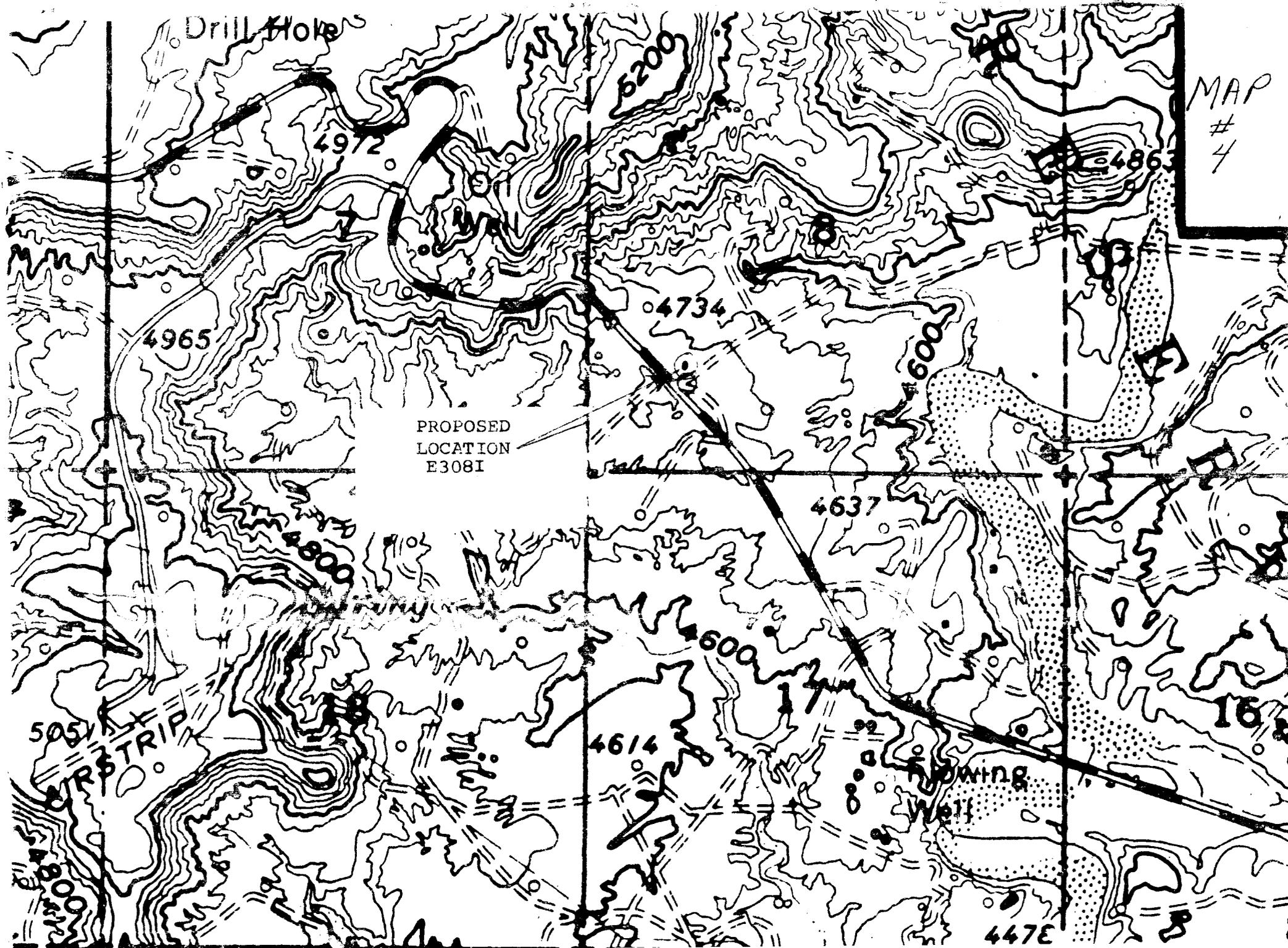
G128

H220

H420

H228

H229



Drill Hole

MAP

4

PROPOSED
LOCATION
E308I

505
STRIP

WELL

4965

4972

6200

4734

4863

6000

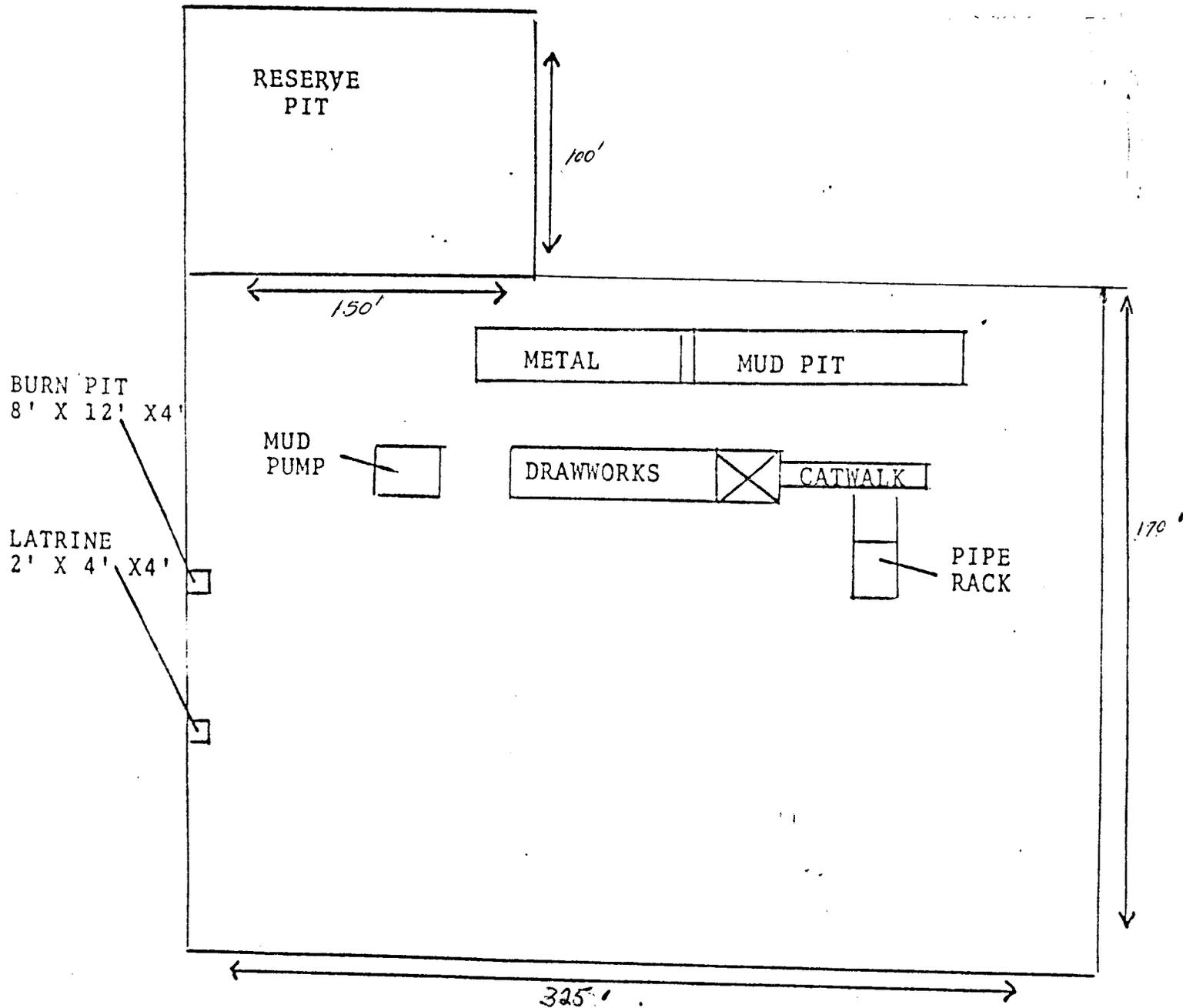
4637

4600

4614

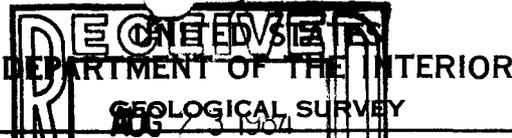
447E

16



- RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- AUTHENTICATE LEASE AND OPERATOR INFORMATION
- VERIFY ADEQUATE AND PROPER BONDING
- AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- APPLY SPACING CONSIDERATION
 - ORDER _____
 - UNIT _____
 - c-3-b
 - c-3-c
- CHECK DISTANCE TO NEAREST WELL.
- CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.
- VERIFY LEGAL AND SUFFICIENT DRILLING WATER

13



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DIV. OF OIL, GAS & MINING 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
 BOX EE, Cortez, CO. 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 C - SW/4, Sec. 8
 At proposed prod. zone
 1200' FSL & 1320' FW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 5 miles NW of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1200'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 675'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4748' GL

5. LEASE DESIGNATION AND SERIAL NO.
 T-149-IND-8834
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo
 7. UNIT AGREEMENT NAME
 Aneth Unit
 8. FARM OR LEASE NAME
 Unit
 9. WELL NO.
 E308I
 10. FIELD AND POOL, OR WILDCAT
 Aneth Field
 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
 Sec 8, T40S, R24E SLM
 12. COUNTY OR PARISH 13. STATE
 San Juan Utah

16. NO. OF ACRES IN LEASE
 20

17. NO. OF ACRES ASSIGNED TO THIS WELL
 20

20. ROTARY OR CABLE TOOLS
 Rotary
 22. APPROX. DATE WORK WILL START*
 8-15-84

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#	1560'	Circ to surface 396 cu ft
7 7/8"	5 1/2"	14#, 15.5#	5800'	1st Stage 354 cu ft 2nd Stage 679 cu ft

Purpose to drill this infield well in order to gain optimum primary and secondary oil recovery from the Aneth Unit. Samples will be taken at 10' intervals from 5000' to TD. No cores or DST's are planned, logs will be run from surface casing to TD. DV collar to be run below DeChelly and cement to bottom of surface casing. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached Exhibit and tested at regular intervals. Necessary steps will be taken to protect the environment.

ANETH UNIT INFILL WELLS ESTIMATED TOPS AS PER BLM REQUEST
 E308I ESTIMATED FORMATION TOPS

Bluff	230'	Wingate	1120'	Ismay	5430'
Summerville	473'	Chinle	1535'	Desert Creek	5588'
Todilto	545'	DeChelly	2655'		
Entrada	565'	Hermosa	4610'		
Navajo	720'				

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 Superintendent DATE 8-17-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE 10/19/84
 BY: [Signature]



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

October 9, 1984

Texaco, Inc.
Box EE
Cortez, Colorado 81321

Gentlemen:

Re: Well No. Aneth Unit #E 308-I - C SW Sec. 8, T. 40S, R. 24E
1200' FSL, 1320' FWL - 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) 533-5771, (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.

Page 2
Texaco, Inc.
Well No. Aneth Unit #E 308-I
October 9, 1984

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 43-037-31075.

Sincerely,



R. G. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs



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

January 2, 1986

Bureau of Land Management
Branch of Fluid Minerals
P O Box 970
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Dear Carol:

Re: Well No. Aneth Unit E 308-I - Sec. 8, T. 40S, R. 24E
San Juan County, Utah - I-149-IND-8834
Operator of Record: Texaco, Inc.

The above referenced well in your district was given federal approval to drill August 17, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,


Tami Searing
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/12



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

April 25, 1986

Texaco, Inc.
Box EE
Cortez, Colorado 81321

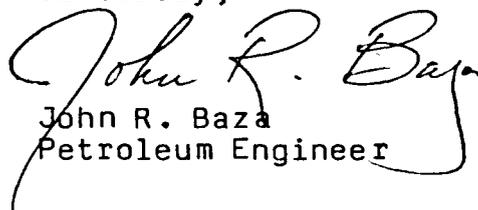
Gentlemen:

RE: Well No. Aneth Unit E 308-I, Sec.8, T.40S, R.24E,
San Juan County, Utah, API NO. 43-037-31075

Per your request, approval to drill the subject well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM - Farmington
D. R. Nielson
R. J. Firth

Well file

0278T-48