

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-24484
G. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-2977

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribe AS

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Wildcat Mississippi
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

28,27N-19W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒ re-enter

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Petroleum Energy, Inc

3. ADDRESS OF OPERATOR

Box 2121, Durango, Colorado 81301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface SW SW: 660 N of S line and 660 E of W line

M At proposed prod. zone same

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

Shiprock, New Mexico 15 miles Southwest

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

2560

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.

none

19. PROPOSED DEPTH

6000' (Miss)

20. ROTARY OR CABLE TOOLS

rotary

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

5750 GR

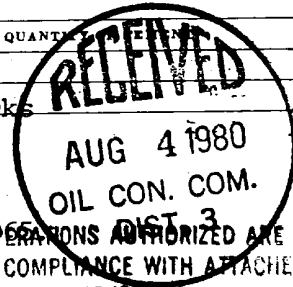
22. APPROX. DATE WORK WILL START*

July 10, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY
7 7/8	4 1/2	10.5#	6000'	200 sacks

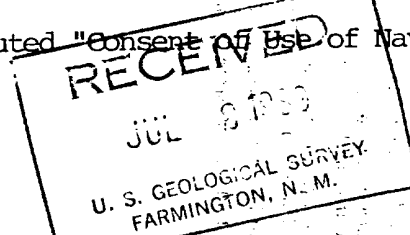
This action is subject to administrative
appeal pursuant to 30 CFR 290.



Well was originally drilled by Texaco, Inc in July and August of 1965. DRILLING OPERATIONS AUTHORIZED ARE
Presently has 16" at 125 wh 130 sacks SUBJECT TO COMPLIANCE WITH ATTACHED
10 3/4 at 1470 wh 200 sacks "GENERAL REQUIREMENTS"

Lease N)) -C-14-20-2977 covers Sections 21, 22, 27 and 28, 27N-19W, San Juan Cty, New Mexico.

Compliance Officer and Grazing Lessors have executed "Consent to Use of Navajo Tribal Lands"
Copy of approval attached.



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

Jay Magness

TITLE

agent

DATE

June 30, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Steve Wamby

TITLE

DATE

Well C-104 for new C-102's

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Date June 25, 1965

Section A.

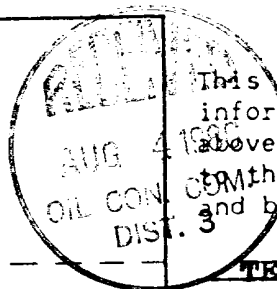
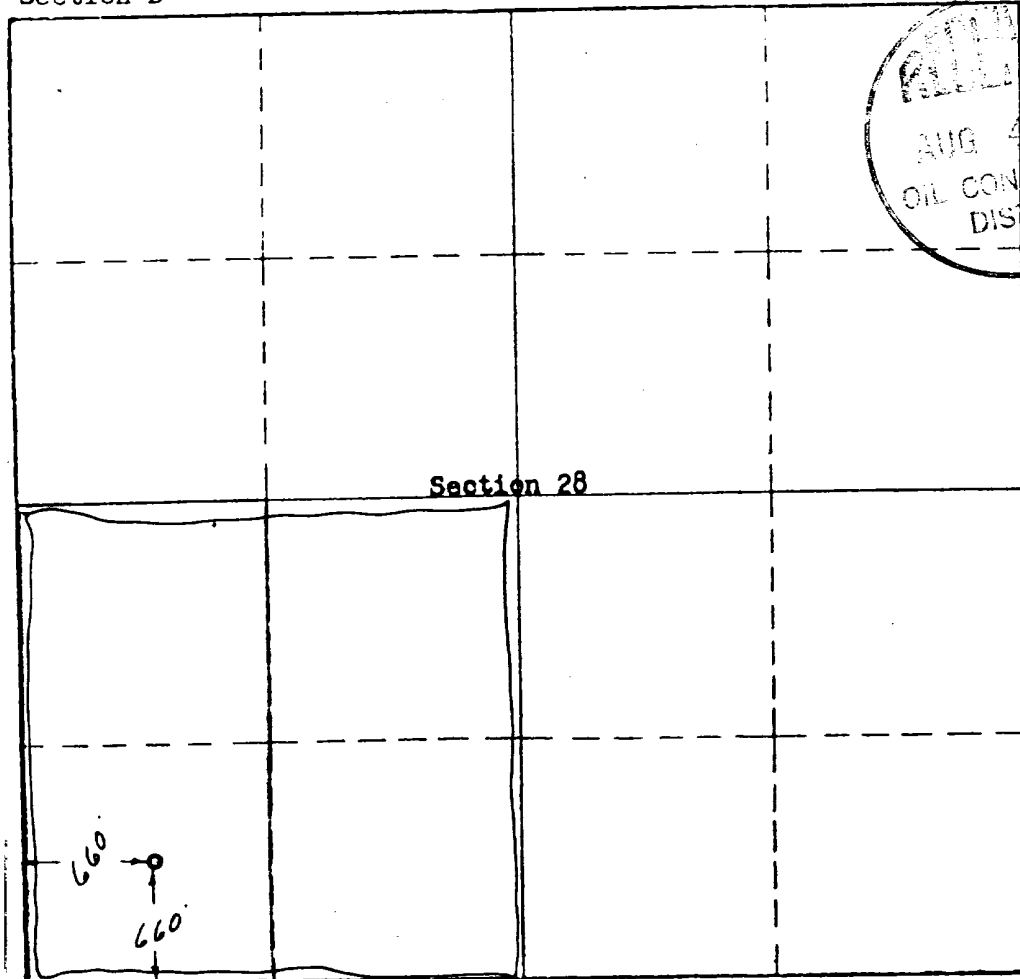
Operator Texaco, Inc. PETROLEUM ENERGY Lease Navajo Tribe "AS"
Well No. 1 Unit Letter M Section 28 Township 27 North Range 19 West NMPM
Located 660 Feet From South Line, 660 Feet From West Line
County San Juan G. L. Elevation 5750 Dedicated Acreage 80 / 160 Acres
Name of Producing Formation Wildcat Pool Wildcat

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes X No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

TEXACO Inc.
(Operator)

C. P. Farmer
C. P. Farmer, Dist. Supt.
(Representative)

Box 810, Farmington, N.M.
Address 87401

This is to certify that the well location shown on the plat in Section B 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 June 26, 1965

W. L. Potee
Registered Professional
Engineer and Land Surveyor.

Certified Notary Public 3081

TEN POINT PROGRAM

PETROLEUM ENERGY, INC. - NAVAJO "AS"
Section 28, T-27-N, R-19-W
San Juan County, New Mexico

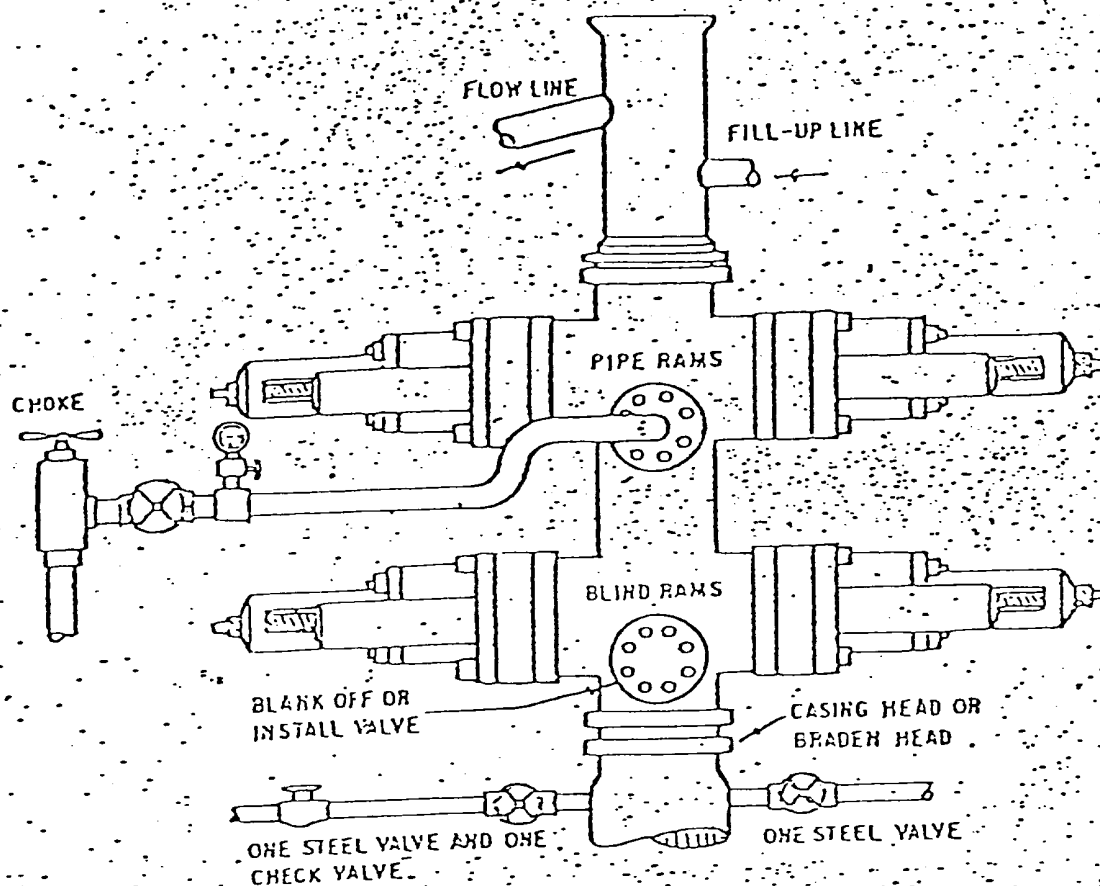
1. The Mancos Formation is on the surface.
2. Tops of formations are:

DeChelly 2894	Barker Creek 5410
Organ Rock 3524	Lower Paradox 5558
Honaker Trail 4644	Leadville 5730
Ismay 5153	Devonian 5866
Desert Creek 5243	preCambrian 6246
Akah 5350	
3. The estimated depths at which anticipated water, oil or gas may be encountered are: Organ Rock - 3524' (helium) and Mississippian - 5800' (helium).

4. Casing design:

<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CSG. SIZE</u>	<u>WT.</u>	<u>GRADE</u>	<u>NOTE</u>
20"	125	16"	NA	NA	Existing in well
13-3/8"	1470	10-3/4"	NA	NA	Existing in well
7-7/8"	6000	4-1/2"	10.5	K-55	New
16" casing set in July, 1965 by previous operator at 125' with 130 sx.					
10-3/4" casing set in July, 1965 by previous operator at 1470' with 200 sx.					
4-1/2" casing will be set by Petroleum Energy, Inc. at 6000' with 200 sx. neat cement.					

5. Attached is a schematic diagram of the Series 900 pressure control equipment to be used on subject well. Pressure test on installation, and test pipe rams daily and blind rams each trip.
6. Circulation medium will be water and gel-chem mud, about 9.5 weight, 30-45 viscosity, 7-10 water loss. Sufficient mud materials to maintain daily mud requirements, and to handle minor loss circulation and blowout problems shall be maintained at the well site.
7. A full opening valve to fit the drill string will be on the floor at all times, Kelly cocks will be installed in the kelly. Floats at the bit will not be used, and monitoring of the mud system will be visual unless otherwise specified.
8. Logging program will consist of a cased hole log for correlation determination. There will be no cores or DST's.
9. There are no anticipated abnormal pressures, temperatures or other potential hazards, including H₂S.
10. The anticipated starting date is July 15, 1980, and the expected duration of operations is 30 days.



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

ONE DOUBLE GATE BLOWOUT PREVENTER WITH LOWER RAMS BLIND AND UPPER RAMS FOR PIPE, ALL HYDRAULICALLY CONTROLLED, OPENING ON PREVENTERS BETWEEN RAMS.

OPENING TO BE FLANGED, STUDDED OR CLAMPED AND AT LEAST TWO INCHES DIAMETER.

ALL CONNECTIONS FROM OPERATING MANIFOLD TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.

THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE PREVENTERS.

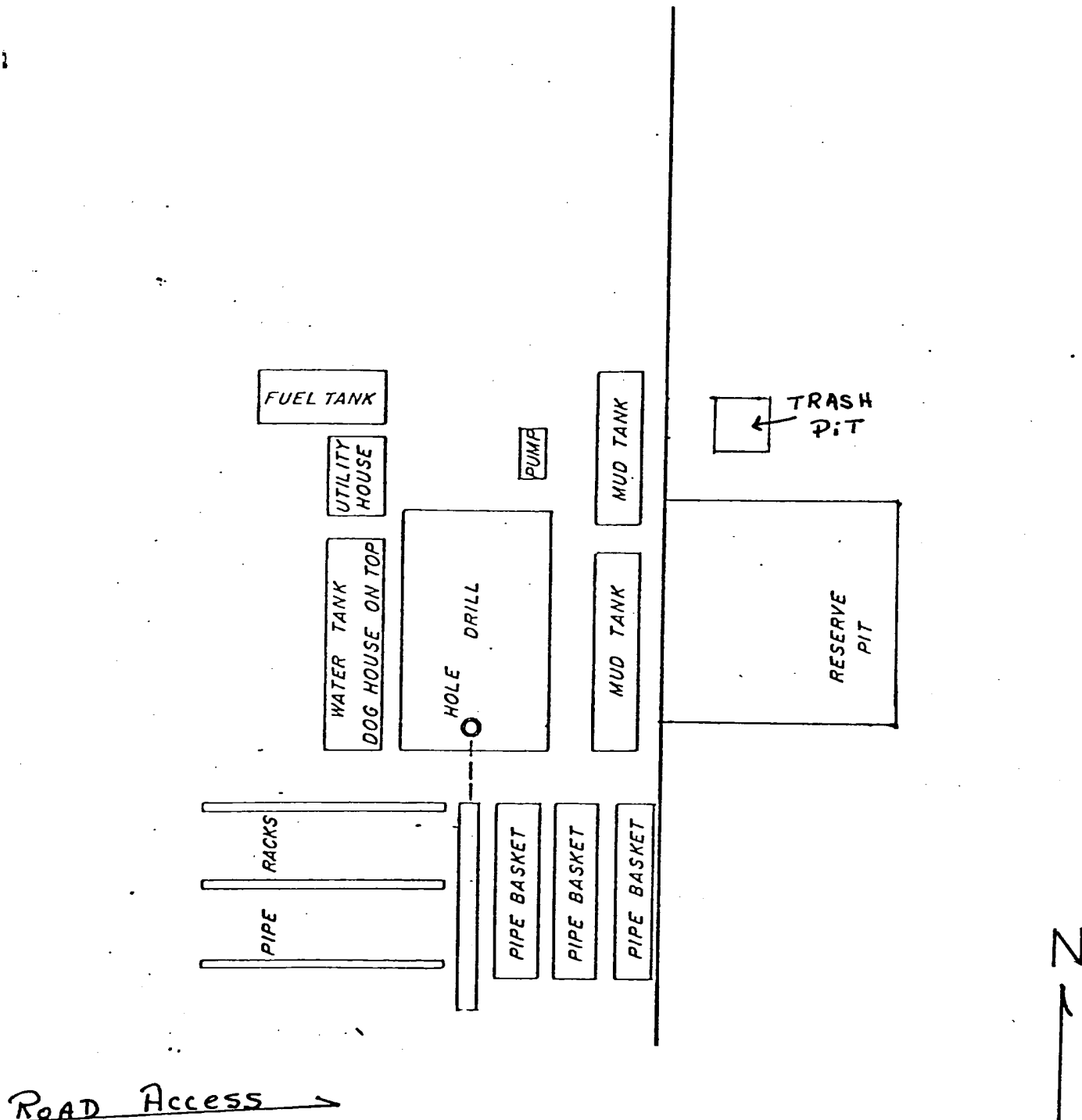
ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.

MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.

VALVE TO CONTROL FLOW THROUGH DRILL PIPE TO BE LOCATED ON RIG FLOOR.

CHOKE MAY BE EITHER POSITIVE OR ADJUSTABLE.

A choke spool may be used between preventers.



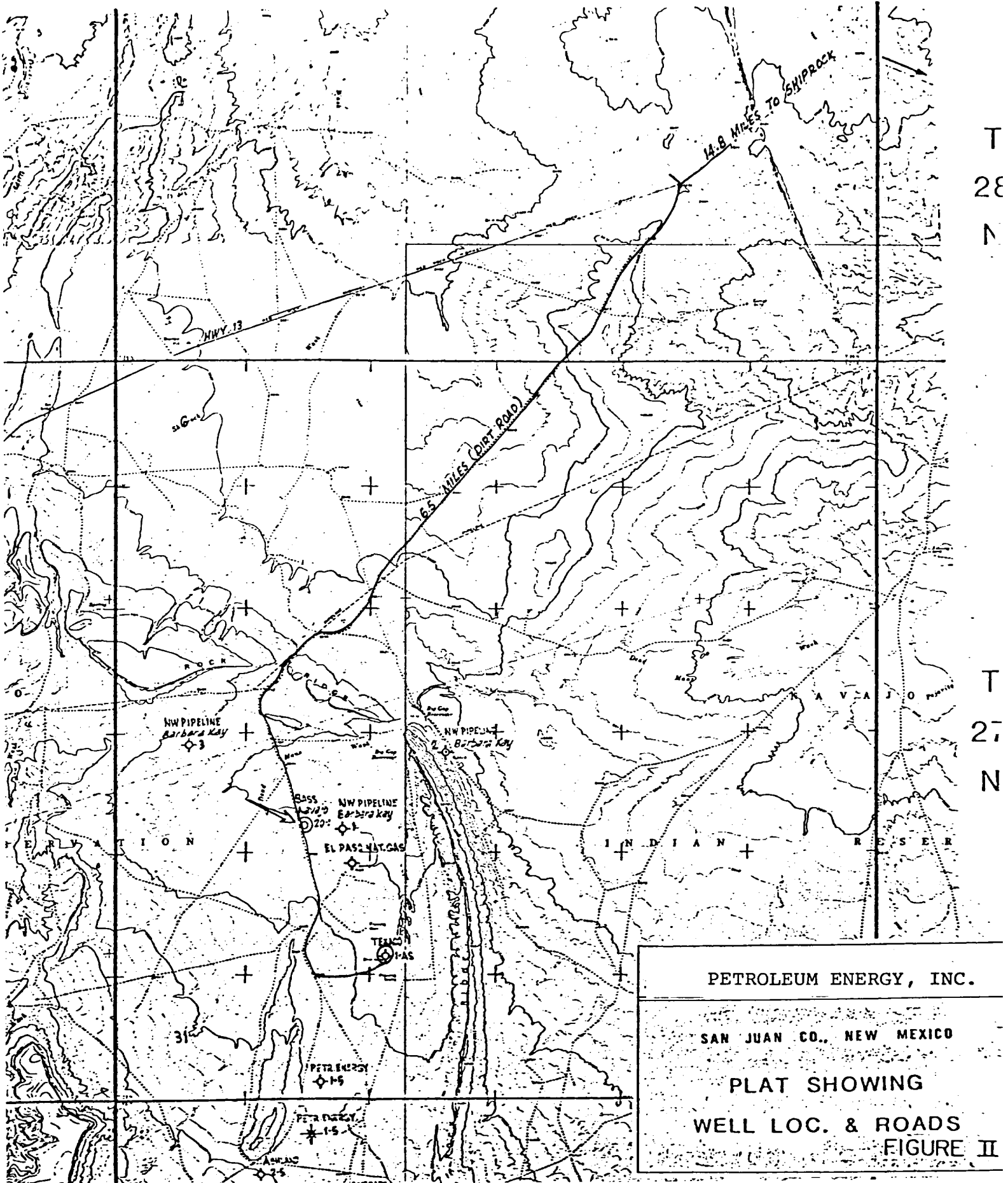
PETROLEUM ENERGY - NAVAJO "AS"
 Section 28, T27N - R19W
 San Juan County, New Mexico
 Scale: 1"=30'

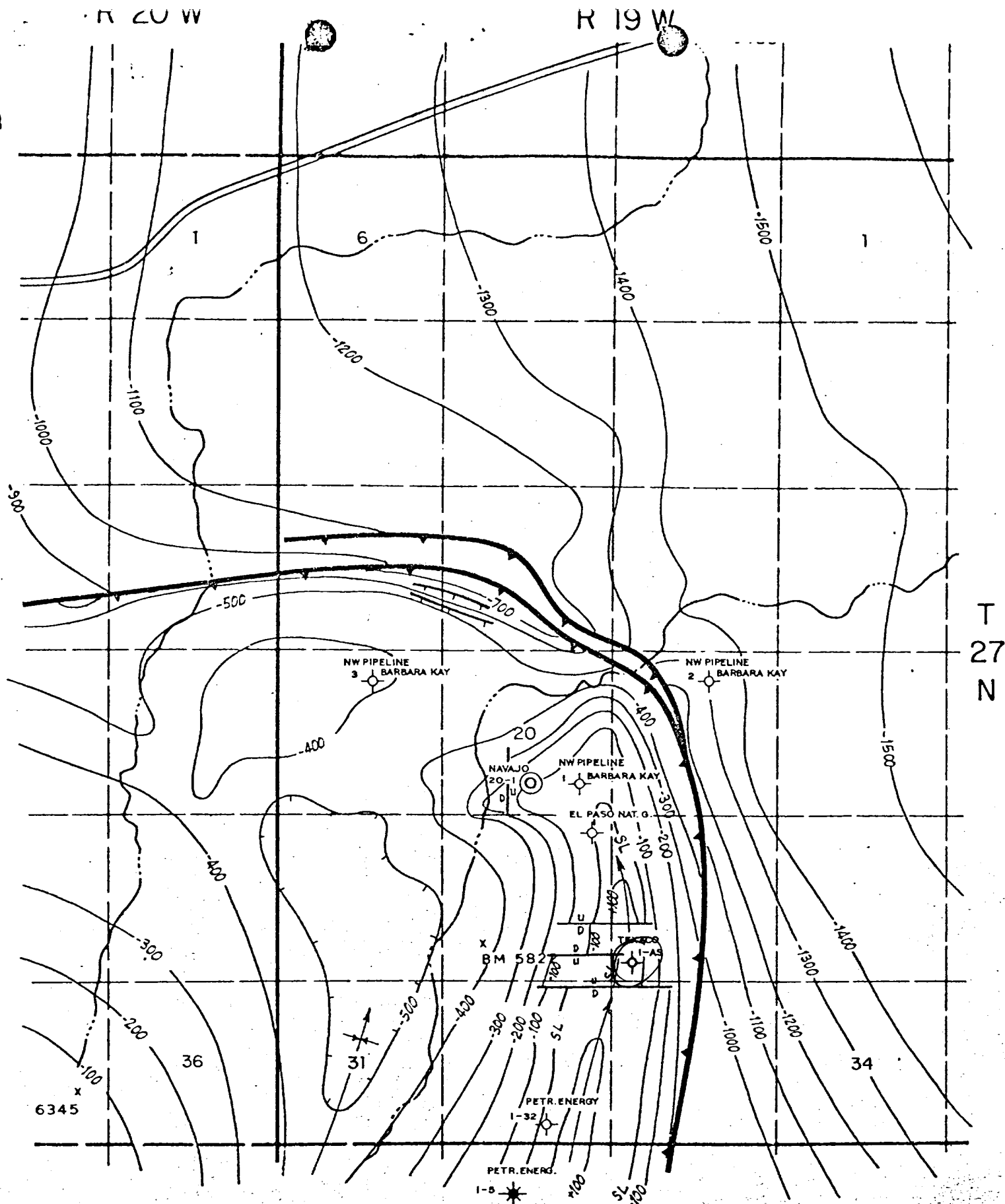
FIGURE VI

R 19 W

T
28
N

T
27
N





PETROLEUM ENERGY, INC.
 BEAUTIFUL MTN.
 SAN JUAN CO., NEW MEX.
 STRUCTURE TOP MISSISSIPPIAN
 C 1 = 100'

FIGURE III

OFFICE OF NAVAJO LAND ADMINISTRATION
CONSENT OF USE OF
NAVAJO TRIBAL LANDS

TO WHOM IT MAY CONCERN:

DATE June 23, 1980

I (We) Wille H. Pazzie

C# 23478

C# _____

of _____

hereby grants my (our) consent to the Navajo Tribe, Window Rock, Arizona

to permit Petroleum Energy Inc.

of OKLAHOMA CITY OK 10

to utilize a portion of my authorized customary use area of Navajo Tribal

lands for the following purpose (s): Drill a Re entry of

Texaco Dry hole Sec 28 - 27N - 19W AND

TO STAKE LOCATIONS IN Sec. 4 26N-19W

and 33- 27N-19W SAN JUAN New Mexico

WITNESSES: PAY AN ADDITIONAL \$500 IF WE DRILL IN
Sec 4 or Sec 33

1. [Signature]

X Wille H. Pazzie
Permittee,

2. Virginia Norton
COMPLIANCE OFFICER

Permittee,

12-1066 77
Grazing Permit No. Sheep Unit

Shiprock. 12-2
Agency District
Yearlong

REMARKS: _____

NOTE:

Copy mailed to _____, Grazing Committee Member,

District _____, Agency.

OFFICE OF NAVAJO LAND ADMINISTRATION
CONSENT OF USE OF
NAVAJO TRIBAL LANDS

TO WHOM IT MAY CONCERN:

DATE June 21

I (We) Wilbert Benally

C# 92129

C# _____

of _____

hereby grants my (our) consent to the Navajo Tribe, Window Rock, Arizona
to permit Petroleum Energy INC.

of OKM City OKLA

to utilize a portion of my authorized customary use area of Navajo Tribal
lands for the following purpose (s): Reenter Texaco well
IN Sec 28 - 27N - 19W AND Recomplete Bass well
IN Sec 20 - 27N - 19W.

WITNESSES:

1. Jay Wagner

Wilbert Benally
Permittee,

2. Virginia Norton
COMPLIANCE OFFICER

Permittee,

22352
Grazing Permit No.

114
Sheep Unit

Ship rock
Agency

12-2
District
Year 10.9

REMARKS: _____

NOTE:

Copy mailed to _____, Grazing Committee Member,
District _____, Agency.