1a. TYPE OF WORK

b. TYPE OF WELL

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

At proposed prod. zone

15. DISTANCE FROM PROPOSED*

OIL

Petroleum Energy, Inc

GAS WELL X

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

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

NONE

OTHER

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

Box 2121 , Durango, Colorado 81301

SW'NW Sec.33 1850 🖨 📞 N:1120 🕏 🏝

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

SUBMIT IN TRIPLICATE*

(Other instructions or reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

May 1963)	DEP	UNITI ARTMENT	ED STATES OF THE INTI	\	her instructions on reverse side)	30 - 045-34496 5. Lease designation and Serial No.
		GEOLOG	ICAL SURVEY			NOO-C-14-20-2978
APPLICA	TION FOR	PERMIT TO	O DRILL, DEE	PEN, OR F	LUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
TYPE OF WORK	DRILL 💂		DEEPEN 🗆	PL	UG BACK 🗆	7. UNIT AGREEMENT NAME
TYPE OF WELL	GAS WELL	OTHER		SINGLE X	MULTIPLE ZONE	8. FARM OR LEASE NAME

9. WELL NO. 33:21 Navajo 1-33 10. FIELD AND POOL, OR WILDCAT 11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA 33-27N-19W 12. COUNTY OR PARISH | 13. STATE

San Juan New Mexi 14 miles Southwest of Shiprock, New Mexico 17. NO. OF ACRES ASSIGNED TO THIS WELL

16. NO. OF ACRES IN LEASE 1,920 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH 3500' rotary 22. APPROX. DATE WORK WILL START*

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5781

July 28 ,1980

PROPOSED CASING AND CEMENTING PROGRAM 93 QUANTITY OF CEMENT SETTING DEPTH WEIGHT PER FOOT SIZE OF CASING SIZE OF HOLE CIRCULATE 200 200 scks_ 23# <u>8.5/8</u> 13 3/4 200 scks. 3,500 10.5# 1/2 $6 \frac{3}{4}$

Lease NOO-C-14-20-2978 covers Sections 33,34,35, 27N-19W San Juan Cty, N.M.

Plan to open hole complete in the Organ Rock formation.

Compliance Officer and Grazing Lessors have executed "Consent of Use of Navajo Tribal Lands", copy attached.

WHITH REPARED ARE TO COMPLIANCE WITH ATTACHED.

SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

ve zone and proposed new productive IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back nd true vertical depths. Give blowout zone. If proposal is to drill or deepen directionally, give pertinent data on subsurpreventer program, if any.

SIGNED /Jay/Magnes# (This space for Federal or State office use) agen

APPROVAL DATE

DATE July 16,1980

PERMIT NO. Birne Wan APPROVED BY CONDITIONS OF APPROVAL, IF ANY: 3.0

TITLE

ak 3 ml

OIL CONSERVATION DIVISION

" STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

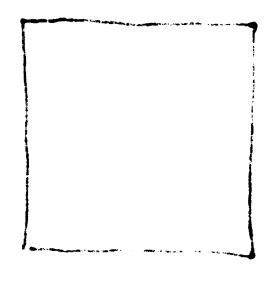
P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-

FORM 24-11

All distances must be from the cuter boundaries of the Section.

PETROLEOM ENERGI, INCOMOTORATED	Operator			Lease	Well No.			
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Counted Lywel Elem Productors Formation Pool Acres	3300 14-4							
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TEN POINT PROGRAM

PETROLEUM ENERGY, INC. - NAVAJO 1-33 Section 33, T-27-N, R-19-W San Juan County, New Mexico

- 1. Will be spudded in the Mancos Formation.
- 2. Estimated tops of formations are:

Chinle - 1800' DeChelly - 2960' Organ Rock - 3500'

- 3. The estimated depth at which anticipated water, oil or gas may be encountered is Organ Rock - 3500' (helium).
- 4. Casing design:

HOLE SIZE	DEPTH	CSG. SIZE	WT.	GRADE
13 3/4	200	8 5/8	23#	K
6 3/4	3500	4 1/2	10.5#	K

- 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 valves 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 Gamma Ray density log. No drill stem tests are anticipated. Plan to set pipe on top of Organ Rock Formation for an open hole completion in that
- 9. There are no anticipated abnormal pressures, temperatures or other potential hazards including H2S.
- 10. The anticipated starting date is July 28, 1980, and the expected duration of operation is 10 to 15 days.

MULTI-POINT SURFACE USE PLAN

PETROLEUM ENERGY, INC. - NAVAJO 1-33 NW Section 33, T-27-N, R-19-W Navajo Tribal . NOO-C-14-20-2978 San Juan County, New Mexico

1. EXISTING ROADS

The location of the proposed well site is shown on the attached topographic map and certified surveyor's plat. The route to the well site is shown in red.

To reach the proposed well site Petroleum Energy 1-33 from Shiprock, New Mexico, leave town going south on Highway 666 for a distance of approximately 6.2 miles, turn west on Indian Highway #13 for a distance of 8.6 miles. Exit on a graded road in a southwesterly direction for a distance of about 8 miles. The proposed location adjoins the above dirt road on the east side. The graded road will be maintained by Petroleum Energy, Inc.

2. PLANNED ACCESS ROAD

No reconstruction or changes in the existing road, colored in red, is contemplated for the exploratory drilling phase. If production is found, the road will be improved in accordance with the guidelines outlined in the Oil and Gas Surface Operating Standards as prepared by the U. S. Department of the Interior. The access road is 1/4 mile long.

3. LOCATION OF EXISTING WELLS

The location of wells drilled in the vicinity of the proposed well-site are shown on Figure III. The status of all these exploratory wells is reported to be abandoned, except as noted in #4 below.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Petroleum Energy, Inc. operates helium gas wells (2) located to the southeast of this location:

Navajo 1-32 (Sec. 32, 27N, 19W) and Navajo 1-5 (Sec. 5, 26N, 19W)

If oil production is found, a tank battery will be placed on the lease along side of the existing access road as shown on the attached topographic map (Figure II). The area to be used will be leveled with a dozer, and where tanks and other production facilities are installed, crushed rock will be placed.

In the event of production, it is proposed to bury the flowlines and restore the well pad area, except for the area needed for installation of production facilities. All areas containing pits and permanent production facilities will be adequately fenced to protect livestock and wildlife. These areas will be rehabilitated as outlined in Section 10 below.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for the drilling and completing of this well will be transported by truck or a temporary pipeline on the surface, depending on the time of year that well is drilled, from the Big Gap Reservoir, which is located about two (2) miles to the east from the proposed well site.

6. SOURCE OF CONSTRUCTION MATERIAL

Minimal construction will be needed, as this is an existing access road and well site. Fill material needed to level the location and access road will be locally derived from cuts at the site.

7. METHODS FOR HANDLING WATER DISPOSAL

Cuttings and drilling fluids will be contained in an unlined reserve pit as shown on the attached location layout diagram. A tank will be set on the location for any produced fluids.

Garbage and other waste material will be burned in a 10' x 10' (6'deep) burning pit. The pit will be fenced with a small mesh wire to prevent wind scattering, and upon completion of operations, will be buried.

The well site will be properly cleaned up when the rig moves out and restored in accordance with Section 10 below.

Portable latrine will be furnished.

.8. ANCILLARY FACILITIES

No ancillary facilities will be constructed.

9. WELL SITE LAYOUT

Attached is a copy of the well site layout plan showing the placement of drilling equipment (Figure VI). The parking area will be located on the southerly end of the location. Soil material stock piles, if necessary, will be placed on the west and east sides of the location.

The reserve pit will not be lined, and the trash pit will be located adjacent to the reserve pit.

10. PLANS FOR RESTORATION OF SURFACE

Upon completion of operations, the surface where changed topographically will be recontoured and rehabilitated in accordance with the guidelines outlined in the Oil and Gas Surface Operating Standards as prepared by the U. S. Department of the Interior, Bureau of Land Management and Geological Survey. Any area needed for production facilities and for the use by workover rigs will not be recontoured until final abondonment of the well bore. The pits will be filled in and covered with at least two (2) feet of cover material. All temporary structures will be removed and the permanent facilities, if any, will be painted the color chosen by the Bureau of Indian Affairs. All areas not needed for production purposes will be reseeded in the fall with seed mixtures selected by the Bureau of Indian Affairs.

Prior to cleanup and restoration, the pits will be fenced; if any oil accumulates on the pits it will be removed.

It is contemplated to start construction July ²⁸, 1980, immediately followed by drilling operations. If the well is abandoned, operations should be completed within 90 days from the start of construction. Rehabilitation operations should start in due course following the removal of the drilling equipment.

11. OTHER INFORMATION

The location is on a low relief topographical surface area that dips to the northeast. The area is broken by shallow draws and the top soil for the most part is clay with some sands and conglomerates. Vegetation is principally sagebrush and scattered clumps of grass. No wildlife was observed at the location, but undoubtedly rabbits, coyotes, birds, and other small mammals can be found from time to time.

There is no evidence that the surface in the area is being used other than for grazing of livestock. The surface rights are held by the Navajo Tribe of Indians. Navajo resident (W. Yazzie) is located approximately 1/2 mile to the north Consent of use has been executed by this resident.

There is no known source of surface water, archaeological, historical, or cultural sites in the immediate vicinity of this location. The site will be examined by a qualified archaeologist (Culture Resources Management Program) whose report will be filed accordingly when received.

12. OPERATOR'S REPRESENTATIVE

Jay D. Magness
Petroleum Energy, Inc.
P. O. Box 2121
Durango, CO 81301
Telephone 303/259-0322

13. CERTIFICATION

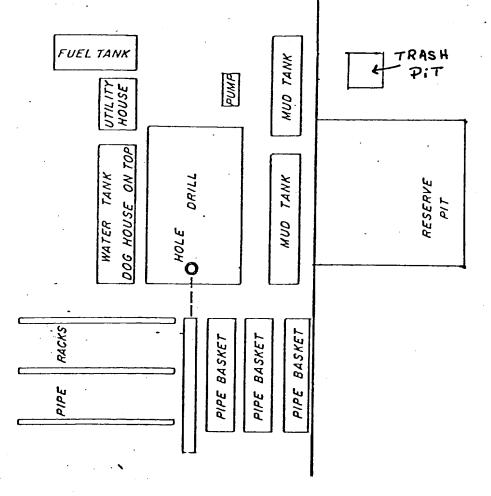
CERTIFICATION by OPERATOR'S FIELD REPRESENTATIVE

I HEREBY certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route; that I am familiar with the conditions which presently exist, that the statements made in this plan area, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroleum Energy, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Jay D Magness // Manager of Operations

PETROLEUM ENERGY, INC.

July! 7, 1980

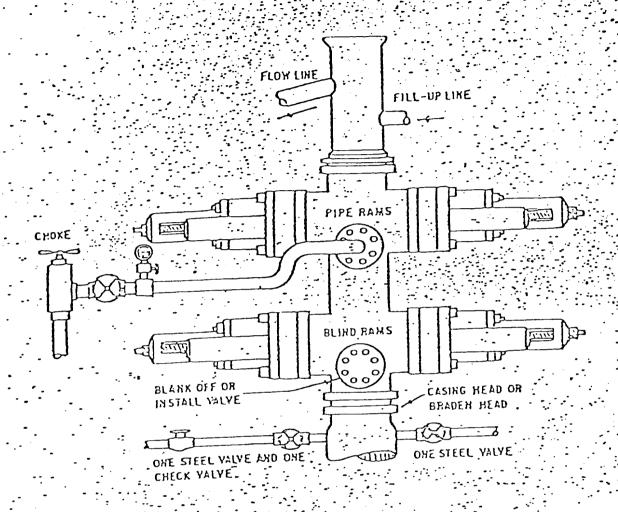


ROAD Access

PETROLEUM ENERGY, INC. - NAVAJO 1-33 Section 33, T-27-N, R-19-W San Juan County, New Mexico

Scale: 1"=30'

FIGURE VI



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

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

OPENING TO BE FLANGED, STUDGED OR CLANPED AND AT LEAST TWO INCHES DIAMETER.

ALL CONNECTIONS FROM OPERATING MANIFOLD TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF

THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT

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

KANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CENENT PLUG.

ROOTS SIN HO DELYON THE HOUGH HOUGHT KOTS TO BE FOUNTHED OF BATEN

CHOXE HAY BE EITHER POSITIVE OR ADJUSTABLE ...

A choke spool may be used between preventers

