

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21755

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

Petroleum Energy, Inc

3. ADDRESS OF OPERATOR

1140 NW 63, Oklahoma City, Oklahoma, 73116

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

2035' East of West line; 1650' South of N. line of said sec
At proposed prod. zone

Devonian test (Same)

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

3 mi. north and 1 1/2 W of Foutz store, Sanastee, New Mexico

15. DISTANCE FROM PROPOSED*

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

see 4 above

16. NO. OF ACRES IN LEASE

2,419.35

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.

3,850

19. PROPOSED DEPTH

6,900'

20. ROTARY OR CABLE TOOLS

rotary

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

5937' Ground level

22. APPROX. DATE WORK WILL START*

May 1 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 3/8ths	54.00#	100'	As required (Halliburton)
12 1/2	9 5/8ths	36.00#	1,500.'	"
7 7/8ths	5 1/2	15.50	T..D.	"

Note: Surface hole will use 100 sx cement, Intermediate string will set thru Lower Morrison (McElmo) w/ approx 500 sx cement. Production string at 6900' will be with 650 sx. cement.

Propose to drill and test the Pennsylvanian "Barker Creek" zone and the Mississippian and Devonian sections. If commercial production is obtained then production equipment will be installed and the well completed in a proper oil field manner.

Adequate Blow-Out Prevention Equipment will be furnished by the Drilling Contractor.

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

[Signature]

TITLE

President

DATE

2-18-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

[Signature]

TITLE

DATE

MAR 26 1975

CONDITIONS OF APPROVAL, IF ANY:

Prod C-104 for NSC for gas

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY

**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.

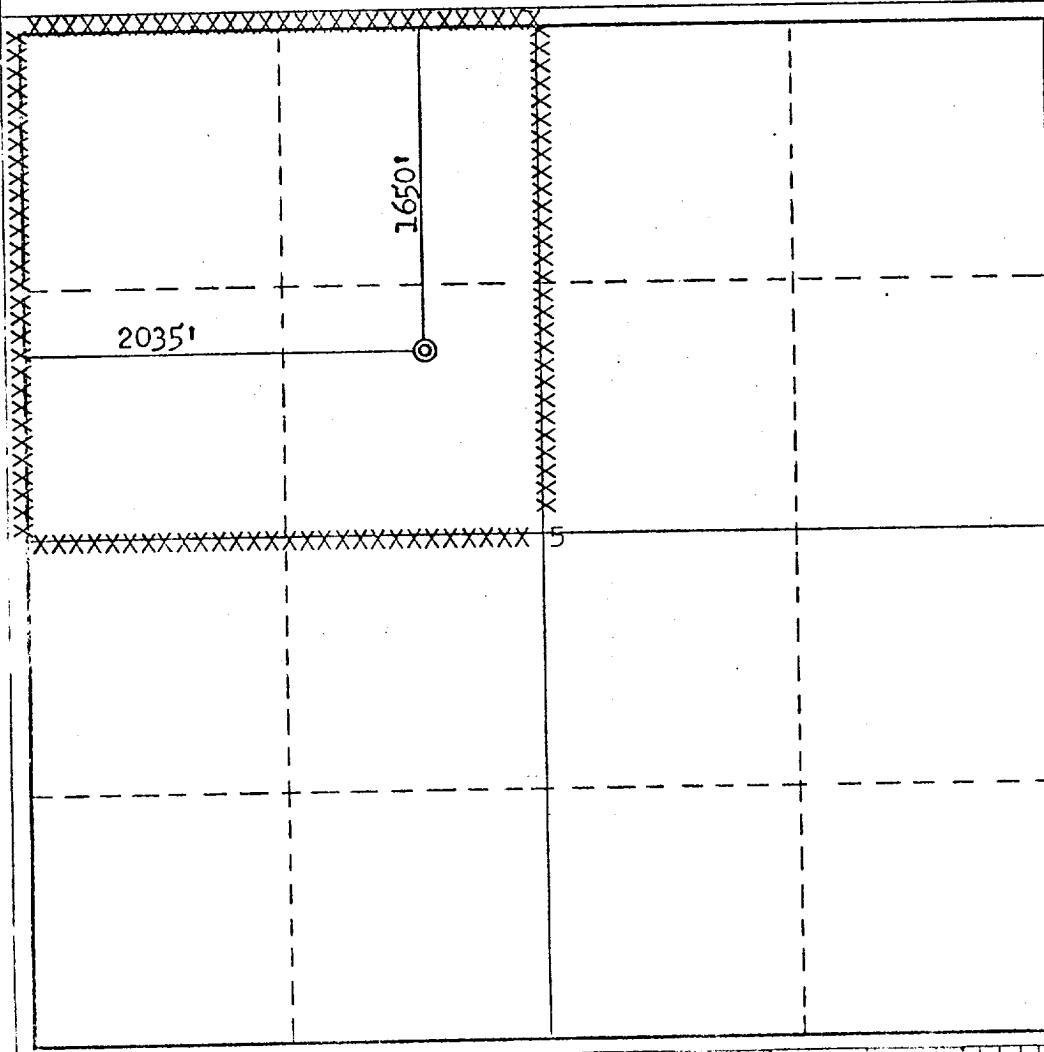
Operator Petroleum Energy, Inc.			Lease Tract 109(NCO-C-14-20-4157) <i>Range 15</i>		Well No. one
Unit Letter F	Section 5	Township 26N	Range 19W	County San Juan	
Actual Footage Location of Well: 1650 feet from the North line and 2035 feet from the West line					
Ground Level Elev. 5937	Producing Formation Wildcat Devonian Test		Pool Wildcat		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.

A.J. Magness
Name **A.J. Magness**

Position **Pres**

Company
Petroleum Energy, Inc

Date
Dec 27 1974

I hereby certify that the well location shown on this plot 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

November 27, 1974

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

ACCESS ROAD

250'



Latrine



2'x4'x4' deep

Boiler

Utility

light Plant

Water
Tank

Trash Pit
8'x12'x4' deep

Mud
Pump

Mud Tank

RESERVE PIT
(6' deep)

Mud
Pump

trailer

trailer

Sub structure

Sub structure

Mud Tank



Doghouse

trailer

well
loc.

Pipe Racks

cat walk

Pipe racks

Not to scale:

Drilling Pad ; compacted soil
sandy, shaly ground w/scattered
bunches native grass and small brush

R I G L A Y O U T P L A T

Petroleum Energy, Inc. No. 1- 5 Navajo
SENW Sec. 5 T26N, R19W San Juan C. New Mexico

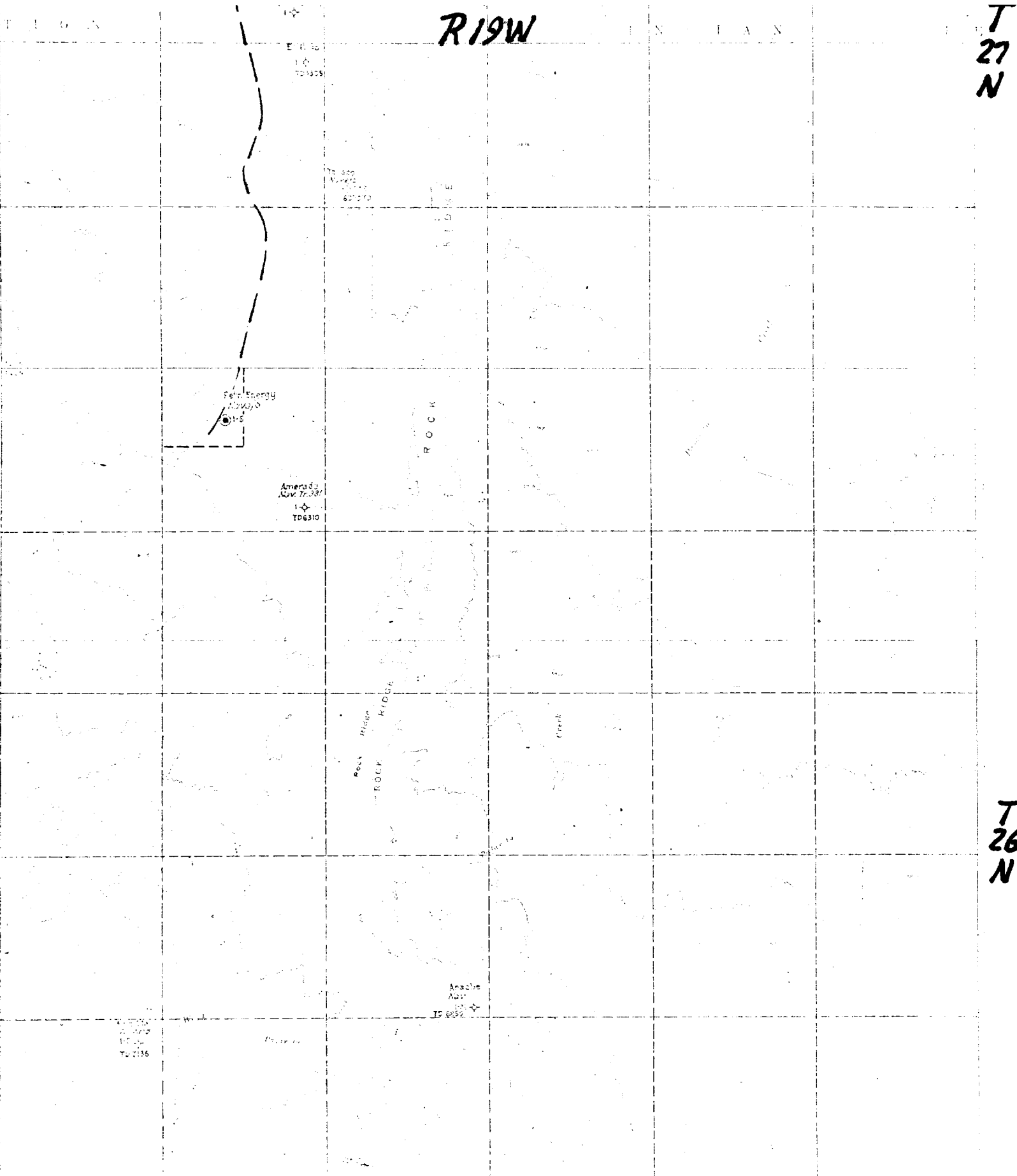
250'

300'

R19W

T
27
N

T
26
N



PETROLEUM ENERGY , INC.
No. 1-5 Navajo
SENW Sec. 5 T26N, R19W
San Juan County, New Mex.
Map Scale : 1" = 4000'

ROBERT E. LAUTH
GEOLOGIST
POST OFFICE BOX 776
960 EAST SECOND AVENUE
DURANGO, COLORADO 81301
Telephone (303) 247-0025



March 20, 1975

Mr. Phil McGrath, District Engineer
U. S. Geological Survey
P.O. Box 959
Farmington, New Mexico 87401

MAR 26 1975

U.S. GEOLOGICAL SURVEY

Re: Application for Permit to
Drill
Petroleum Energy, Inc.
No. 1-5 Navajo
SE1/4; 2035 FUL, 1650' FUL
Sec. 5 126N R13W NMFN
San Juan County, New Mexico

Dear Mr. McGrath:

Enclosed are eight (8) copies of the application to drill on the above captioned well. Also enclosed are plats showing the location of the existing roads, wells and lateral road to the location. Basically, except for the short lateral (200 feet), the existing roads will be utilized. If the well is productive, tank batteries and flow lines will be installed essentially within the area cleared for the drilling operations. The location is in light sandy and shaley soil of the lower Mancos. Vegetation is sparse with scattered clumps of native grass.

Arrangements for water have been made with the drilling contractor (Calvert-Western - Tom E. Gipson) and it will probably be from the Big Gap Reservoir.

The drilling contractor will furnish adequate blowout prevention equipment (12", 200 series Ram, double gate hydraulic plus hybrid).

Waste disposal will be buried in the burn pit, latrine, or reserve pits as needed.

No bond or airstrip will be associated with the drilling of this well. Small self-contained trailers will be used by the supervisory personnel during drilling and testing operations.

A plat is also included to show the layout of the rig, mud tanks, reserve pit, burn pit, latrine etc.

Upon completion of the well the location will be cleaned, leveled, reseeded and restored to the original as much as conditions and operations permit.

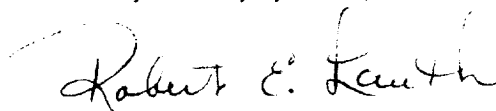
Archaeological clearance has been requested; I am including a copy of the letter requesting this clearance.

The lessor's Ashland Oil Company, Suite 1902, Lincoln Center Building, Denver, Colorado 80203; lease bond is on file with the Bureau of Indian Affairs at Window Rock, Arizona. Three (3) copies of the Designation of Operator originally signed by Mr. Charles W. Ray, Regional Landman for Ashland Oil Company to Petroleum Energy, Inc. for this lease are enclosed.

When approval is obtained from your office, would you kindly send approved copies to the Navajo Tribe Minerals Department, the Oil and Gas Conservation Commission of New Mexico, U. S. Geological Survey in Roswell, New Mexico and Petroleum Energy, Inc., 1140 NW 53rd, Oklahoma City, Oklahoma 73116; Attn: Mr. Sam M. Billings.

Thank you.

Very truly yours,



Robert E. Lauth
Certified Professional Geologist

P.S. If any other papers need to be filed, please contact me in Durango, Colorado.

well file
Petroleum Energy, Inc.
F-5-26-N-19W

AMOCO PRODUCTION COMPANY
RESEARCH DEPARTMENT
GAS CHROMATOGRAPHY ANALYSIS

Petroleum Energy, Inc.

SAMPLE NO. 40-402
SAMPLE OF GAS
FIELD WILDCAT
LEASE NAVAJO 1-5
LOCATION 12N, R19W, SEC 5
STATE OR PROVINCE NEW MEXICO
PRODUCING STRATUM
TOTAL DEPTH
PRESSURE 84
COLLECTED BY T.M. OLIVER
TRANSMITTED BY L O SPEER
LAB NO. P-23926
DATE RECEIVED 7-1-75
REMARKS 11

COMPANY ~~AMOCO PRODUCTION COMPANY~~
COLLECTED FROM SEPARATOR
PLANT
WELL NO. 1
COUNTY SAN JUAN
CONTAINER NO. RC-258
STRATUM YIELDING SAMPLE
GOR UNKNOWN
TEMPERATURE 79 DEG F
DATE COLLECTED 06-25-75
DATE TRANSMITTED 06-26-75
FILE NO. REM-107-220.2
DATE REPORTED 8-6-75

ANALYSIS, VOLUME PERCENT AIR-FREE

94.89 NITROGEN
0.66 CARBON DIOXIDE
0.00 HYDROGEN SULFIDE
3.25 METHANE
0.20 ETHANE
0.22 PROPANE
0.09 ISOBUTANE
0.19 NORMAL BUTANE
0.10 ISOPENTANE
0.14 NORMAL PENTANE
0.10 HEXANES
0.16 HEPTANES AND HEAVIER
100.00 TOTAL
5.73 Vol. Pct. Helium by Mass Spectrometer
0.9715 GRAVITY (AIR = 1.00)
5.72 VOL. PCT. AIR

0. HYDROGEN SULFIDE, GRAINS/100 CU.FT.
0.0 MERCAPTAN SULFUR, GRAINS/100 CU.FT.
0.0 NGAA TOTAL SULFUR, WEIGHT PERCENT

74. AIR-FREE BTU/CU.FT., GROSS (LHV)
58. AIR-FREE BTU/CU.FT., NET

0.2906 G.P.M. OF 26 PSI RET. VAPOR PRESSURE GASOLINE
88.70 DEGREE API, INCLUDING
100.0000 PERCENT OF AVAILABLE NORMAL BUTANE
100.0000 PERCENT OF AVAILABLE ISOBUTANE

0.3511 G.P.M. OF PROPANE AND HEAVIER
0.2906 G.P.M. OF BUTANES AND HEAVIER
0.2014 G.P.M. OF PENTANES AND HEAVIER

REMARKS

A. M. Roney
C. L. Cain
Paul Lewis
John Winters

Ralph E. Shroyer
8/11/75