

(Obverse)

(Revised 3-81)



Farm Metz #2

API #47 - 085 - 5702

Date June 17, 1982

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  /

(If "Gas", Production  / Underground storage \_\_\_ / Deep \_\_\_ / Shallow  /

LOCATION: Elevation: 932' Watershed: Cabin Run  
District: Grant County: Ritchie Quadrangle: Cairo (7 1/2')

WELL OPERATOR Wayman W. Buchanan  
Address 444 Petroleum Commerce Building  
San Antonio, Texas 78205

DESIGNATED AGENT Jim P. Morris  
Address 401 Peoples Building  
Charleston, WV 25301

OIL AND GAS ROYALTY OWNER Woodrow Metz  
Address 8350 Emerson Avenue  
Parkersburg, WV 26101  
Acreage 35

COAL OPERATOR None  
Address \_\_\_\_\_

SURFACE OWNER Gene Metz  
Address Mineral Wells, WV 26150  
Acreage 35

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Deo Mace  
Address Rt. 1, Box 5  
Sandridge, WV 25274  
Telephone 655-7398

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JUN 17 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease  / other contract \_\_\_ / dated 9/25, 1981, to the undersigned well operator from Woodrow Metz

(If said deed, lease, or other contract has been recorded:)

Recorded on 10/20, 1981, in the office of the Clerk of County Commission of

Ritchie County, West Virginia, in 139 Book at page 128. A permit is requested as follows:

PROPOSED WORK: Drill  / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

04/19/2024

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311

BLANKET BOND

Wayman W. Buchanan  
Well Operator  
By: Jim P. Morris  
Designated Agent  
Its: \_\_\_\_\_

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Clint Hurt

Address Edens Fork, WV

GEOLOGICAL TARGET FORMATION Marcellus Shale

Estimated depth of completed well 5200 feet. Rotary X / Cable tools /

Approximate water strata depths: Fresh, 200' feet; salt, 2050 382 feet.

Approximate coal seam depths: None

Is coal being mined in this area: Yes / No X /

DRILLING AND TUBING PROGRAM

Table with columns: DRILLING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For Drilling, Left in Well), CEMENT FILL-UP OR SACKS (Cubic ft.), PACKERS (Kinds, Sizes, Depths set, Perforations: Top Bottom)

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 2-18-83.

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

I, the undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the coal operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_, 19\_\_\_\_.

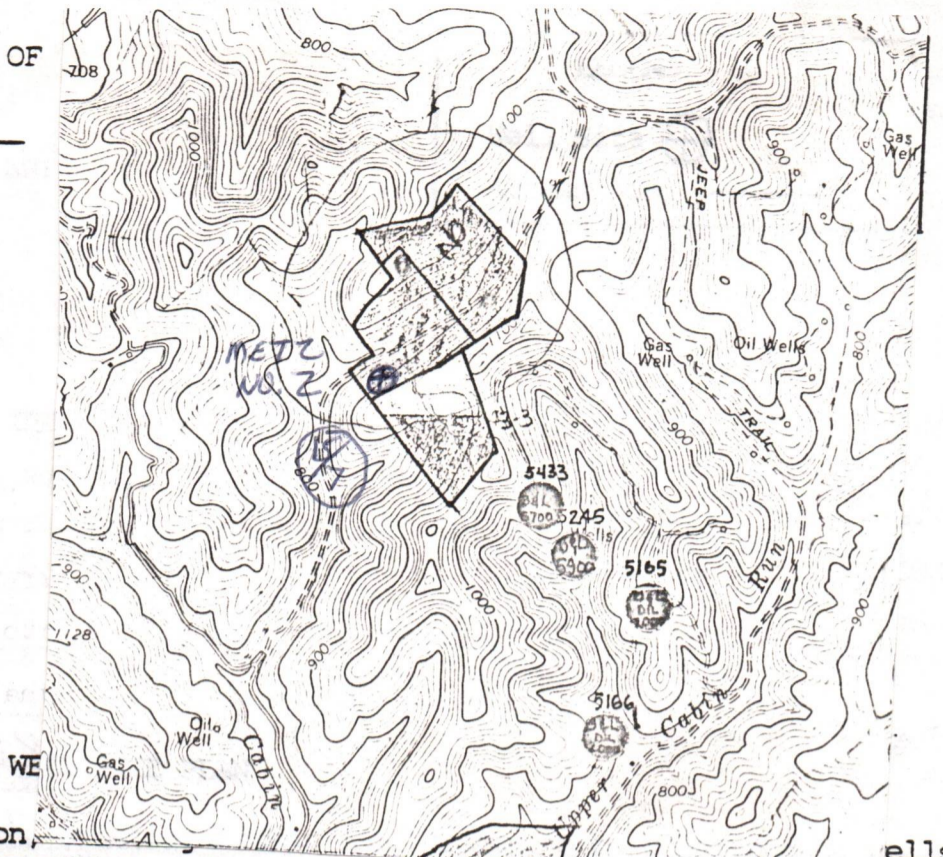
By: \_\_\_\_\_

Its: \_\_\_\_\_

file

04/19/2024

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE CAIRO (7.5')



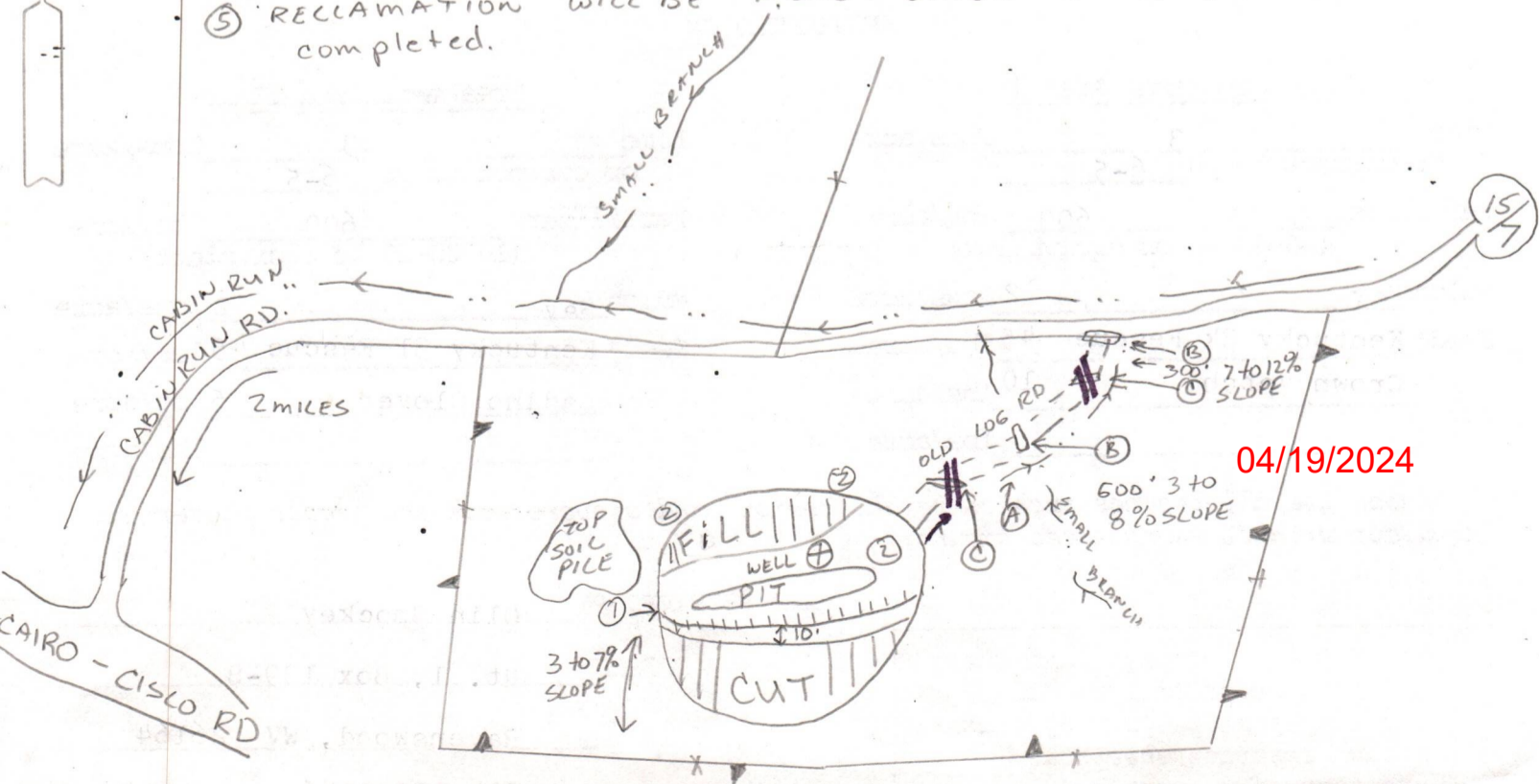
Sketch to include well location, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

**LEGEND**

- |                   |  |            |  |
|-------------------|--|------------|--|
| Property boundary |  | Diversion  |  |
| Road              |  | Spring     |  |
| Existing fence    |  | Wet spot   |  |
| Planned fence     |  | Building   |  |
| Stream            |  | Drain pipe |  |
| Open ditch        |  | Waterway   |  |

LOCATION

- ① LOCATION IS WOODLAND ON THE SIDE OF A BENCH 3 TO 7% SLOPE
- ② SIZE OF LOCATION 150' X 200'
- ③ ALL TIMBER WILL BE CUT & STACKED ACCORDING TO LAND OWNERS WANTS
- ④ ACCESS ROAD WILL HAVE SIDE SLOPES & CROSS DRAINS
- ⑤ RECLAMATION WILL BE DONE 6 MONTHS AFTER WELL IS COMPLETED.





IV-9  
(Rev 8-81)

DATE June 10, 1982

WELL NO. Metz No. 2

State of West Virginia  
Department of Mines  
Oil and Gas Division

API NO. 47-085-5702

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Wayman Buchanan  
Address San Antonio, Texas  
Telephone 512-223-3897

DESIGNATED AGENT Jim P. Morris  
Address Charleston, WV  
Telephone 345-6631

LANDOWNER Woodrow Metz

SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Unknown Contractor (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-16-82

(Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)  
Spacing \_\_\_\_\_  
Page Ref. Manual 2:10

Structure Diversion Ditch (1)  
Material Earthen  
Page Ref. Manual 2:10

Structure Culvert (B)  
Spacing 12" Min-30" Max I. D.  
Page Ref. Manual 2:5

Structure \_\_\_\_\_ (2)  
Material Straw  
Page Ref. Manual 3:6 & 3:7

Structure Cross Drains (C)  
Spacing 135' - 400'  
Page Ref. Manual 2:1

Structure **RECEIVED** (3)  
Material JUN 17 1982  
Page Ref. Manual OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre  
or correct to pH 6-5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed\* Kentucky 31 Fescue 45 lbs/acre  
Crown Vetch 10 lbs/acre  
\_\_\_\_\_ lbs/acre

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6-5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed\* Kentucky 31 Fescue 45 lbs/acre  
Ladino Clover 5 lbs/acre  
\_\_\_\_\_ lbs/acre

04/19/2024

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Olin Shockey

ADDRESS Rt. 1, Box 139-B

Ravenswood, WV 26164

PHONE NO. 304-273-2246

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

A-10

A F F I D A V I T

I, Jim P. Morris, Designated Agent for Wayman W. Buchanan, hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom.

Signed: Jim P. Morris  
Jim P. Morris  
Designated Agent

Notary: Vicky R. Burdette (Signed)

My Commission Expires: December 1, 1990

47085-5702



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WV DEPARTMENT OF MINES

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WEST VIRGINIA  
DEPARTMENT OF  
OIL AND GAS DIVISION



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 26 1983

*Final*  
INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 085 5702

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Buchanan</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Gene Metz</u>	16			Kind of Packer _____
Well No. <u>#2</u>	13			
District <u>Grant</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:  
7 2183 not drilled.  
OK to Release permit Expires.

7 2183

DATE

Grant Ritchie  
DISTRICT WELL INSPECTOR

04/19/2024







State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

August 22, 1983

Wayman W. Buchanan  
P. O. Box 106  
Kenna, W. Va. 25248

In Re: PERMIT NO: 47-085-5702  
FARM: Woodrow Metz/Gene Metz  
WELL NO: Metz #2  
DISTRICT: Grant  
COUNTY Ritchie

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

XXXXXX The well designated by the above permit number has been released under your Blanket Bond. (Permit Cancelled - Never Drilled.)

\_\_\_\_\_ Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

\_\_\_\_\_ Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator  
Office of Oil & Gas-Dept.

04/19/2024

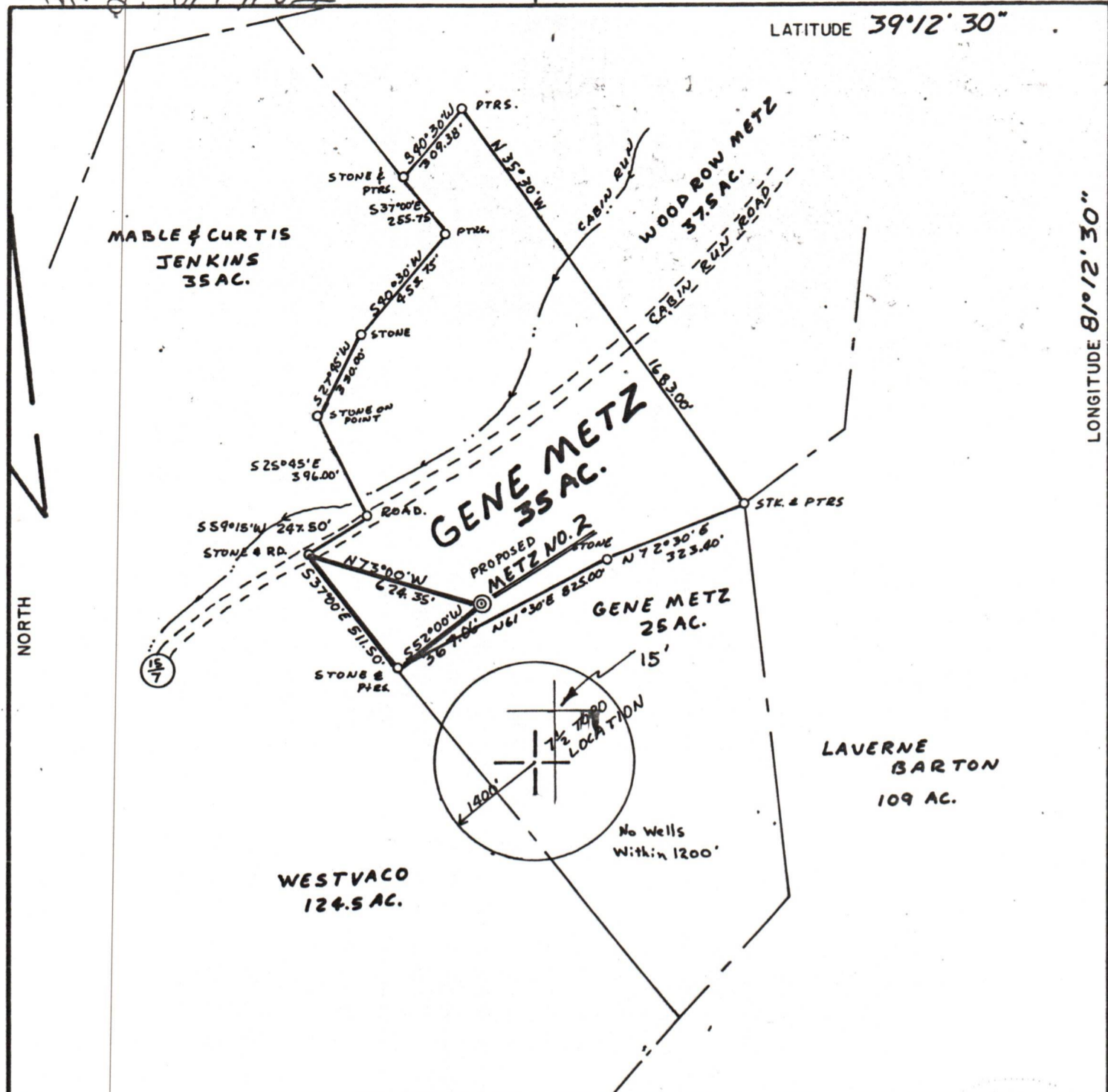
6/17/82

7,900'

LATITUDE 39°12'30"

LONGITUDE 81°12'30"

10,500'



FILE NO. F.B. 30  
 DRAWING NO. 82034  
 SCALE 1" 500'  
 MINIMUM DEGREE OF ACCURACY 1:200'  
 PROVEN SOURCE OF ELEVATION EXISTING WELL H-1314  
975' N.E. OF LOCATION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) [Signature]  
 O.R.P.E. \_\_\_\_\_ L.L.S. 434

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



Department of Mines  
 Oil & Gas Division

DATE MARCH 1, 1982  
 OPERATOR'S WELL NO. METZ NO. 2  
 API WELL NO. 47-085-5702  
 STATE COUNTY PERMIT  
**CANCELLED**

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 932' WATER SHED CABIN RUN  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE CAIRO (7 1/2')  
 SURFACE OWNER GENE METZ ACREAGE 35  
 OIL & GAS ROYALTY OWNER WOODROW METZ LEASE ACREAGE 35  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
 STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW  
 FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 5200  
 WELL OPERATOR WAYMAN-BUCHANAN DESIGNATED AGENT JIM P. MORRIS  
 ADDRESS SAN ANTONIO, TEXAS ADDRESS CHARLESTON, W.V.

04/19/2024