(Obverse)

(Revised 3-81)

Farm Metz #1
API #47 - 085 - 5701
Date 6/17/82

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X

LOCATION: Elevation: 1064' Watershed: Cabin Run
District: Grant County: Ritchie Quadrangle: Cairo (7½')

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

DESIGNATED AGENT Jim P. Morris
Address 404 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

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

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

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

RECEIVED
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 X / 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 X / 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 an 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 Dep 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 Applicati 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 J. P. Morris
Its: Designated Agent

Reverse)

Revised 3-81)

PROPOSED WORK ORDER

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

RILLING CONTRACTOR (IF KNOWN) Clint Hurt

Address Edens Fork, WV

EOLOGICAL TARGET FORMATION Marcellus Shale
Estimated depth of completed well 5200. feet. Rotary X / Cable tools ___ /
Approximate water strata depths: Fresh, 200 feet; salt, 5/4 2050 feet.
Approximate coal seam depths: None.
Is coal being mined in this area: Yes ___ / No X /

ASING AND TUBING PROGRAM

ASING OR UBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For Drilling	Left in Well	CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
onductor	9 5/8			X			350	Circ.	Kinds
resh water									
oal									Sizes
ntermed.	7			X			2250	Circ.	
roduction	4 ½			X			5190	519 sks.	Depths set
ubing									
iners									Perforations:
									Top Bottom

TE: 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 _____

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

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

te: _____, 19___.

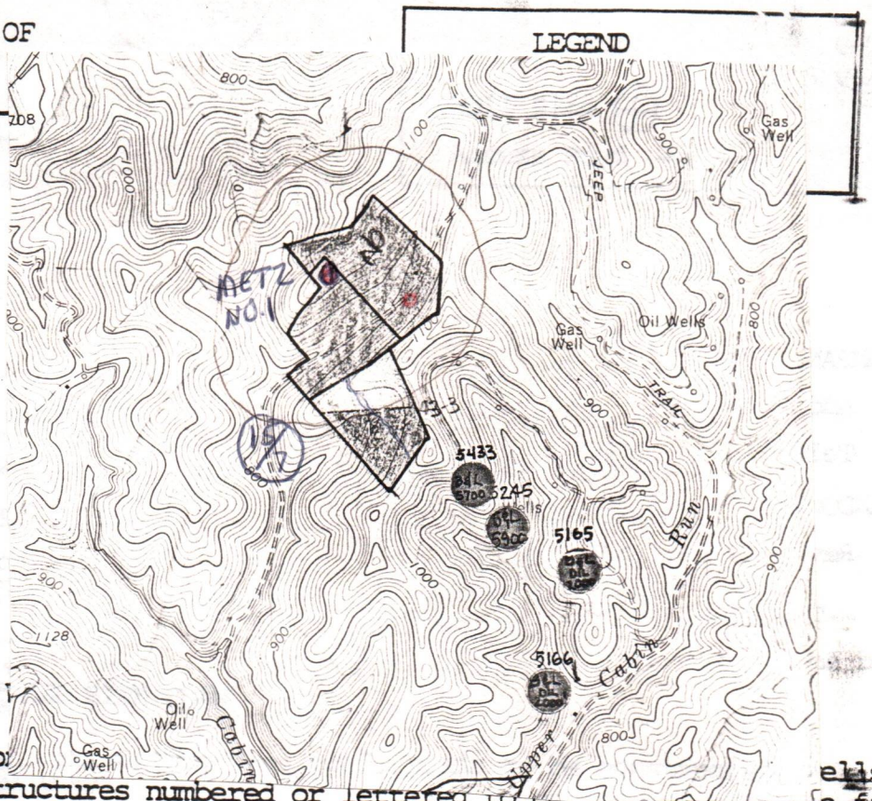
file

By: _____

Its: _____

04/19/2024

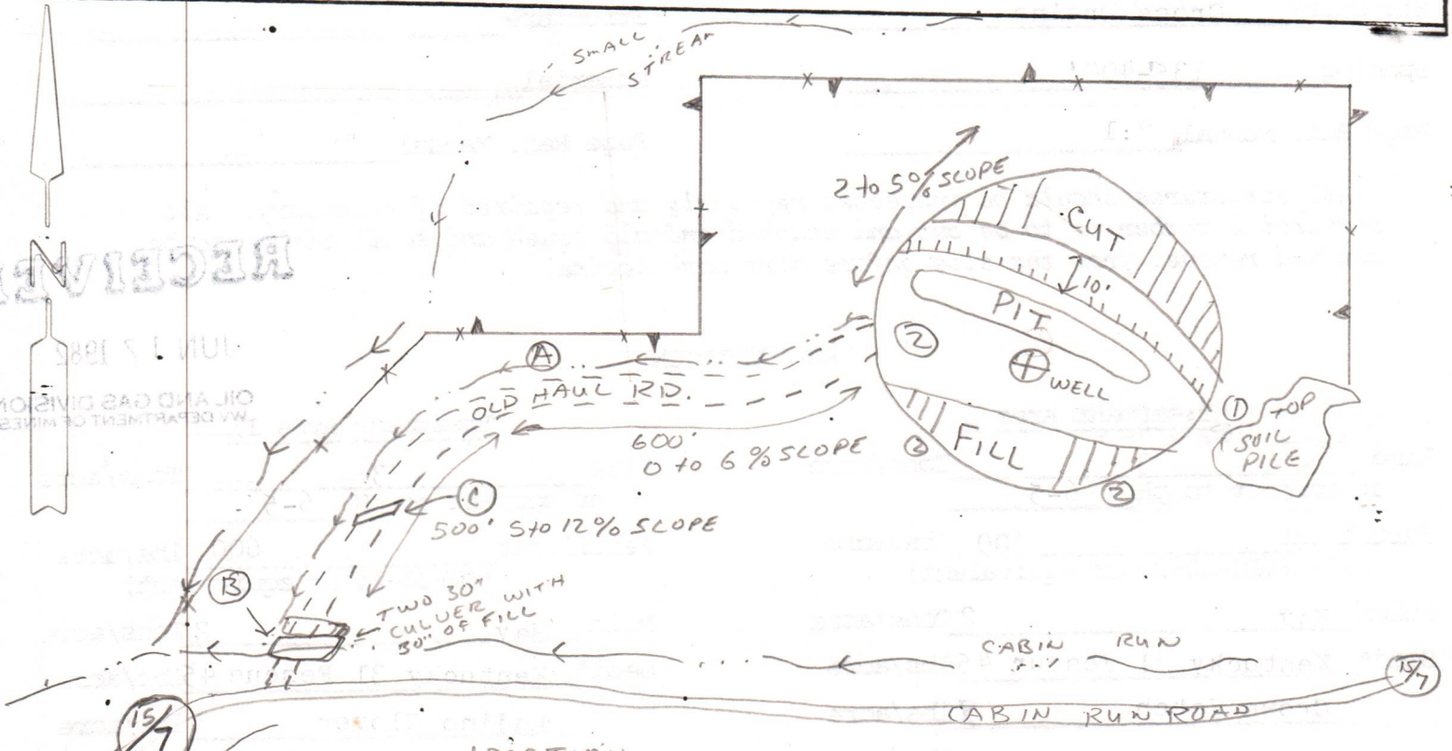
ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CAIRO (7.5')



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

LEGEND

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



LOCATION

1. LOCATION IS ON TOP OF RIDGE 2 to 5% SLOPE WOODLAND
2. SIZE OF LOCATION WILL BE 150' X 200'
3. ALL TIMBER WILL BE CUT & STACKED ACCORDING TO LAND OWNERS WANTS.
4. ACESS ROAD WILL HAVE SIDE SLOPES & DRAINS
5. RECLAMATION WILL BE DONE 6 MONTHS AFTER WELL IS completed.

04/19/2024

IV-9
(Rev 8-81)

State of West Virginia
Department of Mines

DATE June 10, 1982
WELL NO. Metz No. 1
API NO. 47 - 085 - 5701

04/19/2024

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.

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 4936 to 4553, 25 holes.
Frac with 1500 gal. nitrofied acid, 1,500,000 cu. ft. nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			Surface	500	
Sand			500	574	
Shale			574	590	
Sand			590	770	
Shaley Sand			770	845	
Shale			845	1147	
Sand			1147	1162	
Shale			1162	1495	
Sand			1495	1626	
Shale			1626	1640	
Sand			1640	1826	
Shale			1826	1864	
Sand			1864	1900	
Shale			1900	1905	
Big Lime			1905	1988	
Big Injun			1988	1999	
Squaw			1999	2102	
Shale			2102	2471	
Coffee Shale			2471	2481	
Berea			2481	2484	
Shale			2484	4495	
Huron Shale			4495	4738	
Shale			4738	5095	
TD			5095		

(Attach separate sheets as necessary)

Wayman W. Buchanan
Well Operator

By: [signature]

Date: August 2, 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

35
8-81)

REVISED

State of West Virginia

Date August 2, 1982
Operator's
Well No. Metz #1
Farm Woodrow Metz

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No._____ Well No._____

COMPANY_____ ADDRESS_____

FARM_____ DISTRICT_____ COUNTY_____

Filling Material Used_____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names_____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

04/19/2024

_____
DISTRICT WELL INSPECTOR

Gas: Initial open flow_____ Mcf/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ Mcf/d Oil: Final open flow_____ Bbl/d
[illegible] between initial and final tests_____ hours
Static rock pressure_____ psig (surface measurement) after_____ hours shut in

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

RECEIVED
SEP 14 1983
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 085 5701 Final

Oil or Gas Well _____ (KIND)

Company Buchanan

Address

Farm Smetz

Well No. #1

District _____ County Ritchie

Drilling commenced

Drilling completed _____ Total depth

Date shot _____ Depth of shot

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names

Remarks:

OK To Release.

9/12/83
DATE

DISTRICT WELL INSPECTOR

04/19/2024

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No._____ Well No._____

COMPANY_____ ADDRESS_____

FARM_____ DISTRICT_____ COUNTY_____

Filling Material Used_____

Liner	Location	Amount	Packer	Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names_____

Remarks:

_____ I hereby certify I visited the above well on this date.
DATE

04/19/2024

_____
DISTRICT WELL INSPECTOR

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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

September 6, 1983

Wayman W. Buchanan
c/o Leroy Hopkins
P. O. Box 106
Kenna, W. Va. 25248

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

PERMIT NUMBER	FARM AND WELL NUMBER	DISTRICT
RIT-5688	Jeffrey L. Moats, et al, #1	Grant
RIT-5701	Gene Metz/Woodrow Metz, #1	Grant
RIT-5799	Claude W. Swadley, #1	Murphy
RIT-5800	Claude W. Swadley, #2	Murphy
RIT-5870	James F. Beckett, et al, #1	Murphy
RIT-5895	Christine C. Savage, #1	Murphy
RIT-5896	Christine C. Savage, et al, #2	Murphy
RIT-6123	Ruben Hinton, et al, #1	Murphy

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

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

04/19/2024

FERC-121

RECEIVED

1.0 API well number: (If not available, leave blank. 14 digits.)	47-085-5701 AUG 26 1982
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 (Section of NGPA) — OIL & GAS DIVISION DEPT. OF MINES (Category Code)
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5095 feet
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Wayman W. Buchanan (Name) — Se 444 Petroleum Commerce Building (Street) San Antonio, (City) Texas (State) 78205 (Zip Code)
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Unknown (Field Name) Ritchie (County) WV (State)
(b) For OCS wells:	Area Name — Block Number Date of Lease: Mo. Day Yr. — OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	Metz #1
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Consolidated Gas Supply Corp. (Name) — Buye
(b) Date of the contract:	Mo. Day Yr.
(c) Estimated annual production:	MMcf.

	(a) Base Price ($/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) To (b) and
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	Deregulated	—.—	—.—	—.
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	—.—	—.—	—.—	—.

9.0 Person responsible for this application:

Jim P. Morris — Name
Designated Age — Title
Signature
8/18/82 — Date Application is Completed

Agency Use Only
Date Received by Juris. Agency AUG 26 1982
Date Received by FERC

04/19/2024

PARTICIPANTS: DATE: JAN 7 1983 BUYER-SELLER CODE

WELL OPERATOR: Wayman W. Buchanan —

FIRST PURCHASER: Consolidated Gas Supply Corp. 004030

OTHER:

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
820826-107-085-5701
Use Above File Number on all Communications Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 ✓ Items not completed - Line No. 2.0 Nonregulated
2. IV-1 Agent Jim P. Morris
3. IV-2 Well Permit —
4. IV-6 Well Plat ✓
5. IV-35 Well Record ✓ Drilling ✓ Deepening —
6. IV-36 Gas-Oil Test: Gas Only — Was Oil Produced? — Ratio —
7. IV-39 Annual Production — years
8. IV-40 90 day Production — Days off line: —
9. IV-48 Application for certification. Complete? ✓

10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? ✓ Affidavit Signed ✓

18-28. Other: Survey — Logs — Geological Charts —
Structure Map — 1: 4000 Map — Well Tabulations —
Gas Analyses —

(5) Date commenced: 6-28-82 Date completed 7-5-82 Deepened —

(5) Production Depth: 4553-4936

(5) Production Formation: Huron/Benson

(5) Final Open Flow: 300 MCF

(5) After Frac. R. P. 1320# 42 hrs.

(6) Other Gas Test: —

(7) Avg. Daily Gas from Annual Production: —

(8) Avg. Daily Gas from 90-day ending w/1-120 days —

(8) Line Pressure: — PSIG from Daily Repor

(5) Oil Production: — From Completion Report —

0-17. Does lease inventory indicate enhanced recovery being done No

0-17. Is affidavit signed? ✓ Notarized? ✓ 04/19/2024

es official well record with the Department confirm the submitted information? Yes

ditional information — Does computer program confirm?

s Determination Objected to — By Whom?

IV-55

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION

Date 8/24/82

Operator's Well No. Metz #1

API Well No. 47 - 085 5701
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE

NGPA Section 107

DESIGNATED AGENT Jim P. Morris

ADDRESS 401 Peoples Building

Charleston, WV 25301

WELL OPERATOR Wayman W. Buchanan

ADDRESS 444 Petroleum Commerce Bldg.

San Antonio, Texas 78205

LOCATION Elevation 1010'

Watershed Cabin Run

Dist. Grant County Ritchie Quad. Cairo 7.5'

GAS PURCHASER Consolidated Gas Supply Corp.

ADDRESS P. O. Box 2450

Clarksburg, WV 26301

Gas Purchase Contract No.

Meter Chart Code

Date of Contract

* *

Date surface drilling began: 6/28/82

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$BHP = 1320 + 1320 \left(e^{\frac{5095 \times .68}{53.34 \times (111 + 460)}} - 1\right)$$

$$BHP = 1320 + 1320 \left(e^{\frac{3464.6}{30462.85}} - 1\right)$$

$$BHP = 1320 + 1320 (1.12 - 1)$$

$$BHP = 1320 + 158.4$$

$$BHP = 1478.4$$

AFFIDAVIT

I, Scott Butterfield, having been first sworn according to law, state that, I have calculated the percentage of footage of the producing interval which is not Devonian shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Scott Butterfield

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, TO WIT:

I, Vicky R. Burdette, a Notary Public in and for the state and county aforesaid do certify that Scott Butterfield whose name is signed to the writing above, bearing date the 24th day of August, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 24th day of August, 1982.

My term of office expires on the 1st day of December, 1990.

[NOTARIAL SEAL]

Vicky R. Burdette
Notary Public

04/19/2024

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated 4936 to 4553, 25 holes.
Frac with 1500 gal. nitrofied acid, 1,500,000 cu. ft. nitrogen.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale	Surface	500	
Sand	500	574	
Shale	574	590	
Sand	590	770	
Shaley Sand	770	845	
Shale	845	1147	
Sand	1147	1162	
Shale	1162	1495	
Sand	1495	1626	
Shale	1626	1640	
Sand	1640	1826	
Shale	1826	1864	
Sand	1864	1900	
Shale	1900	1905	
Big Lime	1905	1988	
Big Injun	1988	1999	
Squaw	1999	2102	
Shale	2102	2471	
Coffee Shale	2471	2481	
Berea	2481	2484	
Shale	2484	4495	
Huron Shale	4495	4738	
Shale	4738	5095	
TD	5095		

(Attach separate sheets as necessary)

Wayman W. Buchanan
Well Operator

By: [signature]

Date: August 2, 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

35
8-81)

REVISED

Date August 2, 1982
Operator's
Well No. Metz #1
Farm Woodrow Metz
API No. 47 - 085 - 5701

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

L TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow X /)

CATION: Elevation: 1010 Watershed Cabin Run
District: Grant County Ritchie Quadrangle Cairo 7.5'

COMPANY Wayman W. Buchanan
DDRESS 444 Petroleum Commerce Building San Antonio, Texas 78205
SIGNATED AGENT Jim P. Morris
DRESS 401 Peoples Building Charleston, WV 25301
URFACE OWNER Gene Metz
DDRESS Mineral Wells, WV 26101
NERAL RIGHTS OWNER Woodrow Metz
DDRESS 8350 Emerson Avenue Parkersburg, WV 26101
IL AND GAS INSPECTOR FOR THIS WORK Deo Mace ADDRESS Rt. 1, Box 5 Sandridge, WV 25274
ERMIT ISSUED 10/20/81
RILLING COMMENCED 6/28/82
RILLING COMPLETED 7/5/82
APPLICABLE: PLUGGING OF DRY HOLE ON NTINUOUS PROGRESSION FROM DRILLING OR WORKING. VERBAL PERMISSION OBTAINED

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.		--	
13-10"			
9 5/8		318'	Circ.
8 5/8			
7		2250'	Circ.
5 1/2			
4 1/2		5075'	240 sks.
3			
2			
Liners used			

RECEIVED
SEP - 7 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OLOGICAL TARGET FORMATION Marcellus Shale Depth 4800 feet
Depth of completed well 5095 feet Rotary X / Cable Tools ___
Water strata depth: Fresh 95 feet; Salt 1495 feet
Coal seam depths: None Is coal being mined in the area? No

EN FLOW DATA
Producing formation Huron/Benson Pay zone depth 4553-4936 feet
Gas: Initial open flow S/G Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 300 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure 1320# psig (surface measurement) after 42 hours shut in
(If applicable due to multiple completion--)
Second producing formation None Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

R.T. 5701

04/19/2024

METZ #1

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

47-085-5701

VICKY R. BURDETTE
NOTARY PUBLIC
WEST VIRGINIA

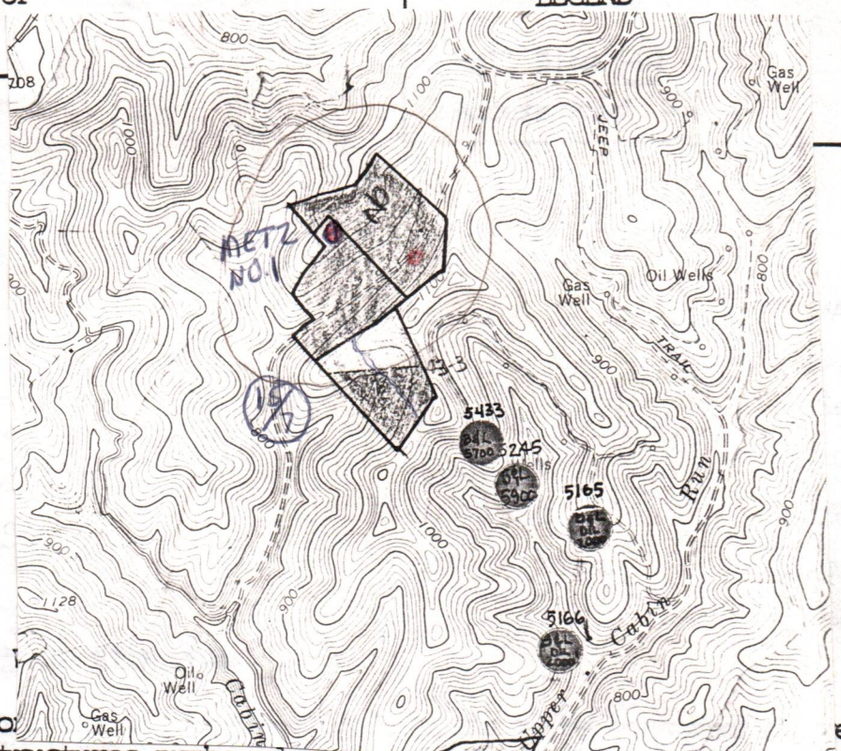
RECEIVED
JUN 17 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

04/19/2024

04/19/2024

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

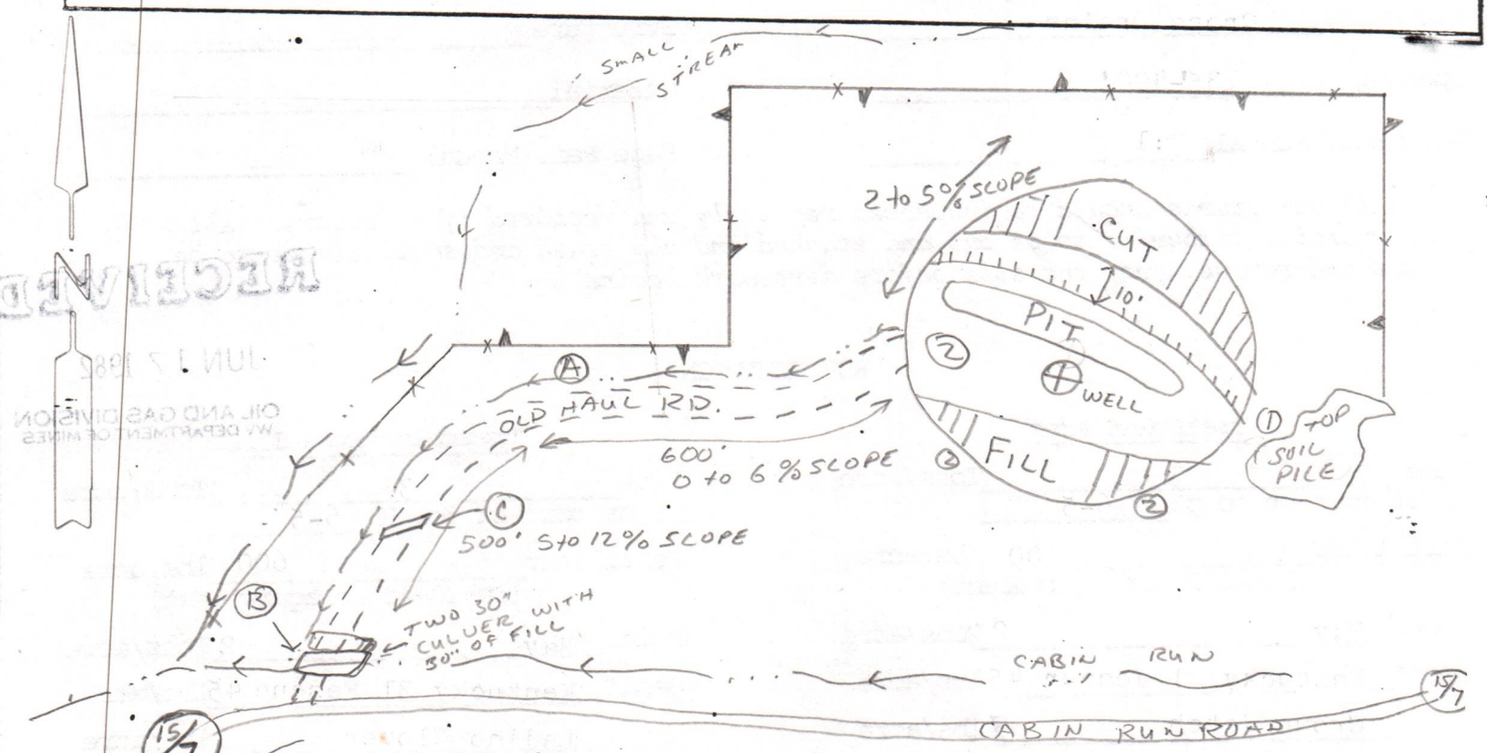
LEGEND



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

LEGEND

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



LOCATION

1. LOCATION IS ON TOP OF RIDGE 2 to 5% SLOPE WOODLAND
2. SIZE OF LOCATION WILL BE 150' X 200'
3. ALL TIMBER WILL BE CUT & STACKED ACCORDING TO LAND OWNERS WANTS.
4. ACESS ROAD WILL HAVE SIDE SLOPES & DRAINS
5. RECLAMATION WILL BE DONE 6 MONTHS AFTER WELL IS completed.

04/19/2024

IV-9
(Rev 8-81)

DATE June 10, 1982
WELL NO. Metz No. 1
API NO. 47-085-5701

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

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

DESIGNATED AGENT Jim P. Morris
Address Charleston, WV
Telephone 345-6631
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 Newland (SCD Agent)

ACCESS ROAD

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

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

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

LOCATION

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

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

Structure (3)
Material
Page Ref. Manual

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.

RECEIVED
JUN 17 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 8 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

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

04/19/2024

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

PLAN PREPARED BY Olin Shockey
ADDRESS Rt. 1, Box 139-B
Ravenswood, WV 26164
PHONE NO. 304-273-2246

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

Final

INSPECTOR'S WELL REPORT

RECEIVED
JUL 18 1983
OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 47 085 5701

Oil or Gas Well (KIND)

Company Buchanan

Address

Farm MeTZ

Well No. 1

District County Ritchie

Drilling commenced

Drilling completed Total depth

Date shot Depth of shot

Initial open flow /10ths Water in Inch

Open flow after tubing /10ths Merc. in Inch

Volume Cu. Ft.

Rock pressure lbs. hrs.

Oil bbls., 1st 24 hrs.

Fresh water feet feet

Salt water feet feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. FT. Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT FEET INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Drillers' Names

Remarks:

7 1483 Seed Reclaimed NO Evidence of Lime + Fert.
Seed + Mulch Good
NO Number on well
Cannot Release

7 1483
DATE

DISTRICT WELL INSPECTOR

04/19/2024

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Well No._____

Permit No._____

COMPANY_____ ADDRESS_____

FARM_____ DISTRICT_____ COUNTY_____

Filling Material Used_____

Liner	Location	Amount	Packer	Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names_____

Remarks:

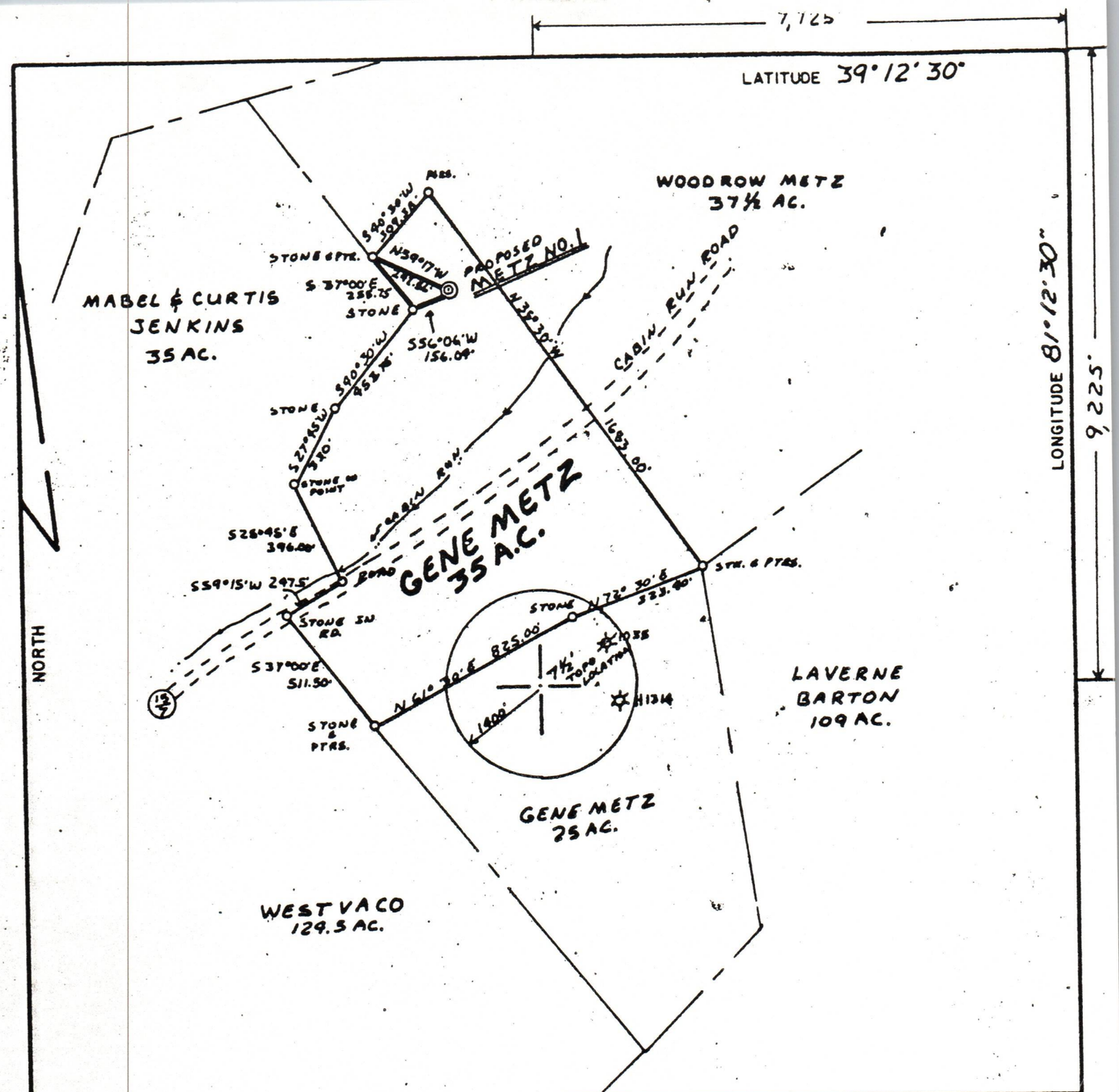
_____ I hereby certify I visited the above well on this date.

DATE

_____

DISTRICT OIL AND GAS INSPECTOR

04/19/2024



FILE NO. F.B 30 DRAWING NO. 82033 SCALE 1" = 500' MINIMUM DEGREE OF ACCURACY 1:200 PROVEN SOURCE OF ELEVATION EXISTING WELL H-1314 975' S.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] R.P.E. _____ L.L.S. 434	PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)

DATE MARCH 1, 1982
OPERATOR'S WELL NO. METZ NO. 1
API WELL NO.
47 - ____ - ____
STATE COUNTY PERMIT

Department of Mines
Oil & Gas Division

WELL TYPE: OIL X GAS X LIQUID INJECTION ____ WASTE DISPOSAL ____
(IF "GAS", PRODUCTION ____ STORAGE ____ DEEP ____ SHALLOW X

LOCATION: ELEVATION 1064' WATER SHED CABIN RUN
DISTRICT GRANT COUNTY RITCHIE
QUADRANGLE CAIRO (7½ QUAD)

04/19/2024

SURFACE OWNER GENE METZ ACREAGE 35
OIL & GAS ROYALTY OWNER WOODROW METZ LEASE ACREAGE 35
LEASE NO. ____

PROPOSED WORK: DRILL X 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 SANANTONIO, TEXAS ADDRESS CHARLESTON, W.V.