

(Obverse)

(Revised 3-81)



Farm Metz #3

API #47 - 085 - 5715

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: 1010' 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 12.5

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

SURFACE OWNER Gene Metz  
Address Mineral Wells, WV 26150  
Acreage 25

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

**RECEIVED**

JUN 18 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 126. 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.

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

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, 2050/60 feet.

Approximate coal seam depths: None

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

CASING AND TUBING PROGRAM

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

FE: 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 2-25-83,
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

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 well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

05/03/2024

file

Date: , 19 .

By: [Signature]

Its: [Signature]



DATE June 10, 1982

WELL NO. Metz No. 3

State of West Virginia  
Department of Mines  
Oil and Gas Division

API NO. 47-085-5715

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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

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.

REVEGETATION

Treatment Area I

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  
Crown Vetch 10 lbs/acre  
\_\_\_\_\_ lbs/acre

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

05/03/2024

\*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

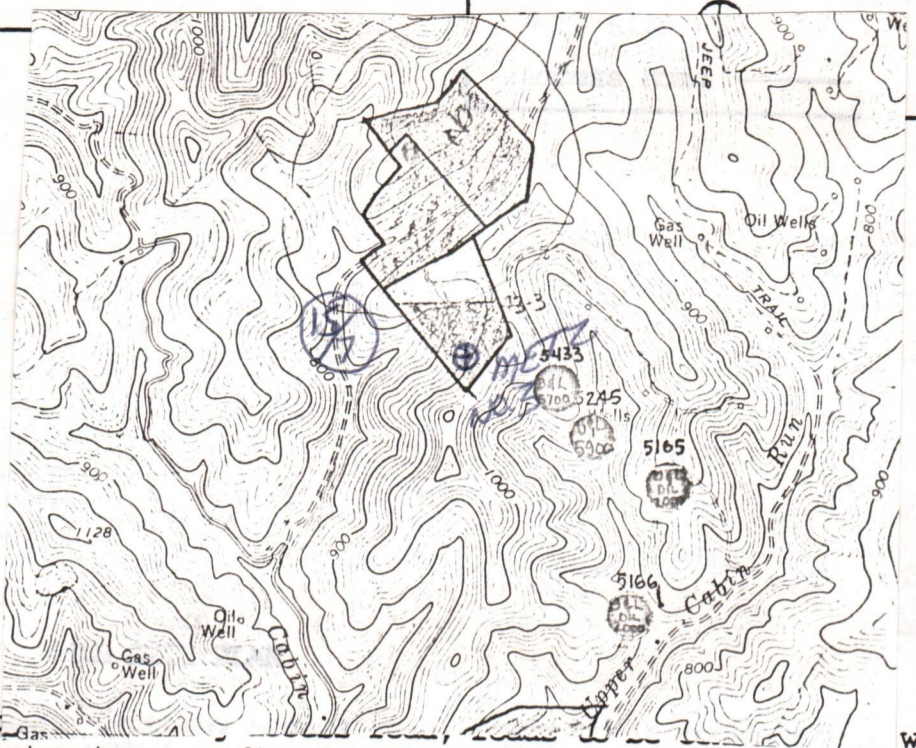
Ravenswood, WV 26164

PHONE NO. 304-273-2246

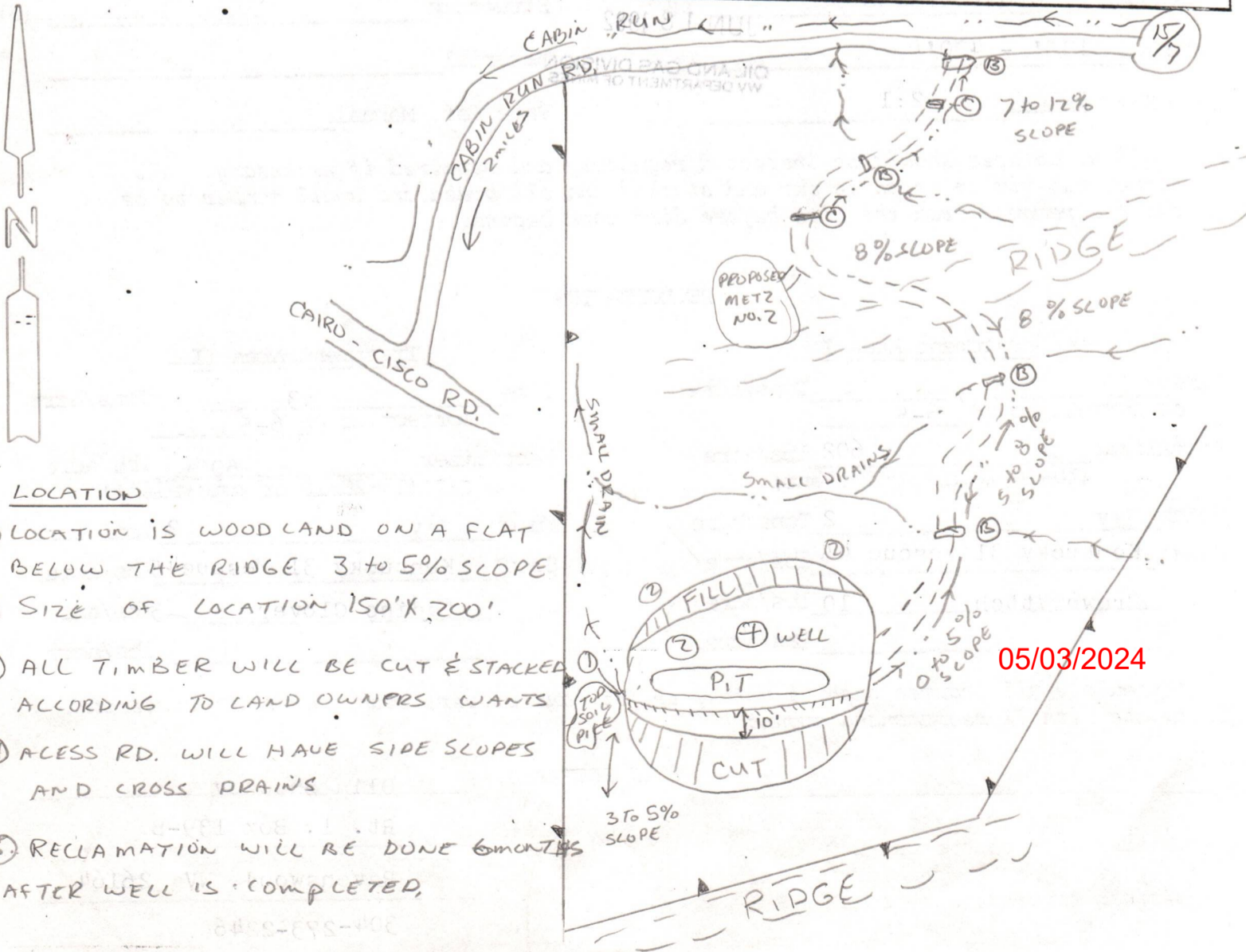
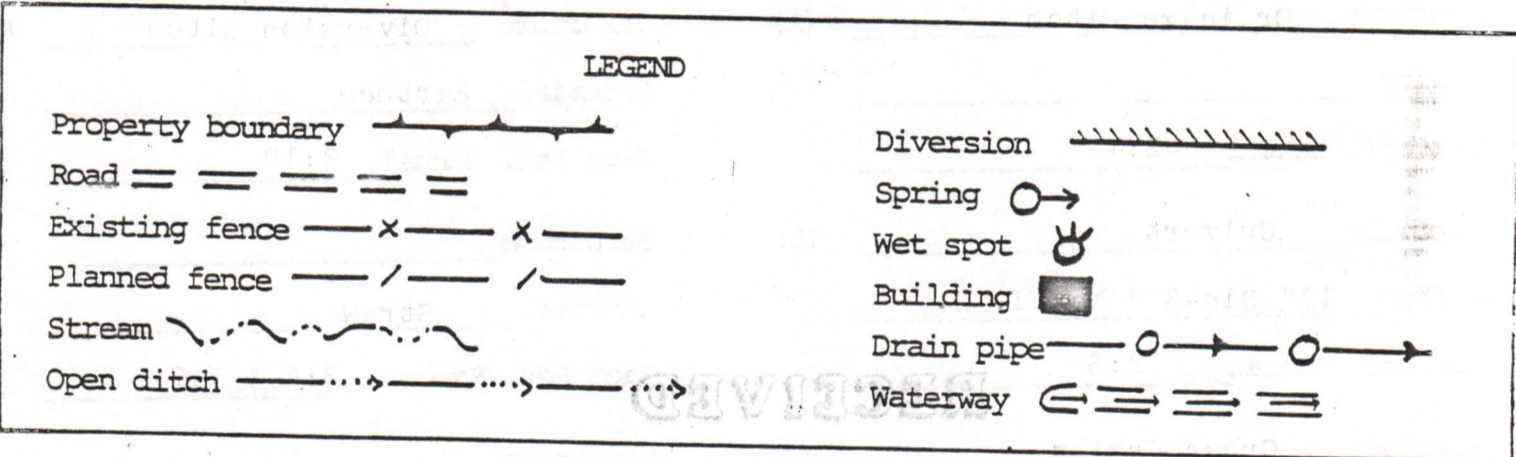
NOTES: Please request landowners' cooperation to protect new seedlings for one growing season. Attach separate sheets as necessary for comments.

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

LEGEND



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.



LOCATION

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

05/03/2024

MET 2 #3

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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

47-085-5715



05/03/2024

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MAY 1 1980

DEPARTMENT OF MINES  
OIL AND GAS DIVISION



05/03/2024



Date September 1, 1982

State of West Virginia  
Department of Mines  
Oil and Gas Division

Operator's  
Well No. Metz #3  
Farm Gene Metz  
API No. 47 -085 - 5715

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

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

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

COMPANY Wayman W. Buchanan  
ADDRESS 444 Petroleum Commerce Bldg.  
San Antonio, Texas 78205  
DESIGNATED AGENT Jim P. Morris  
ADDRESS 401 Peoples Building  
Charleston, WV 25301  
SURFACE OWNER Gene Metz  
ADDRESS Mineral Wells, WV  
MINERAL RIGHTS OWNER Woodrow Metz  
ADDRESS 8350 Emerson Avenue  
Parkersburg, WV 26101  
OIL AND GAS INSPECTOR FOR THIS WORK Deo  
Mace ADDRESS Rt. 1, Box 5  
Sandridge, WV  
PERMIT ISSUED 5/25/82  
DRILLING COMMENCED 7/19/82  
DRILLING COMPLETED 7/26/82

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"			
9 5/8		325	Circ.
8 5/8			
7		2145	Circ.
5 1/2			
4 1/2		4968	215 sks
3			
2			
Liners used			

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MAR 23 1983  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON:

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 4800 feet  
Depth of completed well 4989 feet Rotary X / Cable Tools  
Water strata depth: Fresh 70 feet; Salt 1885 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 3999-3726 feet  
Gas: Initial open flow 146 Nat. Mcf/d Oil: Initial open flow 0 Bbl/d  
Final open flow 360 Mcf/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 3 hours  
Static rock pressure 410 psig (surface measurement) after 30 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 (surface measurement) after \_\_\_\_\_ hours shut in

05/03/2024

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

Perforated 3999 - 3726, 37 holes.  
 Treated with 1500 gals. nitroified 15% HCL acid  
 Fractured with 2,000,000 scf Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fre and salt water, coal, oil and g
Red rock and shale			0	345	Temperature shows at 2385; 4000; 4615; 4660.
Shale			345	489	
Sand			489	562	146 MCF @ TD
Shale			562	578	
Sand			578	756	
Shale			756	1140	
Sand			1140	1158	
Shale			1158	1457	
Sand			1457	1690	
Shale			1690	1712	
Sand			1712	1795	
Shale			1795	1800	
Big Lime			1800	1885	
Injun			1885	1900	
Squaw			1900	2007	
Shale			2007	2372	
Coffee Shale			2372	2385	
Berea			2385	2390	
Shale			2390	4410	
Huron Shale			4410	4651	
Shale			4651	4989	
TD			4989		

(Attach separate sheets as necessary)

Wayman W. Buchanan  
 Well Operator

By:

*Guy Wright* 05/03/2024

Date: September 1, 1982

Note: Regulation 2.02(d) 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."



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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5715

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

Company Wayman W. Buchanan

Address \_\_\_\_\_

Farm Gene Metz

Well No. Metz # 3

District Grant County Pit

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 168' 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 _____
8 1/4			
6 3/8			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

Contractor Clint Hurt - Rig # 2

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

Remarks: Ran 325' of 9 5/8 casing used 135 sacks cement cemented by Halliburton

7-20-82  
DATE

Samuel Newman 05/03/2024  
DISTRICT WELL INSPECTOR

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

05/03/2024  
DISTRICT WELL INSPECTOR

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5715

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

Company Wayman W. Buchanan

Address \_\_\_\_\_

Farm Dene Metz

Well No. Metz # 3

District Grant County Pitkin

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 168 feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
6 5/8			
5 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			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 \_\_\_\_\_

Contractor Clint Hurt Rig # 2

Remarks: Visit rig - Hole was ~~not~~ completed 4 1/2 casing run  
Rig had been moved out - rigging still at location

7-26-82  
DATE

Samuel N. Buchanan 05/03/2024  
DISTRICT WELL INSPECTOR

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: \_\_\_\_\_

DATE

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

05/03/2024

DISTRICT WELL INSPECTOR

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

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OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 47085 5715

*Final*

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

Company <u>Buchanan</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Mety</u>	16			Kind of Packer _____
Well No. <u>#3</u>	13			
District _____ 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: 7/14/83 Just Redrilled, Timber in fill, 5 stumps not covered, no visible Lime & Fast, seed & match ok.  
no numbers  
7/14/83 Cannot Release  
05/03/2024

DATE \_\_\_\_\_ DISTRICT WELL INSPECTOR \_\_\_\_\_

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

05/03/2024  
DISTRICT WELL INSPECTOR

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

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JUL 17 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 47-085-5715

Oil or Gas Well OIL&GAS  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>W.W. BUCHANNAN</u>				
Address		Size			
Farm	<u>METZ</u>	16			Kind of Packer
Well No.	<u>#3</u>	13			
District	County	10			Size of
Drilling commenced		8 1/4			
Drilling completed	Total depth	6 5/8			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: INSPECTED THIS WELL SITE AFTER RECEIVING CALL FROM SAM HERSMAN, WHO HAD BEEN REFERRED TO BY DNR, WHO HAD BEEN REFERRED TO BY MOLLOHAN'S OFFICE FROM A MRS. CHARLES METZ. MR. METZ HAD APPARENTLY CALLED MOLLOHAN'S OFFICE COMPLAINING ABOUT A WELL ROAD WHICH HAS BEEN MADE ABOVE A COUNTY ROAD(LOWER CABIN RUN IN RITCHIE COUNTY)AND THE WELL ROAD HAD A SLIP IN IT WHICH HAD NEARLY BLOCKED THE ROAD. THE SLIP HAS BEEN PARTIALLY REMOVED, BUT STILL NEEDS SOME WORK ON IT. I CONTACTED THE STATE HIGHWAY DEPT IN RITCHIE AND TALKED TO A MR. BILL MCDONALD, A FIELD SUPERVISOR FOR THIS AREA, AND HE SAID HE WOULD CONTACT BUCHANNAN'S FIELD SUPERVISOR, LEROY HOPKINS, AND SEE IF HE COULD NOT GET SOME ACTION ON THE ROAD. I WILL FOLLOW UP LATER!!

9 JULY 1984

DATE

*Allen H. Robinson*  
ALLEN H. ROBINSON  
DISTRICT WELL INSPECTOR

05/03/2024

**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

DISTRICT WELL INSPECTOR

05/03/2024





**RECEIVED**

OCT 3 0 1984

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

**OIL & GAS DIVISION**  
**DEPT. OF MINES**

**FINAL INSPECTION REPORT**  
**INSPECTORS COMPLIANCE REPORT**

COMPANY WAYMAN W. BUCHANAN

PERMIT NO 47-085-5715

444 PETROLEUM COMMERCE BLDG

FARM & WELL NO GENE METZ #3

SAN ANTONIO, TX 78205

DIST. & COUNTY GRANT/RITCHIE

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads	X	
25.01	Necessary Equipment to Prevent Waste	X	
23.04	Reclaimed Drilling Pits	X	
23.05	No Surface or Underground Pollution	X	
23.07	Requirements for Production & Gathering Pipelines	X	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings	X	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Glen P. Robinson*  
GLEN P. ROBINSON

DATE 23 OCTOBER 1984

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

*T. H. ...*  
Administrator-Oil & Gas Division

January 3, 1985  
DATE

05/03/2024

1.0 API well number: (If not available, leave blank. 14 digits.)	47-085-5715
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA <span style="float: right;">Category Code</span>
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4989 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 444 Petroleum Commerce Building <span style="float: right;">Sell</span> Street San Antonio <span style="float: right;">Texas</span> <span style="float: right;">78205</span> City <span style="float: right;">State</span> <span style="float: right;">Zip Code</span>
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Unknown Field Name County <span style="float: right;">State</span>
(b) For OCS wells:	Area Name <span style="float: right;">Block Number</span> Date of Lease: Mo. Day Yr. <span style="float: right;">OCS Lease Number</span>
(c) Name and identification number of this well: (35 letters and digits maximum.)	Metz #3
(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 Corporation Name <span style="float: right;">Buyer</span>
(b) Date of the contract:	Mo. Day Yr.
(c) Estimated annual production:	MMcft.

	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total (b) and (c)
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 <span style="float: right;">Designated Agent</span> Name <span style="float: right;">Title</span>
Agency Use Only Date Received by Juris. Agency <div style="text-align: center; font-size: 1.2em; font-weight: bold;">SEP 7 1982</div> Date Received by FERC	Signature  Date Application is Completed 9/24/82

05/03/2024

PARTICIPANTS:

DATE: JAN 26 1983

QUALIFIED

BUYER-SELLER CODE

WELL OPERATOR: Wayman W. Buchanan

FIRST PURCHASER: Consolidated Gas Supply Corp.

004228

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
820928-107-085=5715  
 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. 7058.0 All
- 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: 7-19-82 Date completed 7-26-82 Deepened \_\_\_\_\_
- (5) Production Depth: 3999-3726
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 360 MCF
- (5) After Frac. R. P. 440 # 30 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 Report
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information 05/03/2024
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

7B

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

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

Gas Purchase Contract No. and Date
Water Chart Code (Month, day and year)

Name of First Purchaser Consolidated Gas Supply Corp.
P. O. Box 2450
Clarksburg, WV 26301
(Clarksville, State) (Zip Code)

FERC Seller Code FERC Buyer Code

TYPE OF DETERMINATION BEING SOUGHT:

- (X) (1) Initial determination (See FERC Form 121.) Section of NGPA 107 Category Code
( ) (2) Determination that increased production is the result of enhanced recovery technology.
( ) (3) Determination of a seasonally affected well.

Jim P. Morris Designated Agent
Name (Print) Title
Signature
401 Peoples Building
Street or P. O. Box
Charleston, WV 25301
City State (Zip Code)
(04) 345-6631
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section 108 of (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the day of 1982, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No.

Initial review of information submitted indicates the well is is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will proceed to determination.

WEST VIRGINIA DEPARTMENT OF MINES

SEP 7 1982

Director
By
Title

Received by
Jurisdictional Agency

IV-55

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES OIL AND GAS DIVISION

Date 9/24/82  
Operator's Well No. Metz #3  
Tel. No. 47-085-5715  
State \_\_\_\_\_

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
MGPA Section 107

DESIGNATED AGENT Jim P. Morris  
ADDRESS 401 Peoples Building  
Charleston, WV 25301  
LOCATION Elevation 1010  
Watershed Cabin Run  
Dist Grant County Ritchie Quad Cairo 7.  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

WELL OPERATOR Wayman W. Buchanan  
ADDRESS 444 Petroleum Commerce Bldg.  
San Antonio, Texas 78205  
GAS PURCHASER Consolidated Gas Supply Corp  
ADDRESS P. O. Box 2450  
Clarksburg, WV 26301

Date surface drilling began: 7/19/82

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

- BHP = 410 + 410 (e  $\frac{4989 \times .68}{53.34 \times (110 + 460)} - 1$ )
- BHP = 410 + 410 (1.12 - 1)
- BHP = 410 + 48.4
- BHP = 458

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 September, 1982, has acknowledged the same before me, in my county aforesaid.

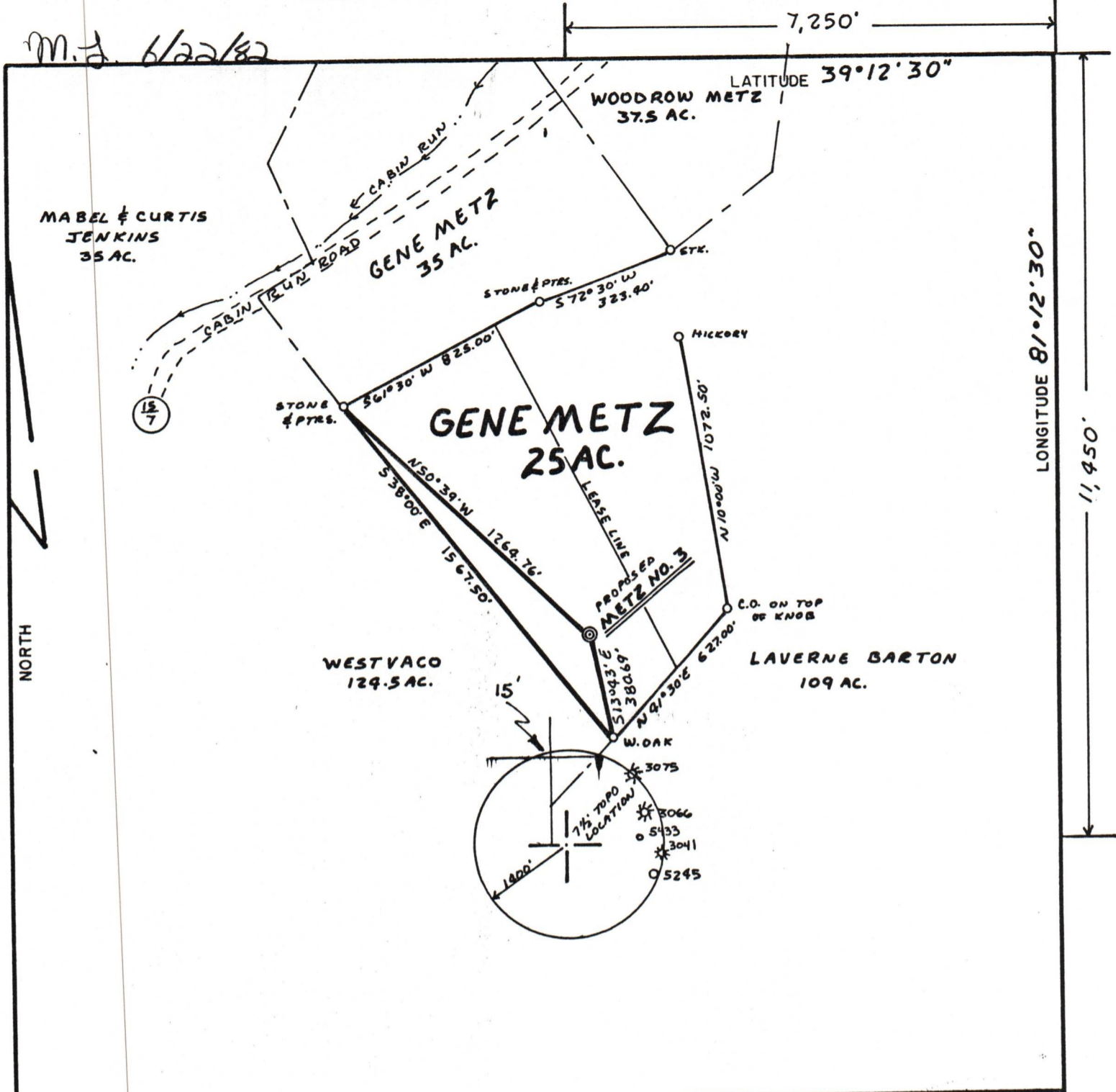
Given under my hand and official seal this 24th day of September, 1982.  
My term of office expires on the 1st day of December, 1990.

{NOTARIAL SEAL}

Vicky R. Burdette  
Notary Public

05/03/2024

M.A. 6/22/82



FILE NO. F.B. 30  
 DRAWING NO. 82035  
 SCALE 1:500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION EXISTING WELL H-1319 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]  
 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. 3  
 API WELL NO. \_\_\_\_\_  
47-085-5715  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW )

LOCATION: ELEVATION 1010' WATER SHED CABIN RUN  
 DISTRICT GRANT COUNTY RITCHIE  
 QUADRANGLE CAIRO (7 1/2')

SURFACE OWNER GENE METZ ACREAGE 25  
 OIL & GAS ROYALTY OWNER WOODROW METZ LEASE ACREAGE 18 05/03/2024  
 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.