

(Reverse)
(Revised 3-81)



Farm Moats #1
API #47 - 085 - 5688
Date 6/7/82

5688

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas x /
(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow x /

LOCATION: Elevation: 1079.8' Watershed: Devils Hole Creek & Elm Run
District: Grant County: Ritchie Quadrangle: Harrisville (7 1/2')

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

DESIGNATED AGENT Jim P. Morris
Address 414 Peoples Building
Charleston, WV 25301

OIL AND GAS
ROYALTY OWNER Jeffrey L. Moats, etal
Address Rt. 1
Harrisville, WV
Acreage 50

COAL OPERATOR None
Address _____

SURFACE OWNER Same as above
Address _____
Acreage 50

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
Sandyridge, WV 25274
Telephone 655-7398

RECEIVED

JUN - 7 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 11/23, 1981, to the undersigned well operator from Jeffrey L. Moats, etal.

If said deed, lease, or other contract has been recorded:
Recorded on 2/2, 1982, in the office of the Clerk of County Commission of Ritchie County, West Virginia, in 141 Book at page 140. 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 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 PHYSICAL LOGS DIRECTLY TO:

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

BLANKET BOND

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

PROPOSED WORK ORDER

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

DRIILLING CONTRACTOR (IF KNOWN) Clint Hurt

Address Edens Fork, WV

GEOLOGICAL TARGET FORMATION Marcellus Shale
Estimated depth of completed well 4800 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 150 feet; salt, 1900 feet.
Approximate coal seam depths: None
Is coal being mined in this area: Yes / No X /

DRILLING AND TUBING PROGRAM

DRILLING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	9 5/8			X			350	Circ.	Kinds
Fresh water									
Coal									Sizes
Intermediate	7			X			2200	Circ.	
Production tubing	4 1/2			X			4800	480 sks.	Depths set
Packers									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 HERESY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 2-14-83.

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. I, 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.

04/19/2024

Date: , 19 .

By:

Its:

MARKET BOARD



IV-9
(Rev 8-81)

DATE June 4, 1982
WELL NO. Moats No. 1
API NO. 47 - 085 - 5688

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

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

LANDOWNER Jeff Moats

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: 6-5-82

(Date)
Jarrett Newton
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Culvert</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>12" Steel</u>	Material <u>Earthen</u>
Page Ref. Manual <u>1:7 & 1:5</u>	Page Ref. Manual <u>1-9</u>
Structure <u>Ditches along roads</u> (B)	Structure _____ (2)
Spacing _____	Material <u>Straw</u>
Page Ref. Manual <u>1:11</u>	Page Ref. Manual <u>1:15 & 1:16</u>
Structure _____ (C)	Structure <u>RECEIVED</u> (3)
Spacing _____	Material _____
Page Ref. Manual _____	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

Lime 3 Tons/acre
or correct to pH 6-5

Fertilizer 1,000 lbs 10-10-10 lbs/acre
(10-20-20 or equivalent)

Mulch Hay (Straw) 2 Tons/acre

Seed* Ky 31 40 lbs/acre
Ladino Clover 4 lbs/acre
Rye Grain 4 lbs/acre

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6-5

Fertilizer 1,000 lbs 10-10-10 lbs/acre
(10-20-20 or equivalent)

Mulch Hay (Straw) 2 Tons/acre

Seed* Ky 31 40 lbs/acre
Ladino Clover 4 lbs/acre
Rye Grain 4 lbs/acre

*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.

04/19/2024

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

Perforated 4851 - 4493, 26 holes.
 Frac with 1500 gals. 15% Nitrofrated acid, 1,250,000 scf N₂.

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			0	578	
Sand			518	580	
Shale			580	665	
Sand			665	696	
Shale			696	970	
Sand			970	1017	
Shale			1017	1305	
Sand			1305	1351	
Shale			1351	1506	
Sand			1506	1570	
Shale			1570	1605	
Sand			1605	1710	
Shale			1710	1789	
Sand			1789	1886	
Shale			1886	1939	
Big Lime			1939	2060	
Big Injun			2060	2107	
Squaw			2107	2146	
Shale			2146	2495	
Coffee Shale			2495	2511	
Berea			2511	2514	
Shale			2514	4536	
Huron Shale			4536	4748	
Shale			4748	5205	
TD			5205		

(Attach separate sheets as necessary)

Wayman W. Buchanan
 Well Operator

By: *[Signature]*

04/19/2024

Date: August 2, 1982

Note: Regulation 9.02(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

RECEIVED

JUL 18 1983

Final
INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 47-0855688

Company Wayman W Buchanan

Address San Antonio Texas 78205

Farm M-1 Jeffery L mosts, etal

Well No. M-1

District Grant 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 _____
8 1/4			
6 5/8			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

Drillers' Names _____

Remarks: _____

7 14 83

NO Reclamation pit full water
no number

7-14-83

DATE

Cannot Release

Jeffery L. Mosts
DISTRICT WELL INSPECTOR

04/19/2024

DISTRICT WELL INSPECTOR

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

RECEIVED

AUG 15 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas Well _____
(KIND)

Permit No. 085 5688

Company	Address	Farm	Well No.	District	County	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
						Size			Kind of Packer
<u>Waymar Buchanan</u>		<u>Jeffery MORTS et al</u>	<u>#1</u>	<u>Grant</u>	<u>Ritchie</u>	16			
						13			
						10			Size of
						8 1/4			
						6 3/4			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
						_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES	_____ FEET _____ INCHES

Drillers' Names _____

Remarks: Landowner complaining that well had not been Reclaimed. ISSUED VIOLATION. Drilled in July of 1982 not Reclaimed.

8983
DATE

Jeffery M. ...
04/19/2024
DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 18 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085 5688

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Wayman Buchanan</u>		<u>J. J. Hays Mountain</u>		<u>Grant</u>	<u>Ritchie</u>											16			
																13			
																10			Size of
																8 1/4			
																6 3/4			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:

Working on Reclamation - no abatement yet.

81783

DATE

Jerry E. ...
04/19/2024
DISTRICT WELL INSPECTOR

RECEIVED

SEP 14 1983

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

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 085 5688

Final

Oil or Gas Well _____
(KIND)

Company Buchanan
 Address _____
 Farm MOOTS
 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 _____
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

Drillers' Names _____

Remarks:

OK To Release

9/28/83
DATE

Janey S. [Signature]
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:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
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

04/19/2024

11504444
AUG 26 1982

1.0 API well number: (If not available, leave blank. 14 digits.) 47-085-5688

2.0 Type of determination being sought: (Use the codes found on the front of this form.) 107
Section of NGPA OIL & GAS

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.) 5205 feet
DEPT. OF MINES

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)
 Name Wayman W. Buchanan
 Street 444 Petroleum Commerce Building
 City San Antonio State Texas Zip Code 78205

5.0 Location of this well: [Complete (a) or (b).]
 (a) For onshore wells (35 letters maximum for field name.)
 Field Name Unknown
 County Ritchie State WV
 (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.)
Moats #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.)
Name Cabot Corporation Buyer _____
 (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) Total (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>Deregulated</u>	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	_____	_____	_____	_____

9.0 Person responsible for this application:
 Agency Use Only
 Date Received by _____ Agency AUG 26 1982
 Date Received by FERC _____
 Name Jim P. Morris Designated Agent
 Title _____
 Signature Jim P. Morris
 Date Application is Completed 8/18/82

04/19/2024

PARTICIPANTS:

DATE: _____

BUYER-SELLER CODE

WELL OPERATOR: Wayman W. Buchanan

FIRST PURCHASER: ~~Consolidated Gas Supply Corp.~~

OTHER: Cabot Corp.

004030

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

820826-107-085-5688

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. 7.0 deregulated

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: 6-21-82 Date completed 6-28-82 Deepened ---

(5) Production Depth: 3774-3966

(5) Production Formation: Upper Shale Section

(5) Final Open Flow: 580 MCF

(5) After Frac. R. P. 1320# 36 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

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

0-17. Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information? yes 04/19/2024

Additional information --- Does computer program confirm? ---

Is Determination Objected to --- By Whom? ---

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 1079.8'
Watershed Devils Hole Ck. & Elm Run
Dist Grant County Ritchie Harrisville Quad 7.5

GAS PURCHASER Cabot Corporation
ADDRESS Charleston National Plaza
Charleston, WV 25301

Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling began: 6/21/82

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

BHP = 1320 + 1320 (e $\frac{5205 \times .68}{53.34 \times (110 + 460)} - 1$)

BHP = 1320 + 1320 (e $\frac{3539.4}{30403.8} - 1$)

BHP = 1320 + 1320 (1.13 - 1)

BHP = 1320 + 171.6

AFFIDAVIT

BHP = 1491.6

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

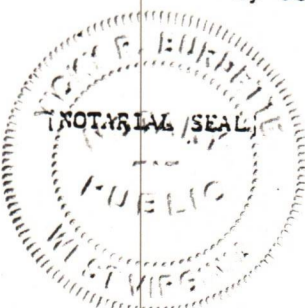
STATE OF WEST VIRGINIA.

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.



Vicky R. Burdette
Notary Public

04/19/2024

IV-27
11/23/81



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: 8-9-83
Well No: #1
API NO: 47-085-5688
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

WELL TYPE: Oil / Gas Liquid Injection / Waste Disposal /
Of "Gas" - Production / Storage / Deep / Shallow /

LOCATION: Elevation: _____ Watershed: _____
District: GRANT County: Ritchie Quadrangle: _____

WELL OPERATOR Buchanan DESIGNATED AGENT Loyd Hopkins
Address 444 RT, Corner Blvd. San Antonio Texas 78205 Address _____
Wagon, W.V. 245

The above well is being posted this 9th day of August, 1983, for a violation of Code 22-4-____ and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Well NOT Reclaimed in Specified Period of Time.

RECEIVED
AUG 15 1983

OIL & GAS DIVISION
DEPT. OF MINES

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until 8-16, 1983, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Jerry M. Tophack
Oil and Gas Inspector

Address RT1 Box 101A
Ripley W.V.

Telephone: 372 04/19/2024

Date: 8 25, 1983

Operator's Well No. Jeffery MORTSAR
API Well No. 47 - 085 - 5688
State County Permit

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

NOTICE OF ABATEMENT

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

LOCATION: Elevation: _____ Watershed: _____
District: Grawt County: Ritchie Quadrangle: _____

WELL OPERATOR Wayman Buchanan DESIGNATED AGENT Leroy Hopkins
Address _____ Address Givon WV.

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on 8 25, 1983,

- Upon the expiration of a period of time originally fixed for abatement.
- Upon the order of the Deputy Director for Oil and Gas at the request of the well operator.
- Upon the request of the Deputy Director for Oil and Gas.

The violation of Code § ^{22-4-12b} 23.03 heretofore found to exist on 8 9, 1983, by Form IV-27, "Notice of Violation" Form IV-28, "Imminent Danger Order" of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS

Violation abated.

RECEIVED

AUG 30 1983

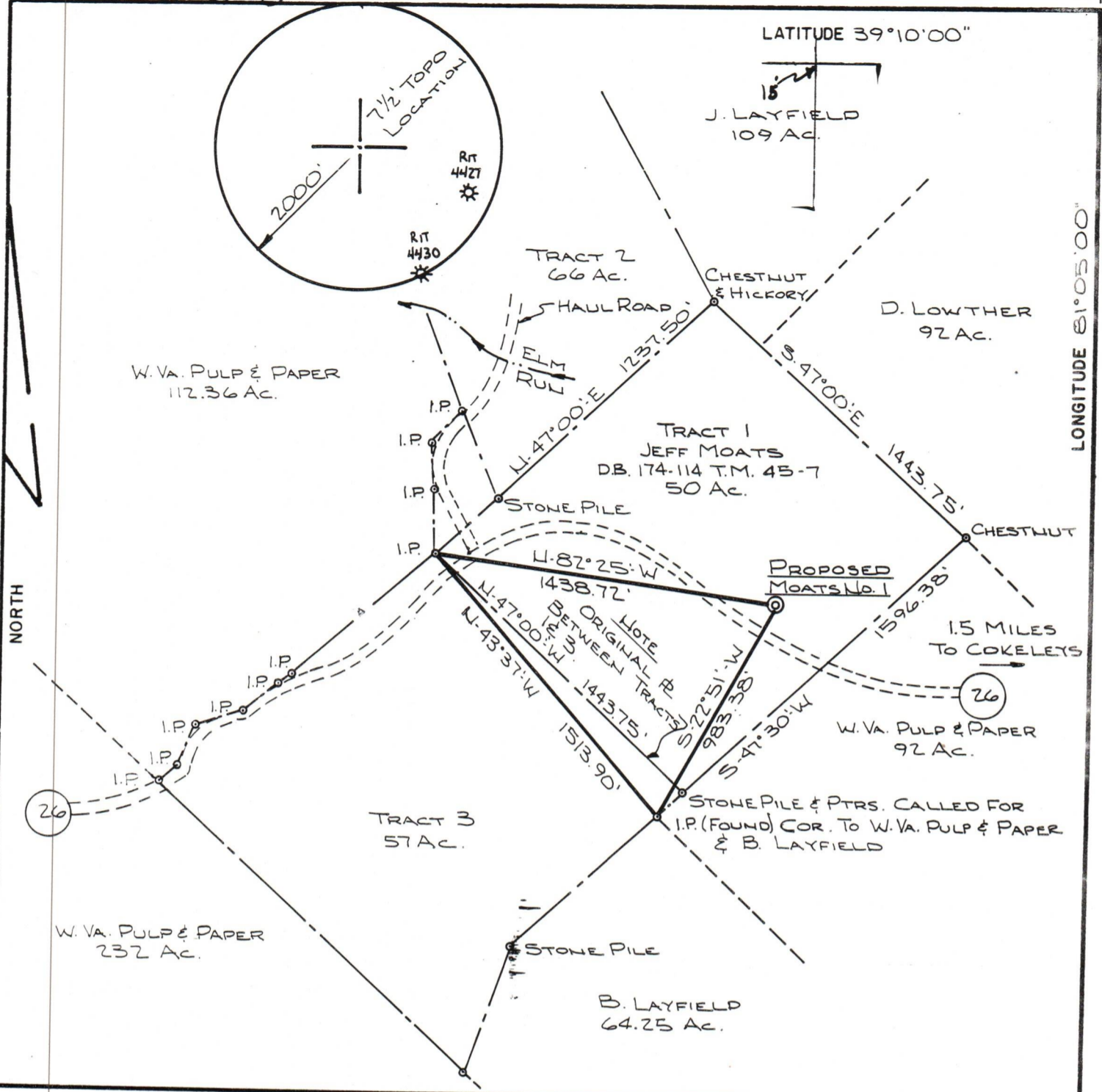
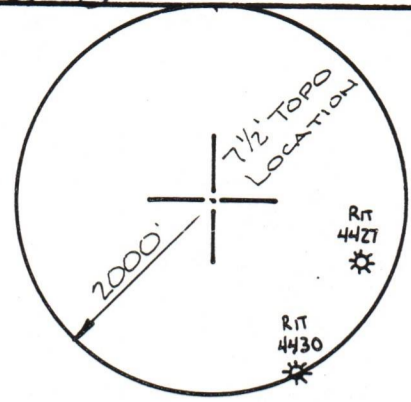
OIL & GAS DIVISION
DEPT. OF MINES

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

Jeffery M. Tye ^{04/19/2024}
Oil and Gas Inspector
Address: RT1 Box 101-A
Ripley WV
Telephone: 372 6805

2. 6/10/82

10,250'



FILE NO. F.B. 32
 DRAWING NO. 82077
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TOP OF RIDGE 1200' NORTHWEST 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) Wayman Buchanan
 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 6-3, 19 82
 OPERATOR'S WELL NO. MOATS NO. 1
 API WELL NO. 47-085-5688
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1079.8' WATER SHED DEVILS HOLE CREEK & ELM RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE HARRISVILLE (7.5')

SURFACE OWNER JEFF MOATS ACREAGE 50
 OIL & GAS ROYALTY OWNER JEFF MOATS & SHRADER HEIRS LEASE ACREAGE 50 04/19/2024

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 4800'
 WELL OPERATOR WAYMAN BUCHANAN DESIGNATED AGENT JIM P. MORRIS
 ADDRESS SAN ANTONIO, TEXAS ADDRESS CHARLESTON, W.VA.

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

RECEIVED

JUL 1 - 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Permit No. 85-5688

Oil or Gas Well _____
(KIND)

Company Wynnon Buchanan

Address _____

Farm J. L. Moats

Well No. 1

District Grant County Put

Drilling commenced 6-21-82

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 _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 9 5/8 SIZE 368 No. FT. 6-22-82 Date

NAME OF SERVICE COMPANY Halib.

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Clint Hunt

Remarks:

6-22-82

DATE

Des Mace

04/19/2024

DISTRICT WELL INSPECTOR

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

Perforated 4851 - 4493, 26 holes.
 Frac with 1500 gals. 15% Nitrofrated acid, 1,250,000 scf N₂.

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			0	578	
Sand			518	580	
Shale			580	665	
Sand			665	696	
Shale			696	970	
Sand			970	1017	
Shale			1017	1305	
Sand			1305	1351	
Shale			1351	1506	
Sand			1506	1570	
Shale			1570	1605	
Sand			1605	1710	
Shale			1710	1789	
Sand			1789	1886	
Shale			1886	1939	
Big Lime			1939	2060	
Big Injun			2060	2107	
Squaw			2107	2146	
Shale			2146	2495	
Coffee Shale			2495	2511	
Berea			2511	2514	
Shale			2514	4536	
Huron Shale			4536	4748	
Shale			4748	5205	
TD			5205		

(Attach separate sheets as necessary)

Wayman W. Buchanan
 Well Operator

By: *[Signature]*
 Date: August 2, 1982

04/19/2024

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."



REVISED

7-35
v 8-81)

Date August 2, 1982
Operator's _____
Well No. Moats #1
Farm Jeff Moats
API No. 47 - 085 - 5688

State of West Virginia
Department of Mines
Oil and Gas Division

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

WELL TYPE: Oil X / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow X /)
LOCATION: Elevation: 1079.8 Watershed Devils Hole Creek & Elm Run
District: Grant County Ritchie Quadrangle Harrisville 7.5'

COMPANY Wayman W. Buchanan
ADDRESS 444 Petroleum Commerce Building
San Antonio, Texas 78205
DESIGNATED AGENT Jim P. Morris
ADDRESS 401 Peoples Building
Charleston, WV 25301
SURFACE OWNER Jeff Moats
ADDRESS Rt. 1, Harrisville, WV
MINERAL RIGHTS OWNER Jeff Moats & Shrader
Heirs
ADDRESS Same
OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Rt. 1, Box 5
Sandridge, WV 25274

PERMIT ISSUED 6/14/82
DRILLING COMMENCED 6/21/82
DRILLING COMPLETED 6/28/82
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON: _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8		368'	Circ.
8 5/8			
7		2228'	Circ.
5 1/2			
4 1/2		5190'	243 sks
3			
2			
Liners used		SEP - 7 1982	
		OIL AND GAS DIVISION WV DEPARTMENT OF MINES	

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 4800 feet
Depth of completed well 5205 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 90 feet; Salt 135 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Upper Shale Section Pay zone depth 3774-3966 feet
Gas: Initial open flow S/G Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 580 Mcf/d Final open flow 6 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 1320# psig (surface measurement) after 36 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ 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

RECEIVED
SEP - 7 1982
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WV DEPARTMENT OF MINES

04/19/2024

P.T. 5688