



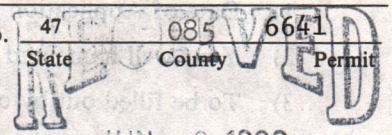
1) Date: May 30, 19 83

2) Operator's Well No. Mattern #1

3) API Well No. 47 State 085 County 6641 Permit

DRILLING CONTRACTOR:

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



JUN - 8 1983

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION  
DEPT. OF MINES

- 4) WELL TYPE: A Oil  / Gas   
B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 669' Watershed: Big Run  
District: Grant County: Ritchie Quadrangle: Cairo
- 6) WELL OPERATOR Anderson Drilling 11) DESIGNATED AGENT Raymond Mattern  
Address Box 55 Address Rt. 1 Box 4  
Fleming, Ohio 45729 Cairo, W.V. 26337
- 7) OIL & GAS ROYALTY OWNER Raymond Mattern 12) COAL OPERATOR \_\_\_\_\_  
Address Rt. 1 Box 4 Address \_\_\_\_\_  
Cairo, W.V. 26337
- 8) SURFACE OWNER Same as Above 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:  
Name Samual Hersman Name \_\_\_\_\_  
Address P.O. Box 66 Address \_\_\_\_\_  
Smithville, W.V. 26178
- 15) PROPOSED WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_  
Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 5900' feet
- 18) Approximate water strata depths: Fresh, 870' feet; salt, 425' feet.
- 19) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_ / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4			X				
Fresh water	v			v		100'	40'	Kinds
Coal								By Rule 15-05
Intermediate	8 5/8			X			1200'	Sizes
Production								CTS
Tubing	4 1/2			X			5900'	Depths set
Liners								470 SKS OR AS req by
								Perforations: Rule 15-01
								Top Bottom

- 21) EXTRACTION RIGHTS  
Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Bruce E. Doel Signed: Bobby Anderson  
My Commission Expires 3-1-91 Its: Owner

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-085-6641 Date August 2 83  
04/26/2024

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires April 2, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>10</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>309</u>
-----------------	------------------	--------------------------	----------------------------	-----------------

[Signature]  
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
 "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.

- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) **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 the receipt of this Application by the Department.**

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.

WAIVER

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 regulations.

04/26/2024

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

By \_\_\_\_\_  
 Its \_\_\_\_\_









IV-9  
(Rev 8-81)

DATE June 6, 1983  
WELL NO. Mattern #1  
API NO. 47 - 085 - 2641

State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Anderson Drilling Co.  
Address P.O. Box 55 Fleming, Ohio  
Telephone \_\_\_\_\_

DESIGNATED AGENT Raymond F. Mattern  
Address Rout 1- Box 4; Cairo, W.Va.  
Telephone \_\_\_\_\_

LANDOWNER Raymond F. Mattern  
Revegetation to be carried out by Anderson Drilling Co. (Agent)

SOIL CONS. DISTRICT LITTLE KANAWHA

This plan has been reviewed by LITTLE KANAWHA SCD. All corrections and additions become a part of this plan: 6-8-83 (Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drain (A)  
Spacing 400' per 1%  
Page Ref. Manual 2-4

Structure see comment (1)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure NONE (B)  
Spacing ||  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure NONE (C)  
Spacing ||  
Page Ref. Manual \_\_\_\_\_

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 \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 1.5 Tons/acre  
Seed\* Kv. 31 40 lbs/acre  
REDTOP 6 lbs/acre  
LADINO CLOVER 3 lbs/acre

Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 1.5 Tons/acre  
Seed\* Ky. 31 40 lbs/acre  
REDTOP 6 lbs/acre  
LADINO CLOVER 3 lbs/acre

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

PLAN PREPARED BY Bruce E. Doak 04/26/2024  
ADDRESS 293 Ash Circle  
Davisville, W.Va. 26142  
PHONE NO. (304) 485-4633

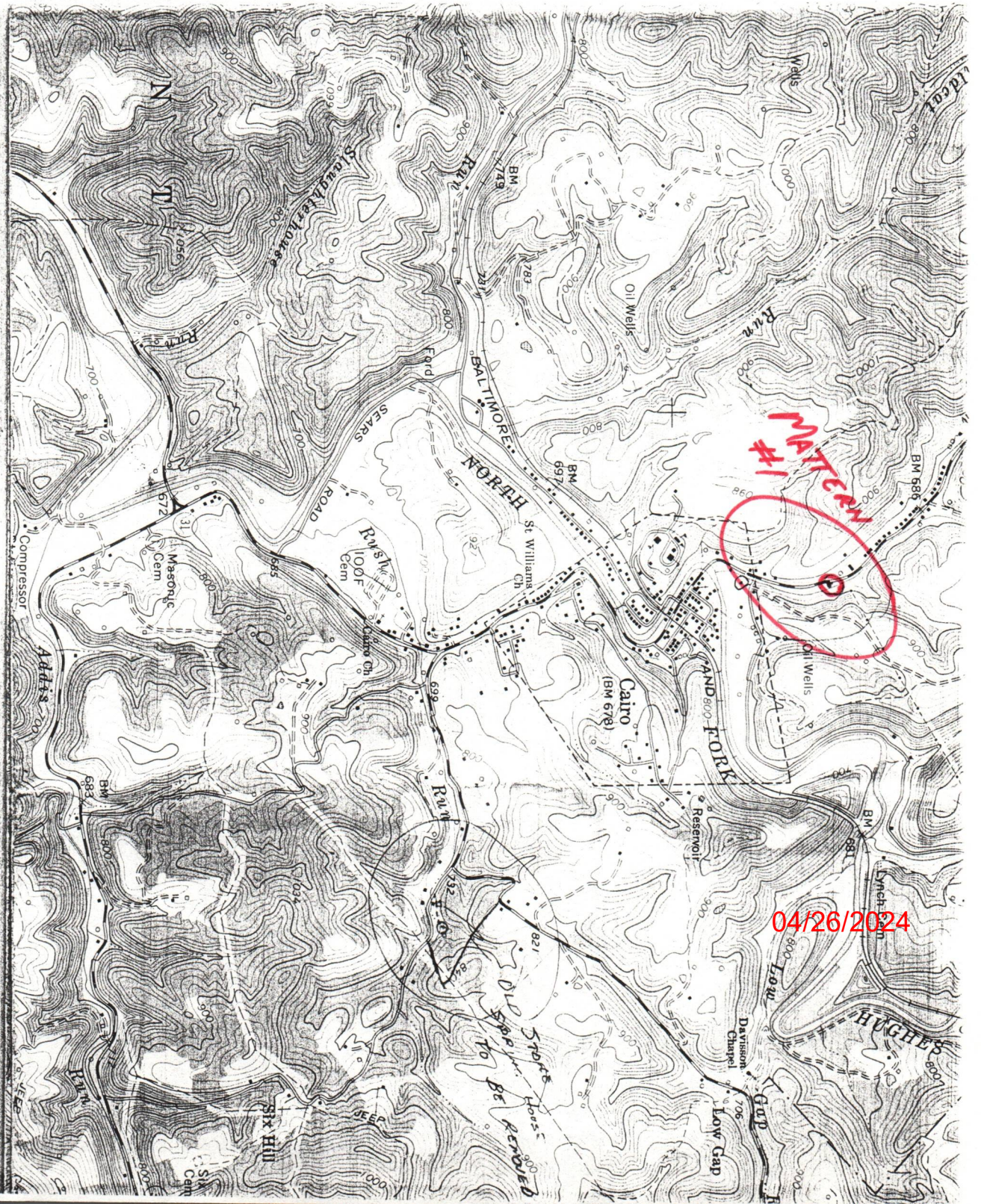
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.







085-6641



04/26/2024



085-6641

Assignment

RECEIVED

JUN - 8 1983

OIL & GAS DIVISION DEPT. OF MINES

This Agreement, Made and entered into this 27<sup>th</sup> day of MAY A. D. 19 83 by and between EASTERN MINERALS INC. AN OHIO CORPORATION of the first part and Bobby ANDERSON dba ANDERSON DRILLING of the second part

WITNESSETH: That the said EASTERN MINERALS INC. for and in consideration of the sum of TEN DOLLARS to THEM well and truly paid by ANDERSON DRILLING the receipt and payment of which is hereby acknowledged, has sold, granted, conveyed, assigned, transferred and set over, and by these presents do sell, grant, convey, assign, transfer and set over unto the said ANDERSON DRILLING of Box 55 FLEMING, Ohio THEIR heirs and assigns All

interest in the lease made by RAYMOND F. & DONNA V. MATTERN to GREAT NORTHERN EXPLORATION on the 9<sup>th</sup> day of FEBRUARY 1983 with All of the property, rights of property, interests, powers and possessions of every kind therein conveyed, all and singular, subject to the conditions therein specified WEST VIRGINIA State Ritchie County GRANT DISTRICT Township and bounded and described as follows to-wit:

North by the lands of D. FARLEY East by the lands of R. R. MAHANEY (SEE DEED BOOK 149, PAGE 166) South by the lands of R. R. MAHANEY West by the lands of LAMBERT & WAYBRIGHT containing FOURTEEN (14) acres, more or less

A 1/2 of 3/8 HAS BEEN PREVIOUSLY RESERVED BY XCO RESOURCES, INC.

PREPARED BY: EASTERN MINERALS INC. OF 149 E. LIBERTY ST. WOOSTER, OHIO 44691

In Witness Whereof, The parties have hereunto set their hands and seals the day and year first above written.

WITNESS:

Lisa A. Wiles Loren Sue Carver

R. Daniel Wiles PRES. [SEAL] Diane R. Wiles V.P. [SEAL] [SEAL] [SEAL]

STATE OF Ohio County of WAYNE } ss.

BE IT REMEMBERED, That on the 27<sup>th</sup> day of MAY A. D. 19 83 before me, a Notary Public in and for said County, personally came the above named EASTERN MINERALS INC. and in due form of law acknowledged the above indenture to be THEIR act and deed, and desired that the same might be recorded as such.

Lisa A. Wiles

04/26/2024





DATE: May 30, 1983

OPERATOR'S

WELL NO.: Mattern #1

API NO: 47 085 - 6641  
State County Permit

State of West Virginia

OFFICE OF OIL AND GAS  
DEPARTMENT OF MINES

A F F I D A V I T

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JUN - 8 1983

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia

County of Ritchie

I, Bobby Anderson (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that he, she, or it shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(c) (1982).

Signed: Bobby B. Anderson

Taken, Subscribed, and sworn to before me this 28 day of May, 19 83.

Notary: Bruce E. Doak  
Bruce E. Doak

My Commission Expires: June 3, 1991



CANCELLATION NOTICE

RECEIVED  
AUG - 7 1984

OIL & GAS DIVISION  
DEPT. OF MINES

Administrative Office of Oil & Gas  
State of West Virginia  
Department of Mines - Oil &  
Gas Division  
Charleston, West Virginia 25305

RE: Bond No. 2-317-558-6 Dated June 1, 1983 Amount \$ 2,500.  
Principal: Bobby B. Anderson DBA Anderson Drilling P.O. Box 55-Fleming, OH 45729  
Obligee: State of W. Va.  
Description: Well #1 in Grant District of Ritchie County, W. V. (Ret-6641)

WHEREAS, The Ohio Casualty Insurance Company (hereinafter called the Surety) executed, on the date indicated in the caption, a certain bond as described for and on behalf of the Principal and in favor of the Obligee whose names are written above, and

WHEREAS, by the terms of said bond, it is provided that the said Surety shall have the right to terminate its suretyship thereunder by serving notice of its election so to do upon the said Obligee, and

WHEREAS, the said Surety desires to take advantage of the terms of said bond as above referred to and does hereby elect to terminate its liability in accordance with the provisions thereof,

NOW, THEREFORE, you are hereby notified that THE OHIO CASUALTY INSURANCE COMPANY shall, on \_\_\_\_\_ (or) at the expiration of 30 days after the receipt of this notice (delete portion inapplicable) consider itself released from all liability by reason of any default committed thereafter by said Principal.

SIGNED AND SEALED this 1st day of August, 1984

THE OHIO CASUALTY INSURANCE COMPANY

By Robert S. Cannell  
Robert S. Cannell Attorney-In-Fact

P.O. Box 16679  
Columbus, Ohio 43216

CERTIFIED MAIL   
REGISTERED MAIL   
RETURN RECEIPT REQUESTED

Form S-2068-A

*Bonds are non-cancellable*

*Final insp. not signed  
or dated  
Drilling commence 11-17-83  
completed 11-26-83*

04/26/2024



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AUG - 7 1984

DEPT. OF MINES  
OIL & GAS DIVISION

CANCELLATION NOTICE

Administrative Office of Oil & Gas  
State of West Virginia  
Department of Mines - Oil &  
Gas Division  
Charleston, West Virginia 25305

RE: Bond No. S-317-558-6 Date: June 1, 1983 Amount \$ 2,500.  
Principal: Bobby E. Anderson DBA Anderson Drilling  
Office: State of W. Va.  
Description: Well 41 in Grant District of Riposte County, W. Va.

WHEREAS, The Ohio Casualty Insurance Company (hereinafter called the Surety) executed on the date indicated in the caption a certain bond as described for and on behalf of the Principal and in favor of the Obligor whose names are written above, and

WHEREAS, by the terms of said bond, it is provided that the said Surety shall have the right to terminate its suretyship thereunder by serving notice of its election so to do upon the said Obligor, and

WHEREAS, the said Surety desires to take advantage of the terms of said bond as above referred to and does hereby elect to terminate its liability in accordance with the provisions thereof

NOW, THEREFORE, you are hereby notified that THE OHIO CASUALTY INSURANCE COMPANY shall, on \_\_\_\_\_ day of \_\_\_\_\_ 1984, at the expiration of \_\_\_\_\_ 30 days after the receipt of this notice (delete portion inapplicable), consider itself released from all liability by reason of any default committed thereafter by said Principal.

SIGNED AND SEALED this \_\_\_\_\_ day of August 1984



BY: *[Signature]*  
THE OHIO CASUALTY INSURANCE COMPANY

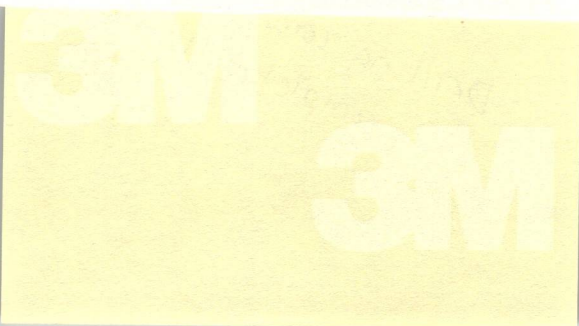
P.O. Box 15679  
Columbus, Ohio 43216

CERTIFIED MAIL   
REGISTERED MAIL   
RETURN RECEIPT REQUESTED

Form S-308-A

*[Handwritten signature]*

04/26/2024







IV-35  
(Rev. 8-81)

Date 1-25-84  
Operator's  
Well No. 1  
Farm Mattern  
API No. 47-08-085 - 6641

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 XX / Gas XX / Liquid Injection     / Waste Disposal     /  
(If "Gas," Production X / Underground Storage     / Deep     / Shallow X /)

LOCATION: Elevation: 669' Watershed Big Run  
District: Grant County Ritchie Quadrangle Cairo

COMPANY Anderson Drilling  
ADDRESS Box 55 Fleming, OH 45729  
DESIGNATED AGENT Raymond Mattern  
ADDRESS Cairo, W. Va.  
SURFACE OWNER Raymond Mattern  
ADDRESS Cairo, W. Va.  
MINERAL RIGHTS OWNER Raymond Mattern  
ADDRESS Cairo, W. Va.  
OIL AND GAS INSPECTOR FOR THIS WORK Sam Hershman  
ADDRESS P.O. Box 66 Smithville

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	10	10	-
13-10"	203	203	Surface
9 5/8			
8 5/8	1774.6	1774.6	100
7			
5 1/2			
4 1/2	4468	4468	605
3			
2			
Liners used			

PERMIT ISSUED 26178  
DRILLING COMMENCED Nov. 17, 1983  
DRILLING COMPLETED Nov 26, 1983

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4400 feet  
Depth of completed well 4396 feet Rotary X / Cable Tools      
Water strata depth: Fresh 120 feet; Salt none feet  
Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA  
Producing formation Devonian Shale Pay zone depth 4396 feet  
Gas: Initial open flow 250 Mcf/d Oil: Initial open flow - Bbl/d  
Final open flow 175 Mcf/d Final open flow 25 Bbl/d  
Time of open flow between initial and final tests 24 hours

Static rock pressure 925 psig (surface measurement) after 48 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

(Continue on reverse side)



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

The Mattern #1 was frac'd in three stages using 800,000 SCF of Nitrogen and 250 gallons of treated acid and 250 gallons of Torulene. The first stage consisted of 26 perfs from 4396-3971'; the second stage consisted of 24 perfs from 3954-3676' and the third stage consisted of 26 perfs from 3608-3399'.

NOTE: Intermediate casing set to 1775', No open hole log data above 1940'  
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	gry	sft	1940	2070	
Coffee Shale	blk	sft	2070	2085	
Sereia	ltgry	hd	2085	2103	
Shale	dkgry	sft	2103	2198	
Fifty Foot	ltgry	hd	2198	2212	
Shale	dk pink	brn sft	2212	2307	
Thirty Foot	clr-ltgry	hd	2307	2370	
Shale	md-dkgry	sft	2370	2492	
Gordon Stray	ltgry	tan hd	2492	2502	
Shale	lt-mdgry	sft	2502	2514	
Gordon	clgry	hd	2514	2569	
Shale	ltgry gry	sft	2569	3290	
Wiona	tan dkgry	sft	3290	3314	
Shale	brn tan	sft	3314	3344	
Speechley	drty wh	hd	3344	3360	
Shale	dkgry	sft	3360	4167	
Shale	ltgry tan	hd	4167	4178	
Shale	ltgry	sft	4178	4434	
Wenson	drtywh	hd	4434	4437	
Shale	gry	sft	4437	4484	

(Attach separate sheets as necessary)

By: Bob Anderson  
Well Operator

04/26/2024

By: Bob Anderson

Date: Mar. 12, 1984

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



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. 85-6641

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>Anderson Drilling</u>		<u>Raymond Mattern</u>	<u>Mattern # 1</u>	<u>Grant</u>	<u>Pitcher</u>	<u>11-19-83</u>										16			
																13			
																10			
																8 1/4			
																6 3/4			
																5 3/16			
																3			
																2			
																Liners Used			

Drillers' Names Freddy Wagoner / Charles Rush / Dave Johnson

W. H. Putnam Rig # 1 Toal Pusher Larry Fluharty

Remarks: Ran 205 foot of 11 3/4" casing  
B. J. Hughes ran 186 sacks Cement / class A  
Plug down at 1:37 P.M.  
good circulation

11-20-83  
DATE

Samuel M. Hershman  
DISTRICT WELL INSPECTOR

04/26/2024







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

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NOV 29 1983

INSPECTOR'S WELL REPORT OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 85-6641

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

Company <u>Anderson Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer
Address _____	16			_____
Farm <u>Raymond Mattern</u>	13			_____
Well No. <u>Mattern # 1</u>	10			Size of _____
District <u>Grant</u> County <u>Pitchie</u>	8 1/4			_____
Drilling commenced <u>11-19-83</u>	6 1/4			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			_____
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

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

Remarks: on 11-22-83 ran 1774 foot of 8 5/8" casing  
B.J. Hughes cemented - Back up collar placed on pipe  
about half way down hole  
Rig shut down at time of visit

11-23-83  
DATE

Samuel N. Harrison  
DISTRICT WELL INSPECTOR

04/26/2024







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

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DEC 1 - 1983

INSPECTOR'S WELL REPORT OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 85-6641

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

Company <u>Anderson Drilling</u> Address _____ Farm _____ Well No. <u>Matern #1</u> District <u>Grant</u> County <u>Ritchie</u> Drilling commenced <u>11-19-83</u> Drilling completed <u>11-27-83</u> Total depth <u>4480</u> 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 3/4			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

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

Remarks: Complete hole on 11-27-83 T.D. at 4480  
Ran app. 4450' of 4 1/2" casing  
Moving rig at time of visit

11-28-83  
DATE

Samuel M. Herman  
DISTRICT WELL INSPECTOR

04/26/2024









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OIL & GAS DIVISION  
DEPT. OF MINES

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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
November 1, 1984

COMPANY Anderson Drilling  
P. O. Box 55  
Fleming, Ohio 45729

PERMIT NO 085-6641  
FARM & WELL NO Raymond Mattern #1  
DIST. & COUNTY Grant/Ritchie

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

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

SIGNED Samuel A. Hersman

DATE 4-19-85

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.

Administrator-Oil & Gas Division

April 24, 1985

DATE

TMS/nw

04/26/2024



APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

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JUN 26 1985

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 085 - 6641 -			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4396 feet			
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	Anderson Drilling Name Box 55 Street Fleming Ohio 45729 City State Zip Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Cairo Field Name Ritchie WV County 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.)	Mattern #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.)	x Petro Mark Name Buyer Code			
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated total annual production from the well:	36.5 Million Cubic Feet			
	(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	D E R E G U L A T E D		
9.0 Person responsible for this application:	x Bobby Anderson Owner Name Title Signature 13 March 84 Date Application is Completed 614-678-2789 Phone Number			

Agency Use Only  
Date Received JUN 26 1985

FERC-121 (8-82)

04/26/2024



DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: 13 March, 19 84

Applicant's Name: Anderson Drilling **2075**

Address: Box 55  
Fleming OH 45729

Gas Purchaser Contract No. \_\_\_\_\_

Date of Contract \_\_\_\_\_  
(Month, day and year)

First Purchaser: Petro Mark **P642**

Address: P.O. Box 37  
(Street or P.O. Box)  
Reno OH 45773  
(City) (State) (Zip Code)

FERC Seller Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Bob Anderson (Print) \_\_\_\_\_

Signature: Bobby B. Anderson \_\_\_\_\_

Address: Box 55  
(Street or P.O. Box)  
Fleming Oh 45729  
(City) (State) (Zip Code)

Telephone: 614 678 2789  
(Area Code) (Phone Number)

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

850626 - ~~4~~ <sup>1030</sup> - 085 - 6641

Use Above File Number on all Communications Relating to This Well

Designated Agent: Frank Pethtel

Address: 701 2nd Street  
St. Marys, WV 26170

FERC Buyer Code \_\_\_\_\_

Owner \_\_\_\_\_  
(Title)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

- 103 New Onshore Production Well
- x 103 New Onshore Production Well

- 107 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Permeation Tight Formation

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JUN 26 1985

OIL & GAS DIV.  
DEPT. OF MINES

AGENCY USE ONLY

**QUALIFIED**

04/26/2024

Date Received \_\_\_\_\_

Determination Date \_\_\_\_\_



WV Department of Mines  
Oil and Gas Division  
Charleston, WV

1-15-84

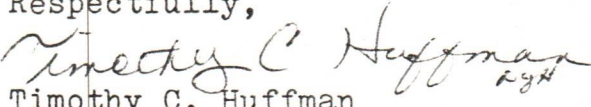
REF: Anderson Drilling  
Mattern #1

The Mattern #1 commenced drilling November 17, 1983 and was TD November 26, 1983 to a depth of 4396 feet.

On December 6, 1983, the Mattern #1 was perforated and frac'd in three stages. The first stage consisted of twenty six (26) perfs from 4396-3971'. The second stage consisted of twenty four (24) perfs from 3954-3676'; and the third stage consisted of twenty six (26) perfs from 3608-3399'.

The frac was in three stages using in each stage 800,000 scf of Nitrogen and 250 gallons of treated acid and 250 gallons of Torulene.

Respectfully,

  
Timothy C. Huffman  
Geologist

TCH/djh

04/26/2024



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

Date 13 March 1984

Operator's Well No. Mattern #1

API Well No. 47 - 085 - 6641  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Frank Pethtel  
ADDRESS 701 Second Street  
St. Marys, WV 26170

WELL OPERATOR Anderson Drilling  
ADDRESS Box 55  
Fleming, OH 45779

LOCATION: Elevation 669  
Watershed Big Run  
Dist. Grant County Ritchie Quad. Cairo

GAS PURCHASER Petro Mark  
ADDRESS P.O. Box 37  
Reno, OH 45773

Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: 17 November 83

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

HP = P<sub>1</sub> + P<sub>1</sub>(e<sup>x</sup> - 1)  
= 3899  
= .68  
= 104°F

$$x = \frac{L(6)}{53.34x(T+460)} - 1$$

$$BHP = 925 + 925 \left( e^{-\frac{2651.32}{30,083.76}} - 1 \right)$$

BHP = 1010 PSI

AFFIDAVIT

I, Bobby Anderson having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Bobby Anderson

STATE OF WEST VIRGINIA,  
COUNTY OF Wood, TO WIT:

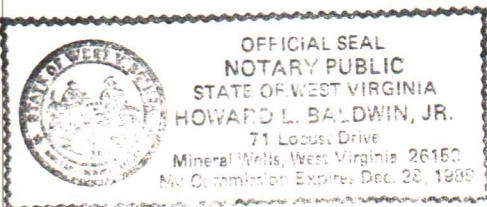
I, Howard L. Baldwin, Jr Notary Public in and for the state and county aforesaid, do certify that Bobby Anderson, whose name is signed to the writing above, bearing date the 13th day of March, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 7th day of May, 1985.

My term of office expires on the 28th day of December, 1989.

[NOTARIAL SEAL]

Howard L. Baldwin, Jr  
Notary Public



04/26/2024



