



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

Oil and Gas Division

APR 2 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED

JUN - 3 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 2, 1982

Surface Owner Eloise Miracle
Address Pullman, W.Va.

Company Carnegie Natural Gas Company
Address 3904 Main St. Munhall, Pa.15120

Mineral Owner Elouise D. Stanley
Address Pullman, W.Va.

Farm J. B. Ballah Acres 8 1/2

Coal Owner _____
Address _____

Location (waters) Star Fork

Coal Operator _____
Address _____

Well No. 2-1863 Elevation 1105'

District Union County Ritchie

Quadrangle Pullman

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 2-8-83
BY [Signature]

INSPECTOR TO BE NOTIFIED Doe Maze
ADDRESS _____
PHONE 655-7398

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 11, 19 18 by J. B. Ballah made to Carnegie Natural Gas Company and recorded on the 27th day of September 19 18, in Union County, Book 41 Page 121

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) W. S. Yaho
Well Operator

Address of Well Operator 3904 Main Street,
Munhall, Pa.15120

State 04/19/2024

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-085-5674

PERMIT NUMBER

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Hugh K. Spencer NAME W. L. Yoho - Div. Supt.
 ADDRESS West Union, W.Va. 26456 ADDRESS Toll Gate, W.Va. 26442
 TELEPHONE 873-1602 TELEPHONE 659-2921
 ESTIMATED DEPTH OF COMPLETED WELL: 5175' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11-3/4"</u>	<u>285'</u>	<u>285'</u>	<u>CTS</u>
9 - 5/8			
8 - 5/8	<u>1900'</u>	<u>1900'</u>	<u>Cemented to surface</u>
7			
5 1/2			
4 1/2	<u>5175'</u>	<u>5175'</u>	<u>2500' of fillup</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 255' FEET SALT WATER 305' FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.


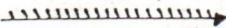










We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

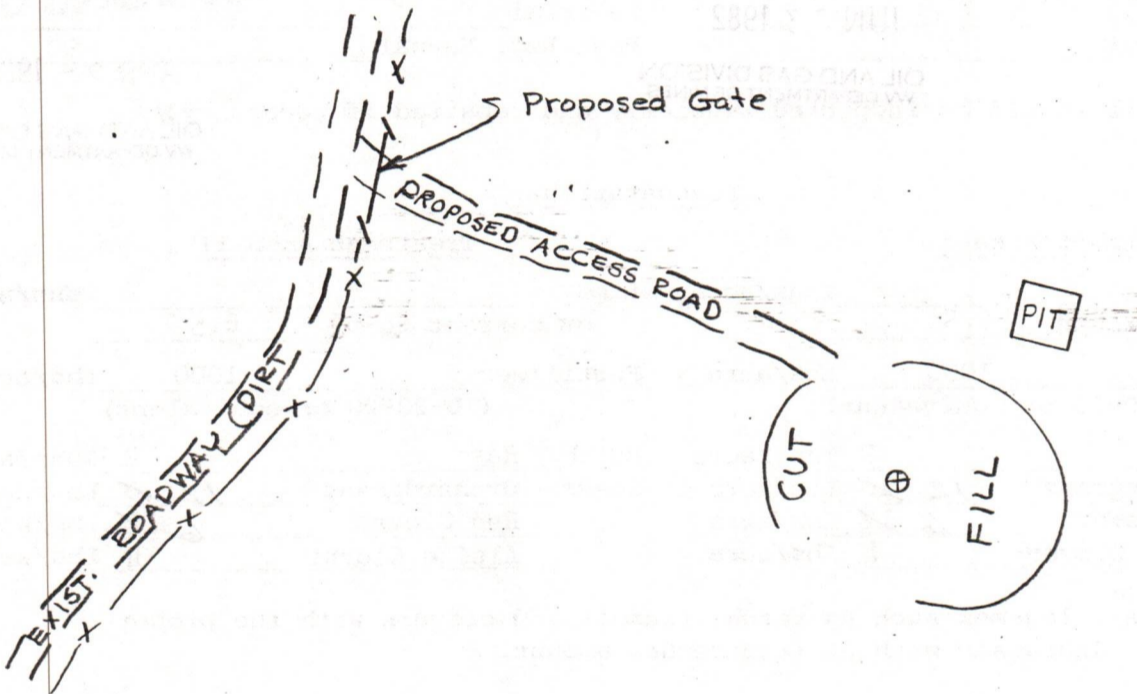
Official Title

04/19/2024

WELL SITE PLAN

- Legent:
- | | | | |
|------------------|-----------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| Property Boundry |  | Diversion |  |
| Road |  | Spring |  |
| Existing Fence |  | Wet Spot |  |
| Planned Fence |  | Building |  |
| Stream |  | Drain Pipe |  |
| Open Ditch |  | Waterway |  |

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



COMMENTS: Access road to be built along ridge line. No facilities needed. Road will be maintained after well is completed.

Signature M. L. Yako Address Toll Gate, WV 26142
 Phone Number 304-659-2921

Please request landowners cooperation to protect new seeding for one growing season.

04/19/2024

STATE OF WEST VIRGINIA
OFFICE OF OIL & GAS

Company Name Carnegie Natural Gas Designated Agent W. L. Yoho, Div. Supt.
 Address 3904 Main St., Munhall, PA 15120 Address Toll Gate, WV 26142
 Telephone 412-462-7121 Telephone 304-659-2921
 Landowner Eloise Miracle Soil Cons. District Little Kanawha
 Revegetation to be carried out by Same W. L. Yoho (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections
 and additions become a part of this plan 3-17-82 Jarrett Newton
 (State) (SCD Agent)

Access Road	Location
Structure <u>NONE</u> (A)	Structure <u>NONE</u> (1)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____
Structure _____ (B)	Structure _____ (2)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____
Structure <u>see</u> (C)	Structure <u>see</u> (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

APR 2 - 1982

All structures should be inspected regularly and repaired if necessary.



OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Revegetation

Treatment Area I			Treatment Area II		
Lime _____	Tons/acre _____	or correct to pH <u>6.5</u>	Lime _____	Tons/acre _____	or correct to pH <u>6.5</u>
Fertilizer <u>1000</u>	Lbs/acre _____	(10-20-20 or equivalent)	Fertilizer <u>1000</u>	Lbs/acre _____	(10-20-20 or equivalent)
Mulch <u>Hay</u>	<u>2</u> Tons/acre		Mulch <u>Hay</u>	<u>2</u> Tons/acre	
Seed* <u>Orchardgrass</u>	<u>12 10</u> Lbs/acre		Seed* <u>Orchardgrass</u>	<u>12 10</u> Lbs/acre	
<u>Red Clover</u>	<u>6 12</u> Lbs/acre		<u>Red Clover</u>	<u>6 12</u> Lbs/acre	
<u>Alsike Clover</u>	<u>4</u> Lbs/acre		<u>Alsike Clover</u>	<u>4</u> Lbs/acre	

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

Attach or photocopy section of involved Topographic map. Quadrangle Pullman

Legend:  Well Site
 Access Road



04/19/2024

a-10

ROBERT E. SCHMIDT, P.E.
FAIRMONT
President

ROBERT B. SCOTT, P.E.
ELKINS

DR. A.E. McCASKEY, P.E.
HUNTINGTON

DR. KENNETH H. MEANS, P.E.
MORGANTOWN

STAFFORD E. THORNTON, P.E.
MONTGOMERY
Secretary



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

RECEIVED

608 Union Building
Charleston, W.Va. 25301
TELEPHONE 318-3554

Temporary Permit No. 82-7

JUN 3 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

To: Duane R. Dishong
Carnegie Natural Gas Co.
3904 Main St.
Munhall, PA 15120

P.E. No. 027468E

light Copy

The West Virginia State Board of Registration for Professional Engineers, having verified your current registration in Pennsylvania does hereby authorize you to practice engineering in West Virginia for the duration your application is pending with this Board. Temporary permits are issued in accordance with Chapter 30, Article 13, Section 8 (b).

You may use your Pennsylvania seal and beneath your signature print:

"Authorized for use in
West Virginia by Temporary
Permit No. 82-7."

This authorization issued May 25, 1982

By:

Stafford E. Thornton
Secretary

04/19/2024

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

First Stage: Devonian Shale, Bradford, Perf. 4490-5136, 4420-4493, bbls. water 558
 Second Stage: Warren, Fourth, Perf. 3381-3432, 2837-2841, Bbl.s water 543 SXS sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Red Clay			0	5	
Shale			5	77	
Sand			77	168	
Red Rock & Shale			168	450	
Sand & Shale			450	485	
Red Rock & Shale			485	580	
Sand			580	620	
Red Rock & Shale			620	717	
Coal			717	723	
Shale			723	745	
Sand & Shale			745	830	
Red Rock & Shale			830	930	
Shale			930	1005	
Sand			1005	1085	
Shale			1085	1115	
Sand			1115	1170	
Shale			1170	1259	
Sand			1259	1326	
Sand & Shale			1326	1488	
Sand			1488	1860	
Shale			1860	1913	
L. Lime			1913	1932	
Shale			1932	1937	
B. Lime			1937	2020	
Sand			2020	2080	
Shale			2080	2200	
Sand			2200	2405	
Shale			2405	3710	
Sand			3710	3805	
Shale			3805	5100	
Sand			5100	5130	
Sand & Shale			5130	5244	
T.D.				5244	

(Attach separate sheets as necessary)

Carnegie Natural Gas Company

Well Operator

By: [Signature] District Foreman

Date: December 6, 1982

04/19/2024

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

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IV-35
(Rev 8-81)

DEC 30 1982

Date December 6, 1982
Operator's
Well No. 1863
Farm 2
API No. 47 - 085 - 5674

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
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 ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep ___ / Shallow x /)

LOCATION: Elevation: 1105' Watershed Star Fork
District: Union County Ritchie Quadrangle Pullman

COMPANY Carnegie Natural Gas Company
ADDRESS 3904 Main St. Munhall, Pa. 15120
DESIGNATED AGENT W. L. Yoho
ADDRESS Toll Gate, W.Va. 26142
SURFACE OWNER Mrs. E. Miracle
ADDRESS Pullman, W.Va.
MINERAL RIGHTS OWNER Same
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK Sam
Hershman ADDRESS Smithville, W.Va.
PERMIT ISSUED 7/8/1982
DRILLING COMMENCED 7/29/1982
DRILLING COMPLETED 8/1/1982
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			
8 5/8	1937	1937	1937
7			
5 1/2			
4 1/2		5208	2370
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5175 feet
Depth of completed well 5244 feet Rotary x / Cable Tools _____
Water strata depth: Fresh _____ feet; Salt _____ feet
Coal seam depths: 717-723 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Warren, Fourth Alexander, 3rd Bradford Pay zone depth See Frac. feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 298 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
Second producing formation Same Pay zone depth 04/19/2024 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)

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

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AUG - 3 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Permit No. 85-5674

Oil or Gas Well _____
(KIND)

Company <u>Carnegie Nat. Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>J. B. Ballah</u>	16			Kind of Packer _____
Well No. <u>2-1863</u>	13			Size of _____
District <u>Union</u> County <u>Rit</u>	10			Depth set _____
Drilling commenced <u>7-27-82</u>	8 1/4			Perf. top _____
Drilling completed _____ Total depth _____	6 3/8			Perf. bottom _____
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			
Volume _____ Cu. Ft.	Liners Used _____			
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water <u>Hole Damp = 465</u> feet	COAL WAS ENCOUNTERED AT <u>717' to 723'</u> FEET _____ INCHES			
Salt water <u>Hole Damp = 580</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
<u>Hole Damp = 1382</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Mike McVickers - Ernie Logon - Willard Westfall - Mike Wore = Hank Snow
Contractor S. W. Jack = Rig 12

Remarks: Ran 1937.20' of 8 5/8 casing = ran 345 sacks of cement = total of 87 Berrall mix = Plug down at app. 10:25 PM. Hole did not circulate cement. Dowell Engineer said there was enough mixture to circulate to top of Hole. But did not = 470 sacks of cement was brought to job but because of Break down in Dowell equipment all of cement was not run = Water stored in hole good = Basket down hole 2 joints self water resends cement will be added = cement should be close to top of Hole.

7-29-82
DATE

Samuel N. Newman 04/19/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

MAY 19 1983

INSPECTOR'S WELL REPORT

Permit No. 85-5674

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

Company <u>Carnegie Nat. Gas Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>J. B. Ballah</u>	16			Kind of Packer _____
Well No. <u>2-1863</u>	13			Size of _____
District <u>Union</u> County <u>Pitcher</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			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 _____

Status Report

Remarks: *Location Partly reclaimed - API # on Well head
no seed or mulch
Can not release*

5-16-83
DATE

Samuel N. Heroman 04/19/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

RECEIVED
 SEP 23 1983

OIL & GAS DIVISION
 DEPT. OF MINES

Permit No. 085-5674
 Company CAREGIR NAT GAS CO.
 Inspector MIKE UNDERWOOD
 Date 9-15-83

County Ritchie
 Farm S. B. Baulak
 Well No. 2-1863

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 Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	<u>X</u>	_____

COMMENTS: Final inspection. ok. Release

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Mike Underwood
 DATE: 9-15-83

04/19/2024



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

October 7, 1983

Carnegie Natural Gas Company
800 Regis Avenue
Pittsburgh, Pa. 15236

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-4873	Mitilda Donaho, et al, #3-1838	Union
RIT-5172	Hiram Smith, #3-1846	Union
RIT-5674	J. B. Ballah, #2-1863	Union
RIT-5676	D. P. Mullenix, #2-1865	Union
RIT-5777	R. L. Drane, #1-1875	Union
WET-1235	John Mills, #3-1853	Green

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

Very truly yours,

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

TMS/

04/19/2024

