



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

APR 2 - 1982

Oil and Gas Division

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION  
RECEIVED

JUN - 3 1982

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

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

DATE March 2, 1982

Surface Owner Cline Riggs  
Address Pennsboro, Rt. W.Va. 26415  
Mineral Owner Ellen Lorena Hall  
Address \_\_\_\_\_  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Carnegie Natural Gas Company  
Address 3904 Main St. Munhall, Pa. 15120  
Farm W. M. Drummond Acres 55  
Location (waters) Beason Run  
Well No. 4-1860 Elevation 1135'  
District Clay 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

INSPECTOR Dec Maze  
TO BE NOTIFIED 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 January 31, 1917 by W. M. Drummond made to Carnegie Natural Gas Company and recorded on the 27th. day of September 1918 in Ritchie County, Book 41 Page 172

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. Yoho  
Well Operator

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

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

47-085-5671

PERMIT NUMBER

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) Hugh K. Spencer RESPONSIBLE AGENT: W. L. Yoho - Div. Supt.  
 NAME West Union, W.Va. 26456 NAME Toll Gate, W.Va. 26442  
 ADDRESS 304-873-1602 ADDRESS 659-2921  
 TELEPHONE \_\_\_\_\_ TELEPHONE X  
 ESTIMATED DEPTH OF COMPLETED WELL: 5375' 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>200'</u>	<u>200'</u>	<u>CTS</u>
9 - 5/8			
8 - 5/8	<u>2025'</u>	<u>2025'</u>	<u>Cemented to surface</u>
7			
5 1/2	<u>5375'</u>	<u>5375'</u>	<u>2500' of fillup</u>
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER \_\_\_\_\_ 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 Virginia Code.

For Coal Company

Official Title

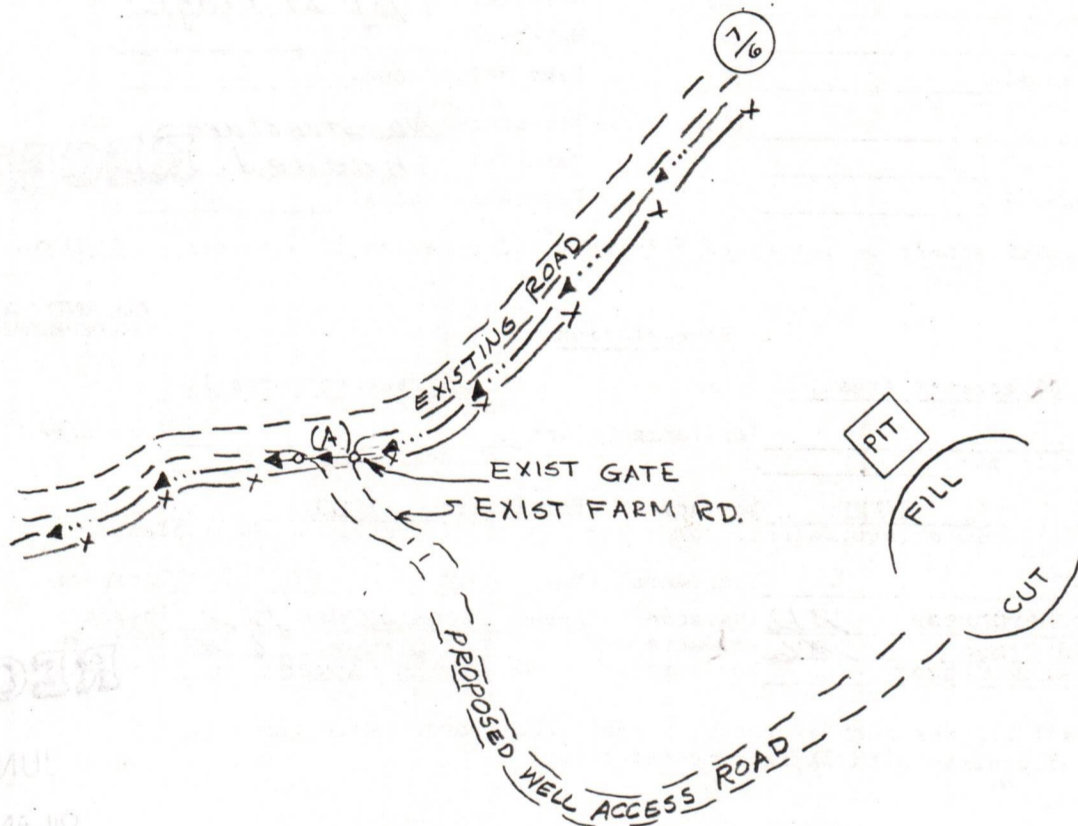
04/19/2024

Well Site Plan

- Legend:
- Property Boundry
  - Road
  - Existing Fence
  - Planned Fence
  - Stream
  - Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- 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 will be along top of ridge line. Well access road and Culvert will be maintained after well is completed.

Signature: *M. L. Yaho*

Toll Gate, WV 26442  
ADDRESS

304-659-2921  
Phone Number **04/19/2024**

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

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name Carnegie Natural Gas Designated Agent W.L. Yoho, Div. Supt.  
Address 3904 Main Street, Munhall, PA Address Toll Gate, WV 26442  
Telephone 412-462-7121 15120 Telephone 304-659-2921  
Landowner Cline Riggs 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 (Date) (Supt. Agent)

Access Road		Location	
Structure	<u>Culvert</u> (A)	Structure	<u>None</u> (1)
Spacing	<u>One - 16" Steel Pipe</u>	Material	<u></u>
Page Ref. Manual	<u>I-9</u>	Page Ref. Manual	<u></u>
Structure	<u></u> (B)	Structure	<u>Top of ridge</u> (2)
Spacing	<u></u>	Material	<u></u>
Page Ref. Manual	<u></u>	Page Ref. Manual	<u></u>
Structure	<u></u> (C)	Structure	<u>No structures</u> (3)
Spacing	<u></u>	Material	<u>needed.</u>
Page Ref. Manual	<u></u>	Page Ref. Manual	<u></u>

All structures should be inspected regularly and repaired if necessary. APR 2 - 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Revegetation

Treatment Area I		Treatment Area II	
Lime	<u></u> Tons/acre	Lime	<u></u> Tons/Acre
or correct to pH	<u>6.5</u>	or correct to pH	<u></u>
Fertilizer	<u>1000</u> lbs/acre	Fertilizer	<u>1000</u> lbs/acre
(10-20-20 or equivalent)		(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>1012</u> lbs/acre	Seed*	<u>Orchardgrass</u> <u>1218</u> lbs/acre
	<u>Red Clover</u> <u>176</u> lbs/acre		<u>Red Clover</u> <u>618</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.

RECEIVED

JUN - 3 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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. KEANS, 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 348-3554

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.

- 1st. Stage: Alexander, Benson, Perf. 5182-5202 - 4915-4916, 274 bbls. Foam, 600 SXS sand.  
 2nd Stage: Riley, Bradford, Balltown, Perf. 4551-4592, 4392-4484, 3865-3953; 227 bbls. foam and water, 400 SXS sand.  
 3rd. Stage: Warren Fourth, Perf. 3403 3469 - 2898 - 2900, 243 bbls. foam and water.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	
White Sandy Shale			10	33	
Green Shale			33	35	
White Sand			35	50	
Red Rock			50	55	
Brown Shale			55	58	
Red Rock			58	60	
Gray Shale			60	73	
White Sand			73	82	
Red Rock			82	86	
Sand			86	93	
Red Rock			93	102	
Sandy Shale			102	105	
Sand			105	137	
Shale			137	164	
Sand			164	226	
R. Rock			226	234	
Shale			234	404	
Sand			404	460	
Red Rock & Shale			460	490	
Sand			490	530	
Red Rock & Shale			530	770	
Coal			770	775	
Shale			775	807	
Sand			807	830	
Red Rock & Shale			830	1020	
Shale			1020	1060	
Red Rock & Shale			1060	1245	
Sandy Shale			1245	1315	
Sand			1315	1390	
Shale			1390	1455	
Sand			1455	1555	
Sandy Shale			1555	1590	
White Sand			1590	1758	
Shale - Brown			1758	1970	
L. Lime			1970	1991	
B. Lime			2008	2090	
Big Injun			2090	2150	
Shale			2150	2405	
Sand			2405	3535	

(Attach separate sheets as necessary)

Carnegie Natural Gas Company  
Well Operator

By: [Signature] Dist. Foreman  
Date: November 24, 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."



IV-35  
(Rev 8-81)

Date November 24, 1982  
Operator's  
Well No. 1860  
Farm 4  
API No. 47 - 085 - 5671

**RECEIVED** State of West Virginia

DEC 30 1982  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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: 1135' Watershed Beason Run  
District: Clay 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. 26442  
SURFACE OWNER Cline Riggs  
ADDRESS Pennsboro, W.Va. 26415  
MINERAL RIGHTS OWNER Ellen L. Hall  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Sam Hershman  
ADDRESS Smithville, W.Va.  
PERMIT ISSUED 7/8/1982  
DRILLING COMMENCED 7/22/1982  
DRILLING COMPLETED 7/26/1982  
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	2001	2001	2001
7			
5 1/2			
4 1/2		5319	3057
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5375 feet  
Depth of completed well 5344 feet Rotary x / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh None feet; Salt None feet  
Coal seam depths: 770-775 Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation See Frac. Pay zone depth See Frac feet  
Gas: Initial open flow Show Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow 531 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 04/18/2024 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow N/A 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.

- 1st. Stage: Alexander, Benson, Perf. 5182-5202 - 4915-4916, 274 bbls. Foam, 600 SXS sand.
- 2nd Stage: Riley, Bradford, Balltown, Perf. 4551-4592, 4392-4484, 3865-3953; 227 bbls. foam and water, 400 SXS sand.
- 3rd. Stage: Warren Fourth, Perf. 3403 3469 - 2898 - 2900, 243 bbls. foam and water.

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			3535	3730	
Sand			3730	3810	
Shale			3810	4145	
Sand			4145	4370	
Shale			4370	4950	
Sand			4950	4985	
Shale			4985	5140	
Sand			5140	5265	
Shale			5265	5344	

T.D.

5344

Carnegie Natural Gas Company  
Well Operator

By: *[Signature]*

Dist. Foreman

Date: November 24, 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."



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

RECEIVED

JUL 27 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5671

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

Company Cornegis Nat Gas Co  
 Address \_\_\_\_\_  
 Farm W.M. Drummoud  
 Well No. 4-1860  
 District Clay County Rit  
 Drilling commenced 7-22-82  
 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 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 S. W. Jack Drilling Co. Rig # 12  
 Drillers' Names Mike McViking - Bernie Coger - Willard Westfall  
Relief Driller = Mike Ware Tool Pusher - Hank Snow  
 Remarks: Had run conductor 17' = No water yet.

7-22-82  
DATE

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



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

RECEIVED

JUL 27 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5671

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

Company Cornegie Nat Gas Corp  
Address \_\_\_\_\_  
Farm W.M. Drummond  
Well No. 4-1860  
District clay County Rit  
Drilling commenced 7-22-82  
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  
Contractor = S.W. Jack Drilling Co - Rig 12  
Drillers' Names \_\_\_\_\_

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

Remarks:

Pit in good shape - Depth 1480'  
Had picked up no water yet.

7-23-82  
DATE

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



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

RECEIVED

JUL 27 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 47-85-5671

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

Company Cornegie Natural Gas Co.

Address \_\_\_\_\_

Farm W. M. Drummond

Well No. 4-1860

District Clay County Ritchie

Drilling commenced 7-22-82

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 NONE feet \_\_\_\_\_ feet

Salt water NONE 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 _____

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 = S. W. Jack Drilling Co  
Drillers' Names \_\_\_\_\_

Remarks: Drilled to 2046 then ran 2001' of 8 5/8 casing  
Cemented Back to surface with 500 sacks of cement  
Plug landed at 12:15 PM.  
Cementer = Halliburton

7-24-82  
DATE

Samuel M. Newman  
DISTRICT WELL INSPECTOR

04/19/2024



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

RECEIVED

AUG - 2 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

Permit No. 85-5671

Oil or Gas Well  
(KIND)

Company Carnegie Nat Gas Co  
 Address \_\_\_\_\_  
 Farm W.M. Drummond  
 Well No. 4-1860  
 District Clay County Ritchie  
 Drilling commenced 7-22-82  
 Drilling completed 7-27-82 Total depth 5319  
 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 Mike McVickers - Cornie Roger - Willard Westfall - Mike Ware Relief Driller  
 Contractor S.W. Jack Rig # 12 Tool Pusher Hank Snow

Remarks: Ran 5319' of 4 1/2" casing used 450 sacks of cement  
Cemented by Holliburton

7-27-82  
DATE

Samuel M. Hersman 04/19/2024  
DISTRICT WELL INSPECTOR





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

RECEIVED  
SEP 13 1983

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5671

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

Company <u>Carnegie Natural Gas Co.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>W.M. Drummond</u>	16			Kind of Packer _____
Well No. <u>1860</u>	13			
District <u>Clay</u> County <u>Ritchie</u>	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: Final Inspection

OK to Release

9-8-83  
DATE

Samuel M. [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 16, 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-5671	W. M. Drummond, #4-1860	Clay
RIT-5677	J. F. Riggs, #5-1866	Union

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

Very truly yours,

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

04/19/2024