



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

APR 2 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Oil and Gas Division

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 E. H. Clark Jr.

Company Carnegie Natural Gas Company

Address Pullman, W.Va.

Address 3904 Main St. Munhall, Pa. 15120

Mineral Owner Boyd Prunty A/F

Farm W. F. Cox Acres 87

Address _____

Location (waters) Right Fork Slab Creek

Coal Owner _____

Well No. 3-1862 Elevation 796'

Address _____

District Union County Ritchie

Coal Operator _____

Quadrangle Pullman

Address _____

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 BE NOTIFIED Doe Maze

IF OPERATIONS HAVE NOT COMMENCED BY 2-8-83 ADDRESS _____

BY [Signature] 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 May 15, 1907 by W. F. Cox & Eliga Cox made to G. M. Taylor and recorded on the 27th. day of August 19 12 in Ritchie County, Book 31 Page 441

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.

Very truly yours, Carnegie Natural Gas Company

(Sign Name) W. L. Yaho
Well Operator

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

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

47-085-5673

PERMIT NUMBER

STATE OF WEST VIRGINIA
 OFFICE OF OIL & GAS

Company Name Carnegie Natural Gas
 Address 3904 Main St., Munhall, PA 15120
 Telephone 412-462-7121
 Landowner E. H. Clark, Jr.

Designated Agent W. L. Yoho, Div. Supt.
 Address Toll Gate, WV 26142
 Telephone 304-659-2921

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 3-17-84 Jarrett Newton
 (State) (SCD Agent)

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

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All structures should be inspected regularly and repaired if necessary.

APR 2 - 1982

Revegetation

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

Treatment Area I	Treatment Area II
Lime _____ Tons/acre	Lime _____ Tons/acre
or correct to pH <u>6.5</u>	or correct to pH <u>6.5</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>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.

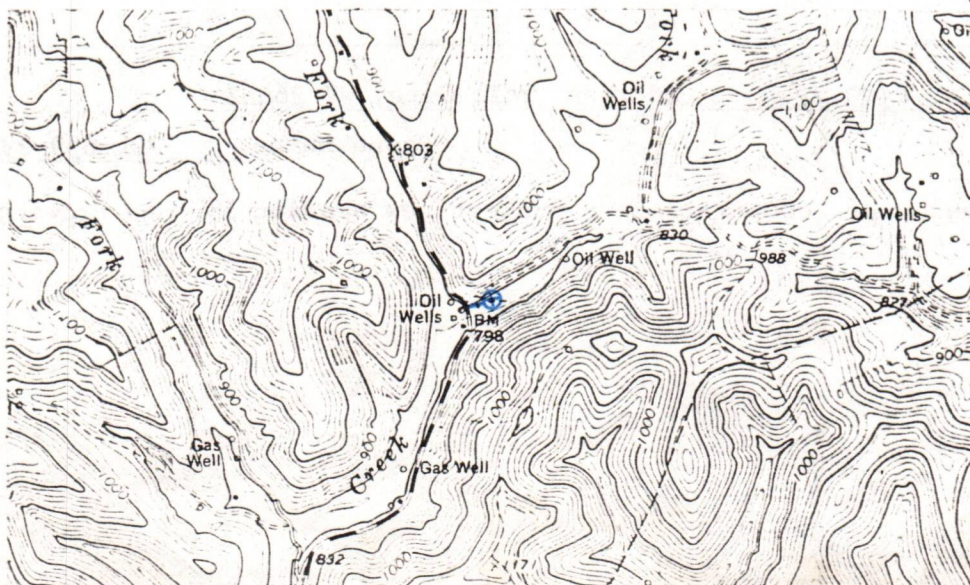
Attach or photocopy section of involved Topographic map. Quadrangle Pullman

Legend: \oplus Well Site
 _____ Access Road

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JUN - 3 1982

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

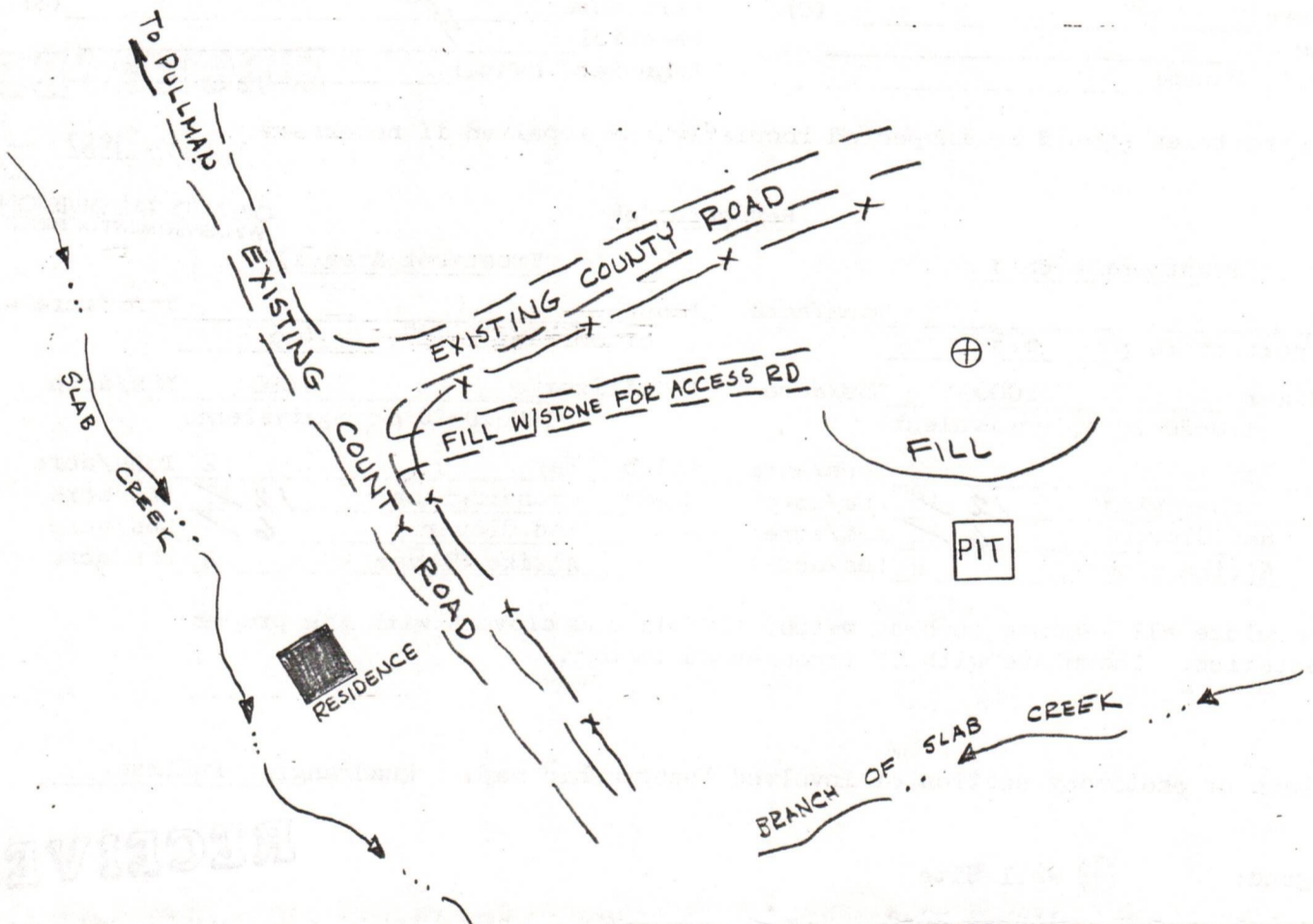


04/19/2024

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: Acces road and portion of well site will be stabilized with stone fill. Well road will be maintained after well is completed.

Signature M. S. yaho 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

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



Temporary Permit No. 82-7

RECEIVED

JUN 3 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

808 Union Building
Charleston, W.Va. 25301
TELEPHONE 348-3554

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

P.E. No. 027468E

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: Alexander, Benson, Perf. 4820-4826, 4382-4388, 587 bbls. water, 600 SXS sand.
 Second Stage: Riley, Bradford, Balltown, Perf. 4201-4203, 4009-4010, 3511-3532, 3404-3406. 470 bbls. water, 400 SXS sand.
 Third Stage: Warren, Perf. 3054-3113, 159 bbls. water and 55 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
Clay			0	10	
Shale			10	55	
R. Rock			55	60	
White Sand			60	75	
Red Rock			75	80	
White Sand			80	120	
Shale			120	135	
Coal			135	139	
Shale			139	155	
Gray Sand			155	200	
Red Rock & Shale			200	220	
Shale			220	260	
Sand			260	374	
Red Rock & Shale			374	610	
Sand			610	655	
Red Rock & Shale			655	760°	
Shale			760	1030	
Sand			1030	1145	
Shale			1145	1520	
White Sand & Shale			1520	1625	
Black Shale			1625	1655	
White Sand			1655	1775	
Shale			1775	2025	
Lime			2025	2030	
Shale			2030	2335	
Sand			2335	2390	
Sandy Shale			2485	3000	
Sand			3000	3185	
Shale			3185	3310	
Sand			3310	3475	
Shale			3475	5018	
T.D.				5018	

(Attach separate sheets as necessary)

Carnegie Natural Gas Company
Well Operator

By: Obunell 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."

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DEC 30 1982

State of West Virginia

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Department of Mines
Oil and Gas Division

Date November 24, 1982
Operator's
Well No. 2-1862
Farm 2
API No. 47 - 085 - 5673

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: 796' Watershed Right Fork Slab Creek
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. 26442

SURFACE OWNER E. H. Clark

ADDRESS Pullman, W.Va.

MINERAL RIGHTS OWNER Boyd Prunty

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Sam

Hershman ADDRESS Smithville, W.Va.

PERMIT ISSUED 7/8/1982

DRILLING COMMENCED 7/15/1982

DRILLING COMPLETED 7/21/1982

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			
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5000 feet

Depth of completed well 5018 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 15 feet; Salt _____ feet

Coal seam depths: 135-139 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 _____ Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 112 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)

Second producing formation Same Pay zone depth Same 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)

04/19/2024

RTT-5673

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

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MAY 19 1983

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-5673

Oil or Gas Well _____
(KIND)

Company Carnegie Nat. Gas Co.
 Address _____
 Farm E. H. Clark Jr.
 Well No. 3-1862
 District Union 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 _____

Status Report

Remarks: Location seeded - mulched - finished except for rough ground where pit was. API # on well head
Location in meadow - could release, except for this. can not release now.

5-16-83
DATE

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

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

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

DATE

DISTRICT WELL INSPECTOR
04/19/2024

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

RECEIVED

JUL 20 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5673

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>E.H. Clark Jr.</u>	16			Kind of Packer _____
Well No. <u>3-1862</u>	13			
District <u>Union</u> County <u>Rit</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.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 11 3/4 SIZE 207.45 No. FT. 7-16-82 Date

NAME OF SERVICE COMPANY Halliburton

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names S. W. Jack Drilling Co Rig # 12

Remarks: _____

7-16-82
DATE

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

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

DATE

DISTRICT WELL INSPECTOR
04/19/2024

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

RECEIVED

JUL 26 1983

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

Permit No. 85-5673

Oil or Gas Well _____
(KIND)

Company Carnegie Natural Gas Co.

Address _____

Farm E. H. Clark Jr.

Well No. 3-1862

District Union County Pitcher

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

Drillers' Names _____

Remarks:

Final inspection - OK to Release
Location - Pit reclaimed - Brass OK.

7-22-83

DATE

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

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

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

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

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

August 8, 1983

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

In Re: PERMIT NO: 47-085-5673
FARM: W. F. Cox
WELL NO: 3-1862
DISTRICT: Union
COUNTY Ritchie

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

 The well designated by the above permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

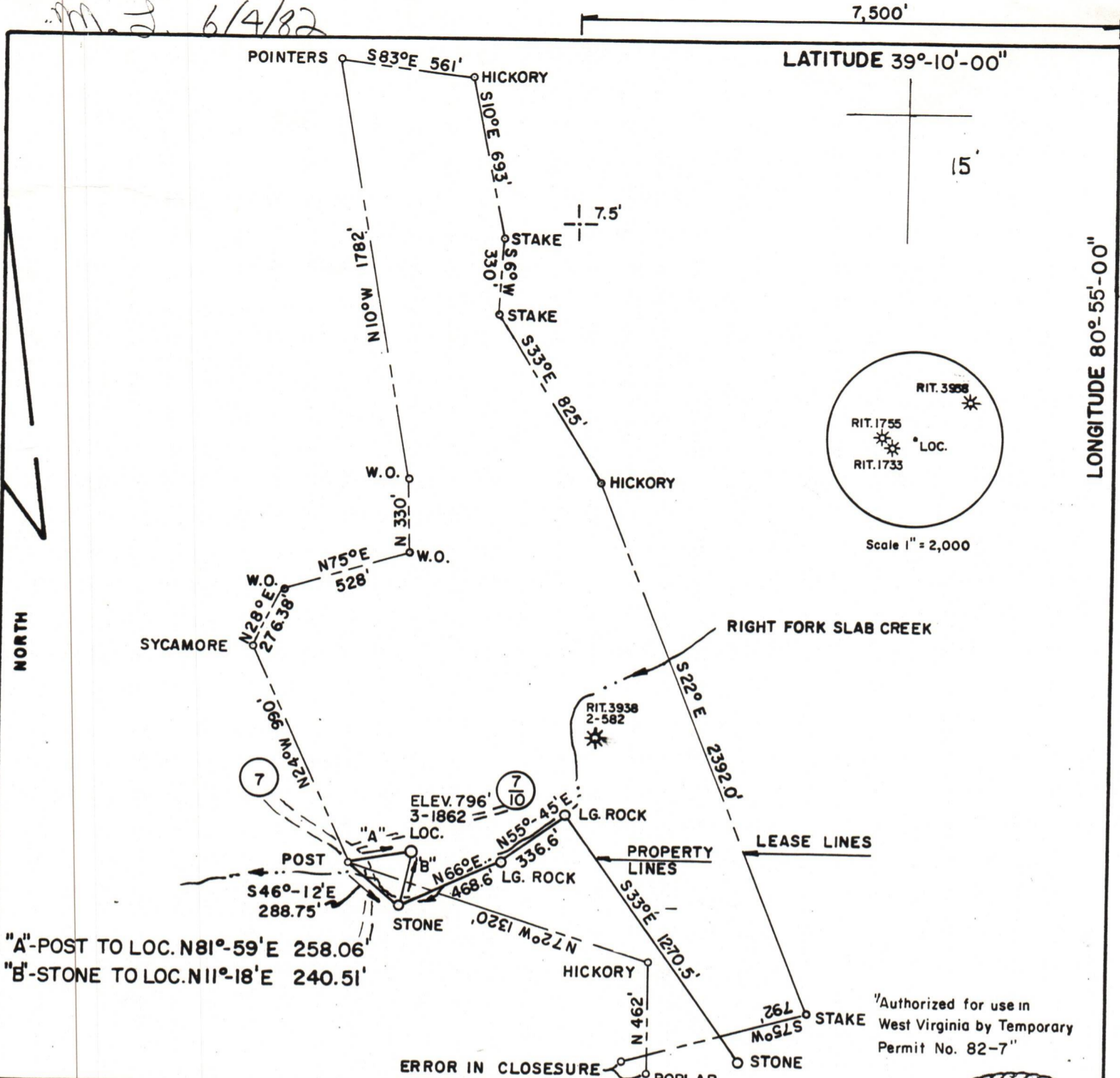
XXXXXX Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well will remain under bond coverage for life of the well.

Very truly yours,

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

TMS /

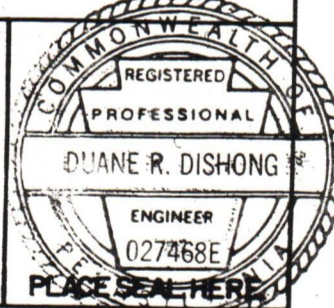
04/19/2024



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION B.M. AT INTERSECTION CO. RD. 7 & 7/9 ELEV. = 798'

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) Duane R. Dishong
 R.P.E. 027468 E L.L.S. _____



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE FEB 12, 1982
 OPERATOR'S WELL NO. 3-1862
 API WELL NO. _____
 STATE 47 COUNTY 085 PERMIT 5673

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 796' WATER SHED RIGHT FORK SLAB CREEK
 DISTRICT UNION _____ COUNTY RITCHIE
 QUADRANGLE PULLMAN
 SURFACE OWNER E.H. CLARK JR. ACREAGE 87
 OIL & GAS ROYALTY OWNER BOYD PRUNTY A/F LEASE ACREAGE 91.5 LEASE NO. 6084 04/19/2024
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5,000'
 WELL OPERATOR CARNEGIE NATURAL GAS CO. DESIGNATED AGENT W.L. YOHO, SUPERINTENDENT
 ADDRESS 3904 MAIN STREET ADDRESS CARNEGIE NATURAL GAS CO. TOLL GATE, W. VA., 26442