

OIL AND GAS WELL PERMIT APPLICATION

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

LOCATION: Elevation: 1427 Watershed: Fishing Creek
District: Green County: Wetzel Quadrangle: Pine Grove 7.5

WELL OPERATOR Carnegie Natural Gas Company
Address 3904 Main Street
Munhall, Pa. 15120

DESIGNATED AGENT J.C. Stephenson, Div. Supt.
Address P.O. Drawer 387
Mannington, WV 26582

OIL & GAS ROYALTY OWNER Mills Wetzel Lands, Inc.
Address c/o Elston Bank & Trust Company
Crawfordville, Indiana 47933
Acreage 5,000

COAL OPERATOR None in Area
Address

SURFACE OWNER Lewis Wetzel Public Hunting Area
Address State of West Virginia
Charleston, WV
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Not Known
Address
Name
Address

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SEP-4 1980

FIELD SALE (IF MADE) TO:
Name
Address

OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip L. Tracy
Address P.O. Box 173
Middlebourne, WV 26149
Phone: 304-758-4573

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease 3476 / other contract ___ / dated April 12, 1985, to the undersigned well operator from John Mills

[If said deed, lease, or other contract has been recorded:]

Recorded on ____, 19__, in the office of the Clerk of the County Commission of Wetzel County, West Virginia, in Deed Book 47 at page 611. A permit is requested as follows:

PROPOSED WORK: Drill x / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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.

09/08/2023

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

BLANKET BOND

Carnegie Natural Gas Company
Well Operator

By James C. Stephenson
Its Div. Supt.

John Mills

Date August 27 1980

Well No. 2-1836

API No. 47 - 103 - 1194
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Carnegie Natural Gas Co. Designated Agent J.C. Stephenson
Address 3904 Main St., Munhall, Pa. 15120 Address P.O. Box 387, Mannington, WV 26582
Telephone 412-462-7121 Telephone 304-986-2060
Landowner State of WV Lewis Wetzel Public Hunting Area Cons. District Upper Ohio

Revegetation to be carried out by Carnegie Natural Gas Company (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan. 9/5/80 (date) Kenneth A. Plason (SCD Agent)

Access Road	Location
Structure <u>Same elevation as</u> (A)	Structure <u>Earthen Pit</u> (1)
Spacing <u>existing road</u>	Material _____
Page Ref. <u>Manual</u>	Page Ref. <u>Manual</u>
Structure <u>Ditch Relief Cross ditch</u>	Structure _____ (2)
Spacing <u>200'</u>	Material _____
Page Ref. <u>Manual 1:3</u>	Page Ref. <u>Manual</u>
Structure _____ (C)	Structure _____
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. SEP 10 1980

Revegetation

OIL & GAS DIVISION
DEPT. OF MINES

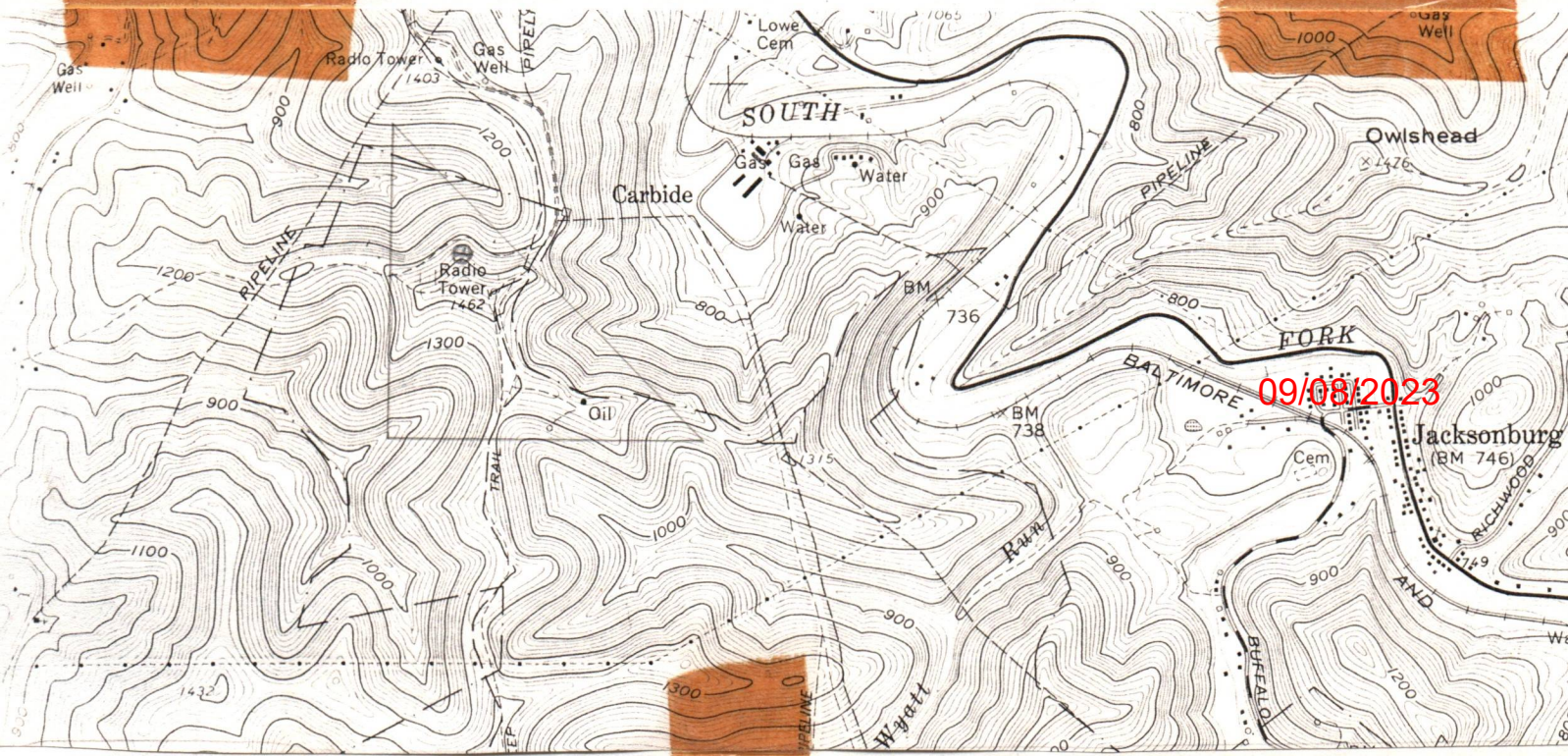
Treatment Area I	Treatment Area II
Lime <u>or correct to pH 6.15</u> Tons/acre	Lime _____ Tons/Acre
Fertilizer <u>500# (10-20-20 or equivalent)</u> lbs/acre	Fertilizer _____ lbs/acre
Mulch <u>100 Bales (2)</u> Tons/Acre	Mulch _____ Tons/Acre
Seed* <u>30# Kentucky 31</u> lbs/acre	Seed* _____ lbs/acre
_____ lbs/acre	_____ lbs/acre
_____ lbs/acre	_____ 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 Pine Grove 7.5.







Legend:







⊕ Well Site



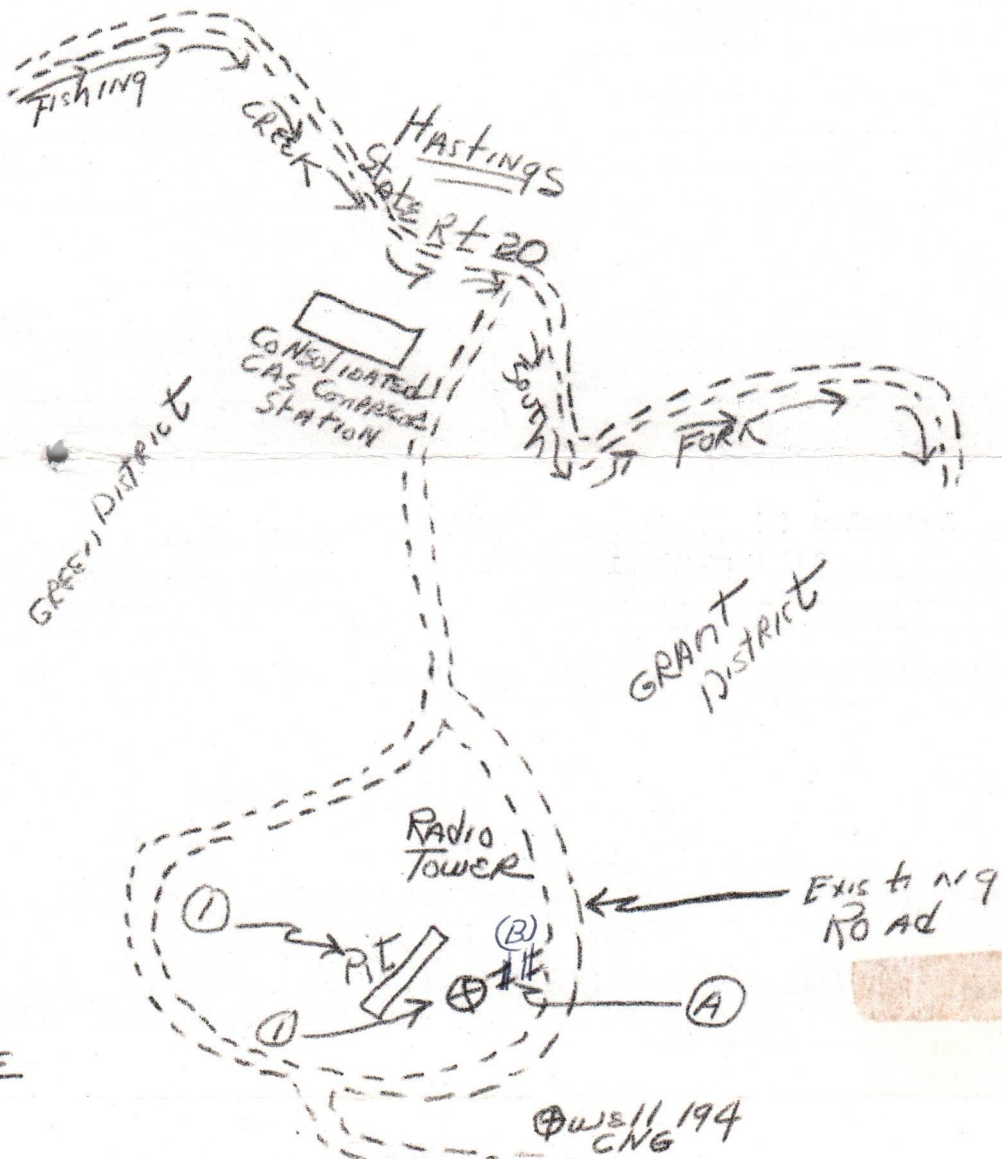
A-5

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.



Not to Scale

Comments: All brush to be piled for game refuge in accordance with Game Warden,
 and will remain as Wild Life Harbor.

Signature: James C. Stephenson
 Agent

P.O. Box 387
 Mannington, WV 26582
 Address

304-986-2060

Phone 09/08/2023

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

B-1

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

Date: Nov. 4, 19 80

FORM IV-35
(Obverse)

Operator's
Well No. 2-1836

[08-78]

WELL OPERATOR'S REPORT 18
OF

API Well No. 47 - 103 - 1194
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1427' Watershed: Fishing Creek
District: Green County: Wetzel Quadrangle: Pine Grove 7.5

WELL OPERATOR Carnegie Natural Gas Company DESIGNATED AGENT J. C. Stephenson, Div. Supt
Address 3904 Main St. Address Mannington, WV 26582
Munhall, Pa. 15120

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

PERMIT ISSUED ON Sept. 4, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Phillip L. Tracy
Address PO Box 173, Middlebourne, WV 26149

GEOLOGICAL TARGET FORMATION: Alexander Depth 5950 feet

Depth of completed well, 5997 feet Rotary / Cable Tools

Water strata depth: Fresh, _____ feet; salt, _____ feet.

Coal seam depths: 700-705 Is coal being mined in the area? No

Work was commenced Sept. 27, 19 80, and completed October 4, 19 80

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11-3/4	H40	42#	X		31	pulled		Kinds
Fresh water									
Coal									Sizes
Intermediate	8-5/8	K55	24#	X		2322	2322	630 sacks	
Production	4-1/2	J55	10.50	X		4292	4292	540 sacks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

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APR - 9 1981

OPEN FLOW DATA
Producing formation Weir Sand
Fifty Foot Sand
Speechley Sand Pay zone depth 3905-4198 feet

Gas: Initial open flow, 223 Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, 440 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 120 hours

Static rock pressure, 385 psig (surface measurement) after 18 hours

09/08/2023

[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 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

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
Plugged back to: 4292

Perforations: 2793 - 3018 17 holes
3208 - 3280 22 holes
3905 - 4198 24 holes

Fractured 10/23/80 1st Stage: 500 Gals. 15% HCL Acid
20,000# 80/100 Sand
40,000# 20/40 Sand
530 Bbls. Water

2nd Stage: 500 Gals. 15% HCL Acid
20,000# 80/100 Sand
40,000# 20/40 Sand
543 Bbls. Water

3rd Stage: 500 Gals. 15% HCL Acid
20,000# 80/100 Sand
40,000# 20/40 Sand

WELL LOG

FORMATION	Color	Hard or Soft	538 Bbls. water		Remarks Including indication of all fresh and salt water, coal, oil and gas
			Top Feet	Bottom Feet	
Clay			0	7	
Shale			7	25	
Sand			25	80	
Shale			80	340	
Red Rock			340	385	
Sandy Shale			385	425	
Red Rock			425	435	
Shale			435	590	
Sandy Shale			590	700	
Coal			700	705	
Gray Shale			705	1130	
White Sand			1130	1200	
Shale			1200	2040	
Lime and Sand			2040	2080	
White Sand			2080	2370	
Lime and Sand			2370	2425	
Sand and Shale			2425	2555	
Sand			2555	2685	
Shale			2685	2760	
Sandy Shale			2760	2940	
Shale			2940	3955	
Sand (white)			3955	4070	
Shale (gray)			4070	5100	
Sand (gray)			5100	5170	
Sandy Shale (gray)			5170	5997	
Total Depth			5997		

(Attach separate sheets to complete as necessary)

CARNEGIE NATURAL GAS CO.

Well Operator

By *Raymond A. Ludwig*

Its SR. GEOL.

09/08/2023

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

OCT - 7 1980

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 103-1194

Oil or Gas Well _____
(KIND)

Company <u>Carnegie Natural Gas Co.</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>Crawfordsville Ind.</u>	16			
Farm <u>Lewis Well Public Utility</u>	13			
Well No. <u>Wells 2-1836</u>	10			Size of _____
District <u>Gran</u> County <u>Wayne</u>	8 1/4	<u>2056</u>	<u>2056</u>	
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth <u>3526</u>	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 <u>8 3/8</u> SIZE <u>2056</u> No. FT. <u>9-30-80</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>600 Sd.</u>			
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:

Oct 2, 80
DATE

Phil Percy 572
DISTRICT WELL INSPECTOR
09/08/2023

B-11

OG-11

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

INSPECTOR'S WELL REPORT

Permit No. 103-1194

Oil or Gas Well _____
(KIND)

Company <u>Carnegie Gas Co</u> Address <u>3904 main St manhall PA</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Farm <u>Lewis wetzel Public Hunting area</u>	Size		
Well No. <u>2-1836</u>	16			Size of _____
District <u>Green</u> County <u>wetzel</u>	13			Depth set _____
Drilling commenced _____	10			Perf. top _____
Drilling completed _____ Total depth _____	8 1/4			Perf. bottom _____
Date shot _____ Depth of shot _____	6 5/8			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	5 3/16			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	3			
Volume _____ Cu. Ft.	2			
Rock pressure _____ lbs. _____ hrs.	Liners Used _____			
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			

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Drillers' Names _____ MAR 23 1982

Remarks: Final Inspection accepted
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

3-17-82
DATE

R.A. Lutz 09/08/2023 512
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

WALTER N. MILLER
DIRECTOR

March 31, 1982

Carnegie Natural Gas Company
3904 Main Street
Munhall, Pennsylvania 15120

Dear Sir:

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 NO.</u>	<u>FARM AND WELL NO.</u>	<u>DISTRICT</u>
WET-1194	Lewis Wetzel Public Hunting Area #Mills 2-1836	Green
WET-1229	S. J. Kilcoyne Estate #8-1848	Grant

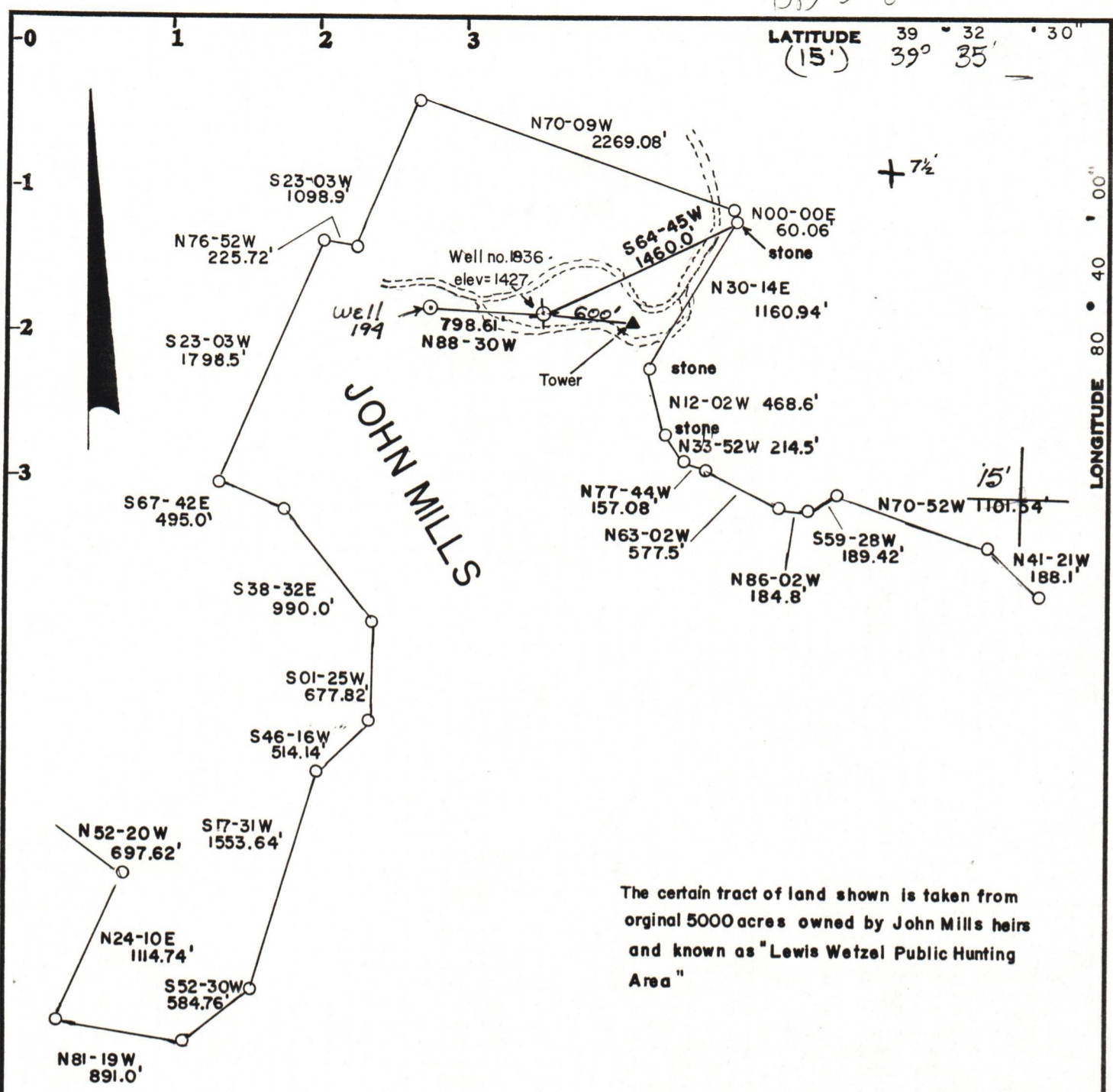
In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved..... ..

Very truly yours,

Fred Burdette

7-35

157 9-8-80



Minimum Error of Closure 1 in 200'

Source of Elevation TAKEN FROM TOWER, ELEVATION = 1462'

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Walter G. Gilbertson
Squares: N S E W

Map No. _____

Company	<u>CARNEGIE NATURAL GAS</u>
Address	<u>MUNHALL, PENNSYLVANIA</u>
Farm	<u>LEWIS WETZEL PUBLIC HUNTING AREA (JOHN MILLS)</u>
Tract	Acres <u>5,000</u> Lease No. <u>3476</u>
Well (Farm) No.	<u>2-1836</u> Serial No. <u>1836</u>
Elevation (Spirit Level)	<u>1427'</u> <u>LITTLETON</u>
Quadrangle	<u>PINE GROVE</u> <u>7 1/2'</u>
County	<u>WETZEL</u> District <u>GREEN</u>
Engineer	<u>Walter G. Gilbertson</u>
Engineer's Registration No.	<u>C.E. 5112</u>
File No.	_____ Drawing No. _____
Date	<u>August 9, 1980</u> Scale <u>1" = 1000'</u>

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

WELL LOCATION MAP
103-1194 G
FILE NO. _____

09/08/2023

- + Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.