



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAY 27 1981

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION DEPT. OF MINES

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

DATE May 14, 1981

Surface Owner Lewis Wetzel Public Hunting Area Company Carnegie Natural Gas Company
 Address State of W. Va., Charleston, WV 25305 Address 3904 Main St., Munhall, Pa. 15120
 Mineral Owner Mills-Wetzel Land, Inc. Farm John Mills Acres 5451
 Address c/o Elston Bank & Trust Co. Crawfordville- Indiana 47933 Location (waters) Fishing Creek (WYATT RUN)
 Coal Owner not known Well No. 3-1853 Elevation 1372
 Address _____ District Green County Wetzel
 Coal Operator none in area Quadrangle Pine Grove 7.5
 Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 1-28-82.

INSPECTOR
TO BE NOTIFIED Phillip L. Tracy
ADDRESS PO Box 173, Middlebourne, WV 26149
PHONE 758-4573

John B. Smith
Deputy Director - Oil & Gas Division
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 12 ~~18~~ 1895 by John Mills made to Carnegie Natural Gas Co. and recorded on the _____ day of _____ 19____, in Wetzel County, Book 47 Page 611
 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

Address
of
Well Operator

Very truly yours, CARNEGIE NATURAL GAS COMPANY
(Sign Name) _____
Well Operator _____ Div. Supt. _____
3904 Main Street
Street
Munhall
City or Town
Pennsylvania 15120
State

*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.

09/08/2023

47 - 103 - 1235 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by James C. Stephenson

BLANKET BOND

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME not known _____ NAME J. C. Stephenson, Div. Supt. _____
 ADDRESS _____ ADDRESS PO Drawer No. 387, Mannington, WV 2658 _____
 TELEPHONE _____ TELEPHONE 304-986-2060 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4500 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 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>42#</u>	<u>31'</u>		
9 - 5/8			
8 - 5/8 <u>24#</u>		<u>2250'</u>	<u>To surface</u>
7			
5 1/2			
4 1/2 <u>10.50#</u>		<u>4500'</u>	<u>2000'</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER 2000 FEET
 APPROXIMATE COAL DEPTHS 600
 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.

09/08/2023

 For Coal Company

 Official Title

BANKET BOND

Date May 12, 1981
 Well No. 3-1853
 API No. 47 - 103 - 1235 #516
 State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Carnegie Natural Gas Designated Agent J.C. Stephenson, Div. Supt.
 Address 3904 Main Street, Munhall, PA 15120 Address P.O. Box 387, Mannington, WV 26582
 Telephone 412-462-7121 Telephone 304-986-2060
 Landowner Lewis Wetzel Public Hunting Area Soil Cons. District Upper Ohio
 Revegetation to be carried out by Same (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan. 5/21/81 Renneth K. Masen (S.C.D. 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 _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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All structures should be inspected regularly and repaired if necessary.



OIL & GAS DIVISION
DEPT. OF MINES

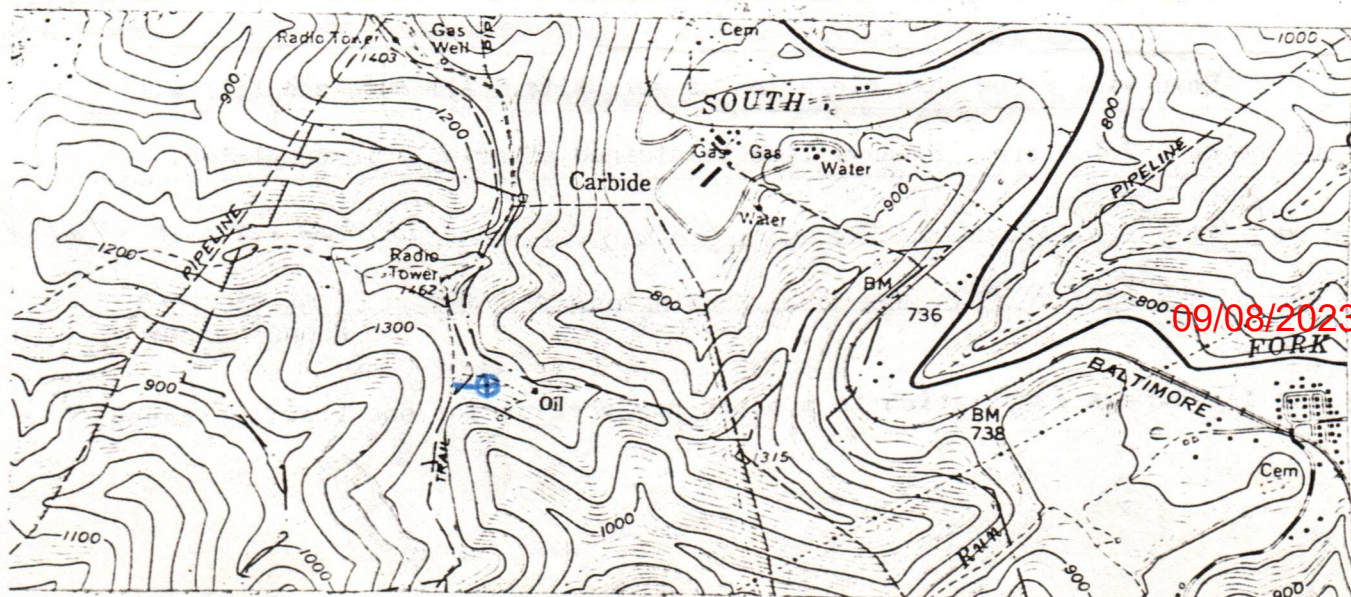
Revegetation

Treatment Area I		Treatment Area II	
Lime <u>6.5</u> Tons/acre or correct to pH	Lime <u>6.5</u> Tons/Acre or correct to pH		
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>Ky 31 fescue</u> <u>35</u> lbs/acre	Seed# <u>Ky 31 fescue</u> <u>35</u> lbs/acre		
<u>Ladino Clover</u> <u>5</u> lbs/acre	<u>Ladino Clover</u> <u>5</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 Pine Grove

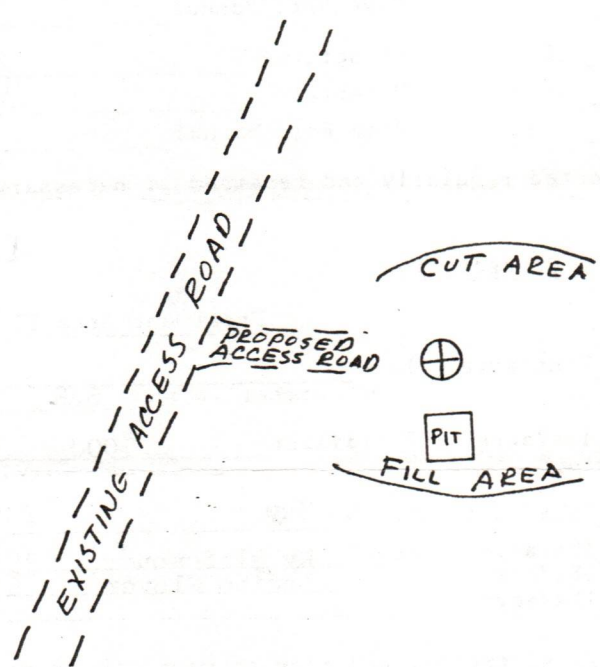
Legend:  Well Site
 Access Road



Well Site Plan

- | | | | |
|---------------------------|--|------------|--|
| Legend: Property Boundary | | 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: Road will be on same elevation as well site. All cuts and fill will be on a 2:1 slope. Road will be maintained after well is completed.

All trees and brush will be removed before any earthmoving. Timber will be cut and stacked.

Signature: James C. Stephenson P.O. Box 387, Mannington, WV 26582 304-986-2060
 Address Phone Number 09/08/2023

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

B-1
IV-35
(Rev 8-81)

RECEIVED



FEB 24 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date Dec. 16, 1981
Operator's
Well No. 3-1853
Farm John Mills
API No. 47 - 103 - 1235

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1372 Watershed Fishing Creek
District: Green County Wetzel Quadrangle Pine Grove 7.5

COMPANY Carnegie Natural Gas Company
ADDRESS 800 Regis Avenue, Pittsburgh, Pa.15236
DESIGNATED AGENT J. C. Stephenson
ADDRESS PO Drawer No. 387, Mannington, WV 26582
SURFACE OWNER Lewis Wetzel Public Hunting Area
ADDRESS State of WV, Charleston, WV 25305
MINERAL RIGHTS OWNER Mills-Wetzel Land, Inc.
c/o Elston Bank & Trust Co.
ADDRESS Drawfordville, Indiana 47933
OIL AND GAS INSPECTOR FOR THIS WORK Phillip L. Tracy
ADDRESS PO Box 173
Middlebourne, WV 26149
PERMIT ISSUED May 27, 1981
DRILLING COMMENCED July 15, 1981
DRILLING COMPLETED July 21, 1981

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	2176	2176	450 sacks
7			
5 1/2			
4 1/2	3969	3969	300 sacks
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4500 feet
Depth of completed well 4512 feet Rotary X / Cable Tools _____
Water strata depth: Fresh _____ feet; Salt _____ feet
Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA
Warren and Fourth Sands 3386-3912
30 foot, 50 foot, and Berea Sands 2954-3212
Producing formation co-mingled Big Injun Sand Pay zone depth 2462-2554 feet
Gas: Initial open flow 41.5 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow Show Mcf/d Final open flow 1/2 Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth 09/08/2023 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)

WET. - 1235

B-2

John Mills Well No. 3-1853 - Permit No. 47-103-1235

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

Filled back to 3969'

Perforations: 1st Stage: 3386-3912 - 15 holes. Warren and Fourth Sands
 2nd Stage: 2954-3212 - 17 holes. 30 Foot, 50 Foot, and Berea Sands
 3rd Stage: 2462-2554 - 26 holes. Big Injun Sand

Fractured: August 31, 1981

<p>1ST STAGE 500 Gals. HCL 15% Acid 20,000# 80/100 Sand 40,000# 20/40 Sand 479 Bbls. Water</p>	<p>2ND STAGE 500 Gals. HCL 15% Acid 20,000# 80/100 Sand 40,000# 20/40 Sand 498 Bbls. Water</p>	<p>3RD STAGE 500 Gals. HCL 15% Acid 20,000# 80/100 Sand 40,000# 20/40 Sand 487 Bbls. Water</p>
--	--	--

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	Brown & Gray		0	50	
Sand	Gray		50	138	
Shale	Gray		138	165	
Red Rock	Red		165	175	
Shale	Gray		175	210	
Red Rock	Red		210	215	
Shale	Gray		215	230	
Sand	Gray		230	350	
Red Rock	Red		350	360	
Shale	Gray		360	846	
Sandy Shale	Gray		846	915	
Sand	Gray		915	960	
Sandy Shale	Gray		960	1070	
Sand	Gray		1070	1090	
Shale	Gray		1090	1680	
Lime	Whitish		1680	1715	
Shale	Black		1715	1722	
Shale	Gray		1722	1970	
Sand	Gray		1970	2020	
Shale	Gray		2020	2045	
Sand	White		2045	2135	
Shale	Black & Gray		2135	2320	
Big Lime	Pinkish White		2320	2415	
Big Injun	White		2415	2580	
Shale	Gray		2580	2630	
Sand	Gray		2630	2655	
Shale	Gray		2655	3190	
Sand	Brown		3190	3210	
Shale	Gray		3210	4290	
Sand	Brown		4290	4310	
Shale	Gray		4310	4512	
Total Depth				4512	

(Attach separate sheets as necessary)

CARNEGIE NATURAL GAS COMPANY

Well Operator

By: Rayn J. [Signature] 09/08/2023
 Date: 2-21-83

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."

B-3

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

RECEIVED
MAY 31 1983

INSPECTOR'S WELL REPORT

Permit No. wet 1235

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

Company Carnegie Gas Co

Address _____

Farm John mills

Well No. 3-1853

District Green County Wetzel

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 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

Drillers' Names _____

Remarks: Checking Re Clamation, Re Claim work starting

5-25-83
DATE

R. A. Lowther
DIRECTOR

09/08/2023

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

B-11



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/

09/08/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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SEP 20 1983

FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 103-1235 County Wetzel
Company Carnegie nat Gas Farm John Mills
Inspector R. Lowther Well No. 3-1853
Date _____

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	✓	_____
23.04	Reclaimed Drilling Pits	✓	_____
23.05	No surface or underground Pollution	✓	_____
7.03	Identification Markings	✓	_____

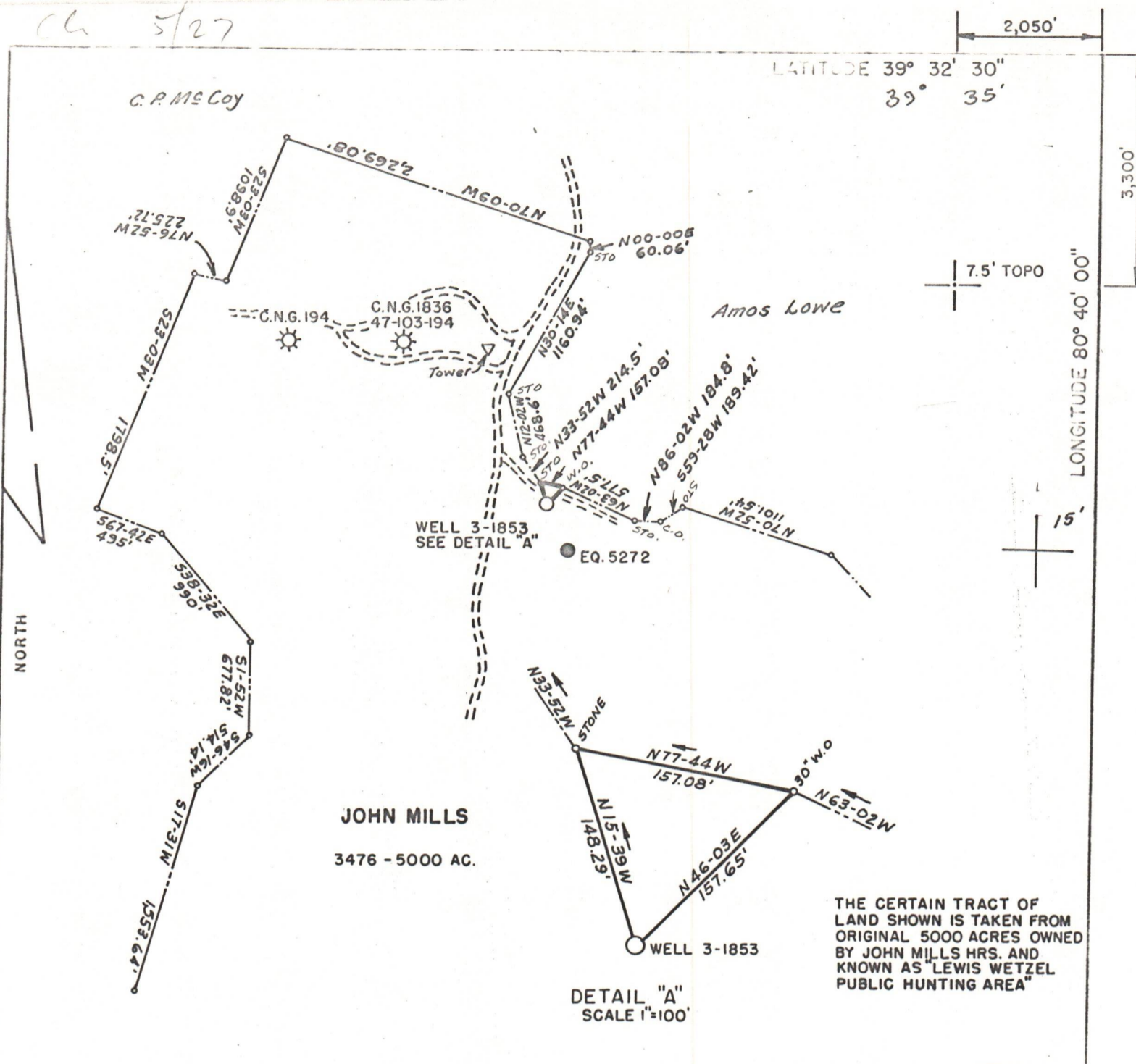
COMMENTS: This well was drilled before
went to work

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: R. Lowther
DATE: 9-16-83

09/08/2023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION TOWER, ELEV.=1462'

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) David R. Dishon
 R.P.E. _____ L.L.S. 028254E (PA)

PLACE SEAL HERE

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



DATE MAY 8, 19 81
 OPERATOR'S WELL NO. 3-1853
 API WELL NO. 47 103 1235
 STATE COUNTY PERMIT

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 1372 WATER SHED WYATT RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE PINE GROVE 7.5'

SURFACE OWNER LEWIS WETZEL PUBLIC HUNTING AREA ACREAGE _____
 OIL & GAS ROYALTY OWNER MILLS WETZEL LANDS, INC. LEASE ACREAGE 5000
 LEASE NO. 3476

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ PEDRILL ___ 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 DEVONIAN SHALE ESTIMATED DEPTH 4,500'
 WELL OPERATOR CARNegie NATURAL GAS CO. DESIGNATED AGENT J.C. STEPHENSON, SUPERINTENDENT
 ADDRESS 3904 MAIN STREET ADDRESS P.O. BOX 387
 MUNHALL, PA., 15120 MANNINGTON, W. VA., 26582

09/08/2023