

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 4-1847

API Well No. 47 - 049 - 0689  
State County Permit

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

LOCATION: Elevation: 1040' Watershed: Buffalo Creek  
District: Lincoln County: Marion Quadrangle: Grant Town

WELL OPERATOR Carnegie Natural Gas Co. DESIGNATED AGENT James C. Stephenson  
Address 3904 Main St. Address PO Box 387  
Munhall, Pa. 15120 Mannington, WV 26582

OIL & GAS ROYALTY OWNER H. T. Lough Heirs COAL OPERATOR Bethlemen Mines Corp.  
Address John B. Sabel, Agent for Devisees Address Holiday Plaza  
Fairmont Farms, Fairmont, WV 26554 Bridgeport, WV 26330

ACREAGE 126 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Phillip Edwards Name Same  
Address Rt. #9, Box 143 Address \_\_\_\_\_  
Fairmont, WV 26554 \_\_\_\_\_  
Phone: 304-366-9319 Name \_\_\_\_\_  
ACREAGE 32 Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
Name \_\_\_\_\_ Address \_\_\_\_\_  
Name \_\_\_\_\_ Address \_\_\_\_\_  
Address \_\_\_\_\_

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name William Blosser  
Address Rt. #4, Box 317  
Fairmont, WV 26554  
Phone: 304-363-9105

**RECEIVED**  
APR 21 1981

**OIL & GAS DIVISION  
DEPT. OF MINES**

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated Nov. 16, 1911, to the undersigned well operator from H. T. and Emma Lough

[If said deed, lease, or other contract has been recorded:]  
Recorded on April 29, 1912, in the office of the Clerk of the County Commission of Marion County, West Virginia, in \_\_\_\_\_ Book 180 at page 470. A permit is requested as follows:

PROPOSED WORK: Drill  / 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.

08/25/2023

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.



PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Not known

Address \_\_\_\_\_

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5500 feet Rotary  / Cable tools \_\_\_\_\_ /

Approximate water strata depths: Fresh, \_\_\_\_\_ feet; salt, 1200 feet.

Approximate coal seam depths: 288-295 Is coal being mined in the area? Yes \_\_\_\_\_ / No  /

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	16"					20'			Kinds
Fresh water									
Coal	11-3/4	H40	42	X		330'	330'	To surface	Sizes
Intermediate	8-5/8	K55	24	X		1600'	1600'	To surface	
Production	4-1/2	J55	10.50	X		5500'	5500'	3000'	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

This well is near an unlocated plugged well, Company No. 241, and should be in a block of coal, Jamison Coal & Coke Co. No. 33, Consolidated Coal Co. Mine 87.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator  / owner  / lessee \_\_\_\_\_ / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

08/25/2023

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Date: 4/12/1981  
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 1-6-82.

By Lawrence Cinch  
Its CHIEF ENGINEER  
MARION-BARBOR DIVISION  
BETHLEHEM MINES CORPORATION

Fred Burdette  
Deputy Director - Oil & Gas Division



STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name Carnegie Natural Gas Company 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 Phillip Edwards Soil Cons. District Monongalia  
Revegetation to be carried out by Same (Agent)

This plan has been reviewed by M. Mungabe SCD. All corrections and additions become a part of this plan. 4-25-81 J. Burk  
(Date) (SCD Agent)

Access Road	Location
Structure <u>Diversion Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Along top of cut</u>	Material <u>Earthen</u>
Page Ref. Manual <u>1-9</u>	Page Ref. Manual <u>1-9</u>
Structure <u>Catch Basin</u> (B)	Structure _____ (2)
Spacing <u>For Rain Water Run-off</u>	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

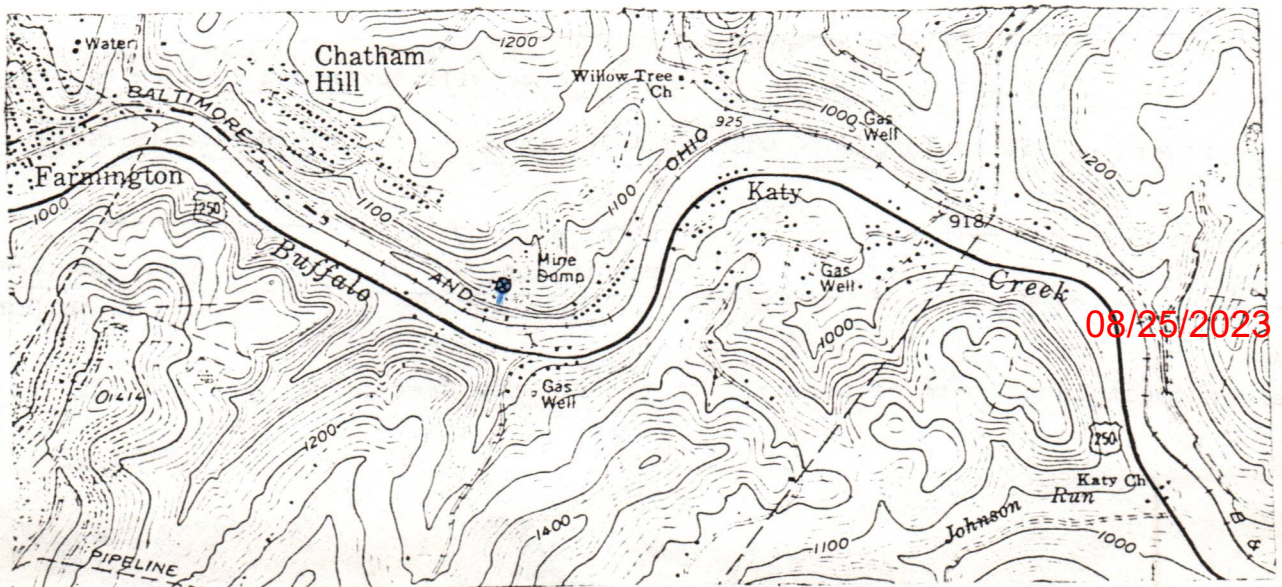
Revegetation

Treatment Area I		Treatment Area II	
Lime _____ Tons/acre	or correct to pH <u>6.5</u>	Lime _____ Tons/Acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay</u> 2 Tons/Acre		Mulch <u>Hay</u> 2 Tons/Acre	
Seed* <u>Ky 31 Fescue</u> 35 lbs/acre		Seed* <u>Ky 31 Fescue</u> 35 lbs/acre	
<u>Ladino Clover</u> 5 lbs/acre		<u>Ladino Clover</u> 5 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 Grant Town

Legend:  Well Site  
 Access Road



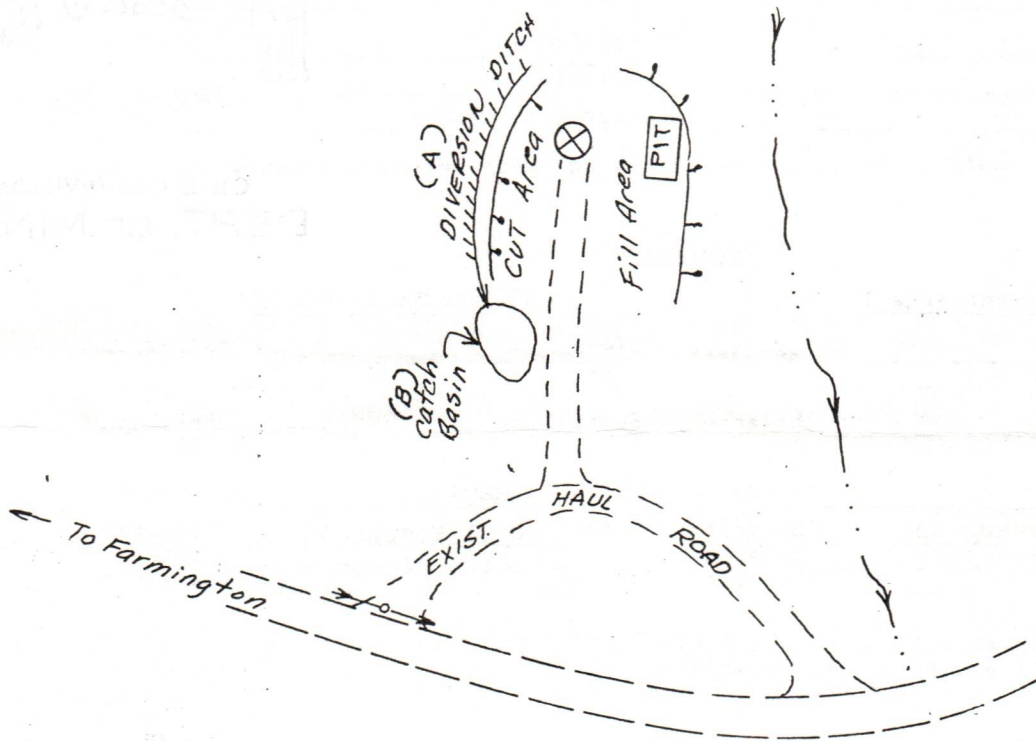


Well Site Plan

Legend: Property Boundary 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: 15% slope will be on well road. Cuts will be on a 2:1 slope or less.

Diversion ditch along road will be maintained after construction is completed

Signature: James C. Stephenson P. O. Box 387 Mannington, WV 26582 (304) 986-2060  
 Address Phone Number

08/25/2023

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



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

Date July 27, 1981

FORM IV-35  
(Obverse)

H. T. Lough

Operator's  
Well No. 4-1847

[08-78]

WELL OPERATOR'S REPORT  
OF

API Well No. 7 - 049 - 0689  
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

**RECEIVED**  
 OIL AND GAS DIVISION  
 WV DEPARTMENT OF MINES  
 SFP 4-1981

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

LOCATION: Elevation: 1040' Watershed: Buffalo Creek  
 District: Lincoln County: Marion Quadrangle: Grant Town

WELL OPERATOR Carnegie Natural Gas Company DESIGNATED AGENT J. Stephenson, Div. Supt.  
 Address 3904 Main Street Address PO Drawer No. 387  
Munhall, Pa. 15120 Mannington, WV 26582

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 April 21, 19 81

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name William Blosser  
 Address Rt. #4, Box 317

\_\_\_\_\_, 19 \_\_\_\_\_ Fairmont, WV 26554

GEOLOGICAL TARGET FORMATION: Alexander Depth 5500 feet

Depth of completed well, 5510 feet Rotary  / Cable Tools

Water strata depth: Fresh, 40 feet; salt, \_\_\_\_\_ feet.

Coal seam depths: 306-316 Is coal being mined in the area? NO

Work was commenced May 27, 19 81, and completed June 29, 1981

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		
Conductor								Minds
Fresh water								
Coal								Sizes
Intermediate	8-5/8	K55	24#	X			410 sacks	
Production	4-1/2	J55	10.50	X			400 sacks	Depth set
Tubing								
Liners								Perforations:
								Top Bottom

Balltown-Warren 2991 - 3614  
 1st Bradford 3893 - 3925  
 Elk, 1st and 2nd 4790 - 5216

OPEN FLOW DATA

Producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow, 36.5 Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d

Final open flow, 375 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests, \_\_\_\_\_ hours

Static rock pressure, 535 psig (surface measurement) after 17 hours

08/25/2023

[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



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

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Fill	Gray-Brown		0	15	
Shale	Gray		15	30	
Sand	Gray		30	45	1" water at 40'
Shale	Gray		45	60	
Sand	Gray		60	92	
Shale	Green		92	102	
Lime	Brown		102	120	
Sand	White		120	140	
Lime and Sand	Brown-Gray		140	165	
Sand and Shale	Gray		165	180	
Shale	Gray		180	240	
Lime and Sand	Brown-Gray		240	260	
Shale	Gray		260	306	
Coal	Black		306	316	
Shale	Gray		316	330	
Sand	Gray-White		330	359	
Sand	Brown		359	375	
Sand and Shale	Gray		375	430	
Shale and Red Rock	Gray		430	570	
Sandy Shale	Gray		570	640	
Red Rock	Red		640	650	
Limy Shale	Gray		650	660	
Shale and Red Rock	Gray		660	685	
Lime	Brown		685	690	
Shale and Red Rock	Gray		690	740	
Sandy Shale	Gray		740	1040	
Sand	Gray		1040	1125	
Shale	Gray		1125	1140	
Sand	Gray		1140	1170	
Shale	Gray		1170	1238	
Sand	Gray-White		1238	1356	
Shale	Gray-Black		1356	1368	
Sand	Gray-Black		1368	1385	
Shale	Black-Gray		1385	1448	
Sandy Shale & Red Rock	Gray		1448	1560	
Little Lime	Gray		1560	1575	
Shale	Gray		1575	1590	

(Attach separate sheets to complete as necessary)

Well Operator \_\_\_\_\_  
By \_\_\_\_\_  
Its \_\_\_\_\_

08/25/2023

**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."



DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.  
Fractured June 29, 1981.

Hole plugged back to: 5297'

Perforations: 4790 - 5216 15 holes  
3893 - 3925 9 holes  
2991 - 3616 14 holes

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 OIL AND GAS DIVISION  
 W. DEPARTMENT OF MINES

Fractured:	1st Stage	2nd Stage	3rd Stage
	20,000# 80-100 Sand	20,000# 80-100 Sand	20,000# 80-100 Sand
	40,000# 20-40 Sand	35,000# 20-40 Sand	40,000# 20-40 Sand
	600 Gal. HCL 15% Acid	500 Gal. HCL 15% Acid	500 Gal. HCL 15% Acid
	604 Bbl. Water	466 Bbl. Water	555 Bbl. 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
Big Lime	Gray		1590	1655	
Sand	Brown		1655	1760	
Shale	Gray		1760	1820	
Sand	Gray-Brown		1820	1860	
Shale	Gray		1860	2160	
Sand	Gray		2160	2380	
Shale	Gray		2380	2445	
Gordon Sand	Red		2445	2500	
Shale	Gray		2500	2535	
Sand	Gray		2535	2595	
Shale	Gray		2595	3017	
Sand	Gray		3017	3060	
Shale	Gray		3060	3460	
Sand	Gray		3464	3680	
Shale	Gray		3680	3900	
Sand	Gray		3900	4005	
Shale	Gray		4005	4735	
Sand	Gray		4735	4960	
Shale	Gray		4960	5509	
Logged Total Depth				5510	

(Attach separate sheets to complete as necessary)

Carnegie Natural Gas Company  
Well Operator

By Kenneth S. Dunay  
Its Geologist

08/25/2023

**NOTE:** Regulation 3.02(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."



**DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION**

**INSPECTOR'S WELL REPORT**

Permit No. MAR-689      New drilling location inspection      Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Carnegie Natural Gas Company</u>	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
Address <u>Munhall, Pennsylvania</u>	16			
Farm <u>H.T. Lough</u>	13			
Well No. <u>4-1847</u>	10			Size of _____
District <u>Lincoln</u> County <u>Marion</u>	8 1/4			
Drilling commenced _____	6 3/4			Depth set _____
Drilling completed _____ Total depth _____	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 _____ 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 \_\_\_\_\_

Remarks: Good location, Good pit, Approved by this inspector

Rigging up.

Contractor, S.W. Jack Rotary      Rig-#12

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MAY 29 1981

OIL & GAS DIVISION  
DEPT. OF MINES

May 27, 1981  
DATE

William J. Blosser #502  
DISTRICT WELL INSPECTOR  
*William J. Blosser* 08/25/2023















DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION

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JUN - 8 1981

**INSPECTOR'S WELL REPORT**

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

Permit No. 049-0689

Company <u>Carnegie Natural Gas Company</u>	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
Address <u>Munhall, Pennsylvania</u>	Size			
Farm <u>H.T. Lough, Et al</u>	16			Kind of Packer
Well No. <u>4-1847</u>	13			
District <u>Lincoln</u> County <u>Marion</u>	10 <u>11-</u>	<u>27'</u>		Size of
Drilling commenced	8 1/4	<u>1617'</u>	<u>C.T.S.-410</u>	<u>sacks cement</u>
Drilling completed _____ Total depth <u>5510'</u>	6 1/4	<u>Basket <del>22'</del> 276'</u>		Depth set
Drilling completed _____	5 3/16			
Date shot _____ Depth of shot _____	3 <u>4 1/2</u>	<u>5297'</u>	<u>cemented to 2500'</u>	Perf. bottom
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. bottom
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date			
Rock pressure _____ lbs. _____ hrs.	NAME OF SERVICE COMPANY <u>Dowell</u>			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>296-305'</u> FEET _____ INCHES			
Fresh water <u>40'-wet</u> feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names E.L. Mayfield, H.M. McVicker, M.A. Wall

Remarks:  
Contractor, S.W. Jack-Rotary-rig-12

June 4, 1981  
DATE

William J. Blosser #502  
DISTRICT WELL INSPECTOR  
*William J. Blosser* 08/25/2023









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AUG 28 1984

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

OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
June 21, 1984

COMPANY Carnegie Natural Gas Co.  
800 Regis Avenue  
Pittsburgh, Pennsylvania 15236

PERMIT NO 049-0689 (5/6/81)  
FARM & WELL NO Phillip Edwards #4-1847  
DIST. & COUNTY Lincoln/Marion

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 Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	<u>✓</u>	_____
25.01	Necessary Equipment to Prevent Waste	<u>✓</u>	_____
23.04	Reclaimed Drilling Pits	<u>✓</u>	_____
23.05	No Surface or Underground Pollution	<u>✓</u>	_____
23.07	Requirements for Production & Gathering Pipelines	<u>✓</u>	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	<u>✓</u>	_____

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED David R. Ellis  
DATE 8-21-84

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

T. H. v. B.  
Administrator-Oil & Gas Division

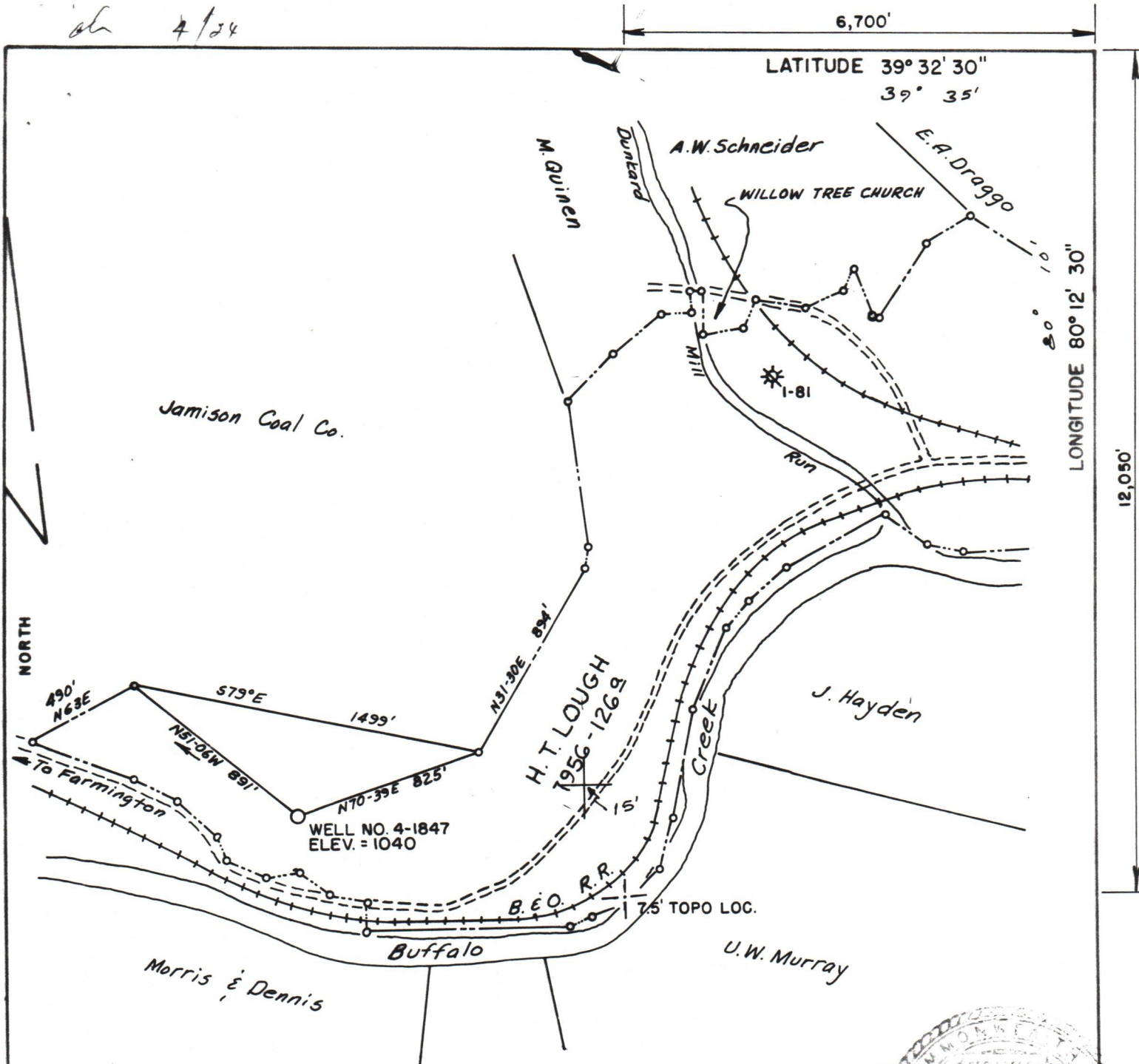
September 13, 1984

DATE

TMS/chm

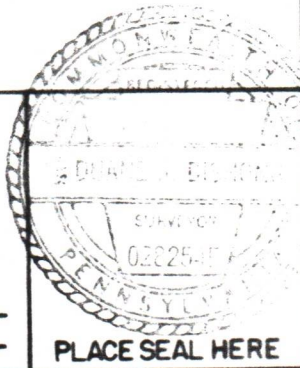
08/25/2023





FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 600'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. ON BRIDGE 2000' E. OF KATY. ELEV. = 914'

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) Quane L. Dishag  
 R.P.E. \_\_\_\_\_ L.I.S. 028254E (PA)



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

DATE APRIL 1, 19 81  
 OPERATOR'S WELL NO. 4-1847  
 API WELL NO. \_\_\_\_\_  
47 049 0689  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION ELEVATION 1040' WATER SHED BUFFALO CREEK  
 DISTRICT LINCOLN COUNTY MARION  
 QUADRANGLE GRANT TOWN  
 SURFACE OWNER PHILLIP EDWARDS ACREAGE 126  
 OIL & GAS ROYALTY OWNER H.T. LOUGH HRS LEASE ACREAGE 126  
 LEASE NO. 7956

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

08/25/2023

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500'  
 WELL OPERATOR CARNEGIE NATURAL GAS CO. DESIGNATED AGENT J.C. STEPHENSON  
 ADDRESS 3904 MAIN STREET ADDRESS P. O. BOX 387  
MUNHALL, PA., 15120 MANNINGTON, W. VA. 26582