



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

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

State of West Virginia  
COAL OPERATOR OR COAL OWNER  
Conservation Commission  
Charleston 5, W. Va.  
ADDRESS

OWENS, LIBBEY-OWENS GAS DEPARTMENT  
NAME OF WELL OPERATOR  
P. O. Box 4168, Charleston 4, W. Va.  
COMPLETE ADDRESS

COAL OPERATOR OR COAL OWNER  
ADDRESS

July 11, 1963

Owens-Illinois Glass Company and  
Libbey-Owens-Ford Glass Company  
OWNER OF MINERAL RIGHTS  
P. O. Box 4168  
Charleston 4, West Virginia  
ADDRESS

PROPOSED LOCATION  
Lincoln District

Wayne 38° 00' County  
82° 15'

Well No. 78 (Serial No. 938) 8. 973.0'

Wilson Coal Land Company Farm  
9,937 Acres

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 December 17, 1936, made by H. Rummell Anderson & Thomas B. Jackson Special Commissioners, to Owens-Illinois Glass Co. & Libbey Owens Ford Glass Co., and recorded on the 23rd day of December, 1936, in the office of the County Clerk for said County in Book 188, page L-33.

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten\* days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

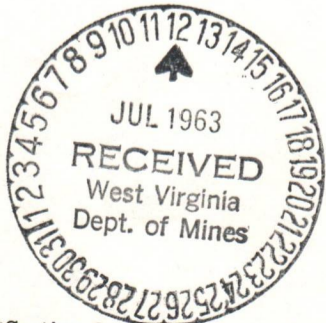
(The next paragraph is to be completed only in Department's copy.)

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,

OWENS, LIBBEY-OWENS GAS DEPARTMENT  
WELL OPERATOR  
P. O. Box 4168  
STREET  
Charleston 4,  
CITY OR TOWN  
West Virginia  
STATE

Address of Well Operator }



10/27/2023

\*Section 3 . . . . If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

BLANKET BOND

WAY-1464 PERMIT NUMBER

1464



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 CHARLESTON

July 22, 1963  
 "Centennial Year"

C  
O  
P  
Y

Owens, Libbey-Owens Gas Department  
 P. O. Box 4158  
 Charleston 4, West Virginia

Attention of Mr. J. E. Workman,  
 Chief Engineer

Gentlemen:

Enclosed are Permits for drilling the following wells:

PERMIT NO.	FARM	WELL NO.	DISTRICT
LIN-1366	Pauley-Stowers	1-Sr.-1190	Duval
WAY-1464	Wilson Coal Land Com.	78-Sr.-938	Lincoln

Very truly yours,

Executive Secretary  
 OIL AND GAS DIVISION

GW/dd  
 enclosure

- cc: Mr. Dana Lawson, Inspector
- Mr. Kenneth Butcher, Inspector
- Mr. R. C. Tucker, Assistant  
 State Geologist



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 CHARLESTON

July 22, 1923  
 "Constitutional Year"

Owen, Libbey-Owen Gas Department  
 P. O. Box 818  
 Charleston 4, West Virginia  
 Attention of Mr. J. E. Workman,  
 Chief Engineer

COPY

Gentlemen:

Enclosed are permits for drilling the following wells:

PERMIT NO.	TOWN	WELL NO.	DISTRICT
LIN-1388	Valley-Stowers	1-22-1188	Deval
WY-1424	Wilson Coal Land Com.	78-87-928	Lincoln

Very truly yours,

Executive Secretary  
 OIL AND GAS DIVISION

Owen  
 Enclosure

cc: Mr. Dana Lawson, Inspector  
 Mr. Kenneth Brubaker, Inspector  
 Mr. R. C. Fisher, Assistant  
 State Geologist

Mr. Frank L. Barker  
picked up map for well no. 78  
for revision.

Owens - Ribbey - Owens Gas Dept.  
Wilson Coal Land Co. Farm

7-16-63

Formation	Color	Hard or Soft	Top 27	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Sand	Grey	Hard	1275	1300			
Red Rock	Red	Soft	1300	1312			
Sl. & Shls.	Grey	Soft	1312	1348			
Red Rock	Red	Soft	1348	1364			
Maxton Sand	Grey	Hard	1364	1400			
Little Lime	Grey	Hard	1400	1436			
Big Lime	Grey	Hard	1436	1459	Installed 7" casing at 1459' on shoe set in red clay		
Big Lime	Grey	Hard	1459	1617	Gas show at 1529, 5/10 W 1/8 = 274 c.f. Gas 1575, 262 M Gas 1587, 316 M Test 1620, 286 M		
Keener Sand	Grey	Hard	1617	1635			
Big Injun	Red	-	1635	1647			
Big Injun	Red	Soft	1647	1660			
Big Injun	Grey	Hard	1660	1730			
Slate	Dark	Soft	1730	1756	Test 1756, 259 M SIM 1756 = Sand IM 1755		
					9-10-63 McCullough ran gamma-ray & temperature logs.		
					9-17-63 McCullough set a Baker plug at 1590 ft; dumped one bag of Cal-Seal on top of plug.		
					9-18-63 Installed 3-1/2" tubing at 1575 with a Lynes production packer set from 1564-1568 ft.		
					Dowell acidized the Big Lime with 2000 gal. intensified HCL acid, Pulled 1575' 2" of 3-1/2" tubing. Test 9:15 P.M. 449 M		
					9-19-63 7:15 P.M. 446 M (5 qts. water)		
					9-20-63 Installed 5-1/2" casing at 1756' with Parmaco anchor packer set from 1613 to 1610 ft.		
Shell	Grey	Hard	1756	1762			
Shell	Grey	Hard	1762	1777			
Slate	White	Soft	1777	2014			
Shell	Grey	Hard	2014	2036			
Slate	White	Soft	2036	2152			
Shell	Grey	Hard	2152	2160			
Slate	White	Soft	2160	2170			
Br. Shale	Brown	Soft	2170	2194			
Berea Sand	Grey	Hard	2194	2224	Gas 2198-2205		3.8 M
Berea Sand	Grey	Hard	2224	2250			
Shell	Grey	Hard	2250	2254			
Sand	Dark	Hard	2254	2275			
Slate	White	Soft	2275	2289			
Brown Shell	Brown	Hard	2289	2349	Gas 2331		4.1 M
Slate	White	Soft	2349	2539			
Shale	Grey	Soft	2539	2592			
Slate	White	Soft	2592	2671			
Brown Sha.	Brown	Hard	2671	2759	Gas 2715		3.1 M
Brown Sha.	Brown	Soft	2759	2775			
Slate	White	Soft	2775	2880	Gas 2844		3.4 M
Brown Sha.	Brown	Soft	2880	3179	Gas 2972		3.8 M
					Gas 3174		24.7 M
Slate	White	Soft	3179	3203	Test 3203		15.6 M
					SIM 3203 = Sand IM 3204		
			Total Depth	3203			
			10-18-63				
			Ran tools to 3000 ft.				
			Ran SIM at 2986 ft.				
			4:30 A.M. Test	49.5 M			
					10-16-63 Shot Shells & Brown Shale with 6,000 lbs. Trojan Gas Well A Powder from 2290 to 3203 ft. Test 15 Min. A.S. 676 M 1 Hr. A.S. 360 M		
					10-17-63 10 P.M. (310/27/2023)		4.1 M
					10-18-63 3 A.M. Test		59.6 M

Date November 15, 1963

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT Owner

By A. H. Smith, Mgr. (Title) Land, Engrg. & Geol.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 17

Quadrangle Nagautuck

Permit No. Way-1464

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT  
Address P. O. Box 4168, Charleston, W. Va.  
Farm Wilson Coal Land Co. Acres 9872.23

Location (waters) \_\_\_\_\_  
Well No. 78 (Serial No. 938) Elev. 973  
District Lincoln County Wayne

The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_

Mineral rights are owned by Owens, Libbey-Owens Gas Department  
Address \_\_\_\_\_

Drilling commenced 7-31-63

Drilling completed 10-11-63

Date Shot 10-16-63 From 2290 To 3203

With 6000# Trojan Powder

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch

Volume B.L. 446 MCF; Brown Sha. 50 M = 496 Cu. Ft.

Rock Pressure Br. Shale 330 lbs. 124 hrs.

Oil Big Lime 455 " 25 " bbls., 1st 24 hrs.

WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED \_\_\_\_\_

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			Bottom Hole
10			Anchor
8 5/8"	410'5"	410'5"	Size of 8-5/8x10-3/4x16
7"	1458'9"	1458'9"	Depth set 5-1/2x7 x 16
5 1/2"	1756'11"	1756'11"	410'
3			1613 to 1610'
2			Perf. top
Liners Used			Perf. bottom
			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 211 FEET 24 INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Grey	Soft	0	13			
Sand	White	Soft	13	65			
Slate	Blue	Soft	65	73			
Sand	Grey	Soft	273	211			
Coal	Black	Soft	211	213			Water at 90', 1 B.P.H.
Slate	Blue	Soft	213	221			
Sand	Grey	Soft	221	267			Water at 225', hole full
Slate	Blue	Soft	267	277			
Sand	Grey	Soft	277	302			
Slate	Blue	Soft	302	360			
Sl. & Shls.	Blue	Soft	360	400			
Slate	Blue	Soft	400	408			
Sand	Grey	Hard	408	448			
Slate	Grey	Soft	448	454			Installed 8-5/8" casing at 410' on Parmaco bottom hole packer.
Sand	Grey	Hard	454	464			
Sl. & Shls.	Blue	Soft	464	506			
Sand	Grey	Hard	506	600			
Sl. & Shls.	Grey	Soft	600	649			
Sand	Grey	Hard	649	712			
Sl. & Shls.	Dark	Soft	712	792			
Broken Sand	Dark	Soft	792	830			
Salt Sand	Grey	Hard	830	910			
Slate	Blue	Soft	910	921			
Sl. & Shls.	Dark	Soft	921	927			
Salt Sand	Grey	Hard	927	985			
Broken Sand	Dark	Soft	985	997			
Salt Sand	Grey	Hard	997	1109			Water at 1000', 1 bailer per hour
Sl. & Shls.	Dark	Soft	1109	1166			
Sl. & Shls.	Grey	Soft	1166	1275			



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Way-1464

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

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Owens - Libby - Owens</u>	Size			
<u>Charleston, W.Va.</u>	16			Kind of Packer _____
<u>Wilson Coal Land Co.</u>	13			
<u>78</u>	10			Size of _____
<u>Lincoln</u> County <u>Wayne</u>	8 1/4	<u>410</u>		
<u>8-1</u>	6 5/8			Depth set _____
Drilling commenced _____	5 3/16			
Drilling completed _____ Total depth _____	3			Perf. top _____
Date shot _____ Depth of shot _____	2			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	Liners Used			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch				Perf. bottom _____
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>12</u> FEET <u>15</u> - <u>3</u> INCHES			
Fresh water <u>12</u> - <u>325</u> feet <u>4</u> feet full	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

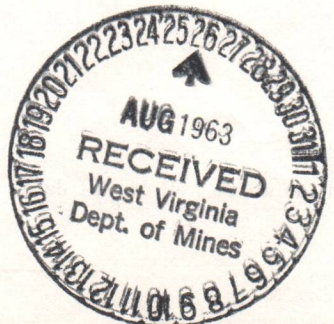
Drillers' Names \_\_\_\_\_

Contr. R.H. Adkins

Cable Tools  
Total Depth 700-

Remarks:

8-14-63  
DATE



H.E. Butcher  
DISTRICT WELL INSPECTOR  
10/27/2023

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

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

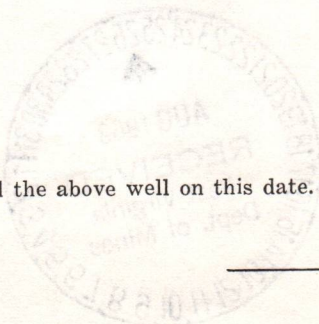
Filling Material Used \_\_\_\_\_

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  
**10/27/2023**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Way - 1464

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

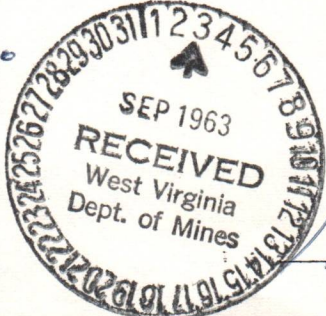
Company <u>Owens Leiby - Owens</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address <u>Charleston, W.Va.</u>	Size		
Farm <u>Wilson Coal Land Co.</u>	16			
Well No. <u>78</u>	13			Size of _____
District <u>Lincoln</u> County <u>Wayne</u>	10			
Drilling commenced <u>8-1</u>	8 1/4	<u>410'</u>		Depth set _____
Drilling completed _____ Total depth _____	6 5/8	<u>1458'</u>		
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: Center. P. H. Adams Cable tools  
Total depth 1458'

Testing 7 = pipe.

8-28-63  
DATE



E. Butcher  
DISTRICT WELL INSPECTOR  
10/27/2023

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

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

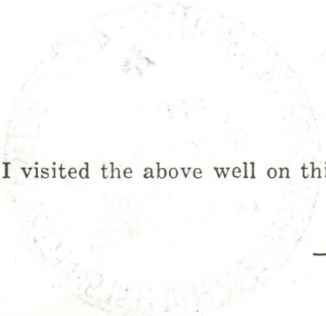
Liner                      Location                      Amount                      Packer                      Location

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  
 10/27/2023

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Way-1464

Oil or Gas Well Gas  
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>Owens - Tippy - Owens</u>	Size			
Address	<u>Charleston, W.Va.</u>	16			Kind of Packer
Farm	<u>Wilson Coal &amp; Land Co.</u>	13			
Well No.	<u>78</u>	10			Size of
District	<u>Lincoln</u> County <u>Wayne</u>	8 1/4			
Drilling commenced	<u>8-1-63</u>	6 5/8			Depth set
Drilling completed		5 3/16			
Date shot		3			Perf. top
Initial open flow	<u>3 4/10</u> / 10ths Water in <u>2 1/2</u> Inch	2			Perf. bottom
Open flow after tubing	<u>4 2/10</u> / 10ths <u>water</u> Merc. in <u>3</u> Inch	Liners Used			Perf. top
Volume					Perf. bottom
Rock pressure					
Oil					
Fresh water					
Salt water					

*1564' In order to acidize*

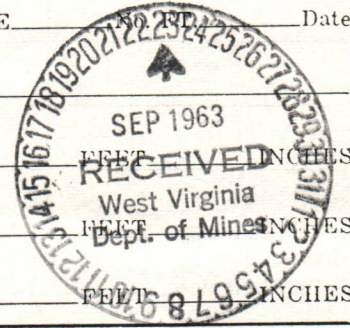
*after acidizing*

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES



Drillers' Names Hoke

Remarks: Contr. N.H. Adams Cable tools

Total depth 1757-  
Baker plug set at 1590-

They plan on running 5" pipe, using  
Braiden head + drilling through shale.  
9-20-63

K.E. Butcher

DATE

DISTRICT WELL INSPECTOR

10/27/2023

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS 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  
**10/27/2023**

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

INSPECTOR'S WELL REPORT

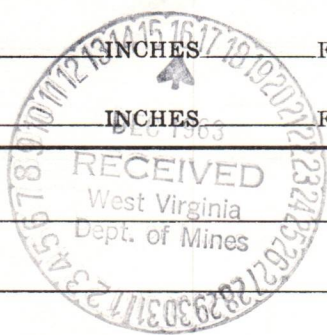
Permit No. Way-1464

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

Company Owens - Sibby - Owens  
 Address Charleston, W.Va.  
 Farm Wilson Coal & Land Co.  
 Well No. 78  
 District Lincoln County Wayne  
 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



Drillers' Names \_\_\_\_\_

Remarks:

*Final inspection for bond release.*

12-10-63  
DATE

J. E. Butcher  
DISTRICT WELL INSPECTOR

10/27/2023

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS 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  
**10/27/2023**

W.F. Eigenbrod  
Director

December 17, 1963  
"Centennial Year"

Mr. A. H. Smith  
Owens, Libbey-Owens Gas Department  
P. O. Box 4168  
Charleston, West Virginia

Dear Mr. Smith:

The final inspection report for your Well No. 78-Sr-938 on the Wilson Coal and Land Company Farm, Lincoln District, Wayne County, has been received in our office. This drilling was done under Permit WAY-1464.

As our Inspector, Mr. Kenneth Butcher, reports that everything is in good order, we are releasing this well under the Blanket Bond by which it is covered.

Yours very truly,

Gurmer Wamock  
Deputy Director  
OIL AND GAS DIVISION

sm

10/27/2023

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-099-1464</u>			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>108</u> Section of NGPA		<u>NA</u> Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>NA</u> feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Industrial Gas Corporation</u> Name <u>P. O. Box 1473</u> Street <u>Charleston</u> <u>WV</u> <u>25325</u> City State Zip Code		<u>009283</u> Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>NA</u> Field Name <u>Wayne</u> <u>WV</u> County State			
(b) For OCS wells:	<u>NA</u> Area Name		<u>NA</u> Block Number	
	Date of Lease: <u>  </u> <u>  </u> <u>  </u> <u>  </u> <u>  </u> <u>  </u> Mo. Day Yr.		<u>NA</u> OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Wilson Coal Land Co. 78-938</u>			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>NA</u>			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>See Addendum "A"</u> <u>Houdaille Industries, Inc.</u> Name		<u>N/Available</u> Buyer Code	
(b) Date of the contract:	<u>1 2 2 6 7 3</u> Mo. Day Yr.			
(c) Estimated annual production:	<u>9.4</u> MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: See Addendum "A" (As of filing date. Complete to 3 decimal places.)	<u>1 2 8 3</u>	<u>0 0 5 1</u>	<u>0 0 0 3</u>	<u>1 3 3 6</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.243</u>	<u>0.302</u>	<u>0.0</u>	<u>2.545</u> <b>10/27/2023</b>
9.0 Person responsible for this application:	<u>William C. Charlton</u> <u>Division Counsel</u> Name Title			
Agency Use Only	<u>William C. Charlton</u> Signature			
Date Received by Juris. Agency	<u>02/28/79</u> Date Application is Completed		<u>(304) 342-8166</u> Phone Number	
Date Received by FERC				



WELL DETERMINATION REPORT

ARTICIPANTS:

DATE:

OCT 10 1977

BUYER-SELLER CODE

WELL OPERATOR: Industrial Gas Corporation

009283

FIRST PURCHASER: Houdaille Industries, Inc.

NA

OTHER:

Quarry on section 108, stopped well.

Reported no production since April 1978

Pratt

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

790228-108-099-1464

Use Above File Number on all Communications Relating to Determination of this Well

New Prod 7/2/80 PL

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121  Items not completed - Line No. \_\_\_\_\_
- 2 IV-1 - Agent William C. Charlton
- 3 IV-2 - Well Permit
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record  Drilling  Deepening \_\_\_\_\_
- 6 IV-36- Gas-Oil Test: Gas Only  Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
- 7 IV-39- Annual Production 1 years 4 mos.
- 8 IV-40- 90 day Production 92 Days off Line: \_\_\_\_\_
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete  Affidavit Signed
- 18 - 28 Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_ Structure Map \_\_\_\_\_
- 1:4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_ Gas Analyses \_\_\_\_\_
- (5) Date Commenced: 7-31-63  
Completed: 10-11-63 drilling Deepened \_\_\_\_\_
- (5) Production Depth: 1529, 1575-87; 2198-2205; 2338; 2715; 2844; 2972-3174,
- (5) Production Formation: Big lime; Berea; Br. shell; Br. sha, S/cts; Br. Sha.
- (5) F.O.F. Initial Potential: Br. 446 Mcf, Br. Sha. 50 Mcf total- 496 Mcf
- (5) after frac: Br. Sha. 330 # Big Lime 455 #
- (6) Other Gas Test: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production:  $\frac{6430}{365} = 18 \text{ mcf}; \text{ No Oil}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days  $\frac{917}{92} = 10 \text{ mcf}; \text{ No Oil}$
- (8) Line Pressure: 36 # PSIG from Daily Report
- (5) Oil Production: \_\_\_\_\_ From Completion Report \_\_\_\_\_
- (10-17) Does lease inventory indicate enhanced recovery being done: No 10/27/2023
- (10-17) Is affidavit signed?  Notarized?

Does official well record with the Department confirm the submitted information? Yes

Additional Information: \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_

Was Determination Objected to? \_\_\_\_\_ By Whom? \_\_\_\_\_

PL  
TS  
DM

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

Date 02/28 1979  
Operator's Well No. 78-938  
API Well No. 47 - 099 - 1464  
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL  
NGPA Section 108

DESIGNATED AGENT William C. Charlton

ADDRESS P. O. Box 1473  
Charleston, WV 25325

WELL OPERATOR Industrial Gas Corporation LOCATION: Elevation 973.0'

ADDRESS P. O. Box 1473 Watershed Not Available  
Charleston, WV 25325

GAS PURCHASER \* Dist. Lincoln County Wayne Quad. Naugatuck

ADDRESS \* Gas Purchase Contract No. \*

Meter Chart Code R0002

Date of Contract \*

\*See FERC-121 - Addendum "A"

\* \* \* \* \*  
Provide a complete inventory of the lease and production equipment used for the well for the previous 24 months or, if less than 24 months, the period the well has been in production. Include a complete list of equipment or processes used in connection with recognized enhanced recovery techniques during completion or production. (Attach separate sheets, if necessary.)

(See Attachment)

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

All records required to determine production by meter stations are maintained in Charleston, West Virginia.

B&O Tax Records are located in Charleston, West Virginia, our Boston, Massachusetts office and the Houston, Texas office.

Royalty payment instructions are located in Charleston, West Virginia office and Houston, Texas office.

10/27/2023

Describe the search made of any records listed above:

I have made a diligent search of the production records located in Charleston, West Virginia. They were the records utilized in making the determination herein.

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes  No . If yes, indicate the type and source of the information.

AFFIDAVIT

I, Lawrence B. Mentzer, having been first sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate and that on the basis of the records and examinations hereinbefore described, and to the best of my information, knowledge and belief, the well for which this certification is sought qualifies as a stripper well.



STATE OF WEST VIRGINIA,  
COUNTY OF Kanawha, TO WIT:

I, Charlotte I. Mathews, a Notary Public in and for the state and county aforesaid, do certify that Lawrence B. Mentzer whose name is signed to the writing above, bearing date the 28 day of February, 19 79, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 28 day of February, 19 79. My term of office expires on the 5th day of December, 19 85.

10/27/2023

Charlotte I. Mathews  
Notary Public

IV-39-WC

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

JUN 8 1980

ANNUAL REPORT OF MONTHLY PRODUCTION-197A  
GAS VOLUMES IN MFC 2 14.73  
OIL IN BARRELS 2 60 DEGREES

REPORT NO. CCA101P1 PG 00002  
CURRENT DATE -  
REPORT DATE -

OPERATOR Tug Fork Corporation  
(Originally Industrial Gas Corporation)

790228-108-099-1464

API FARM 178-938 Wilson Coal

COUNTY Wayne

																		TOTALS
1979	GAS MFC	0	0	0	0	1234	1563	1197	1519	0	0	0	0	0	0	0	0	5513
	OIL BBL	J-	F-	M-	A-	J-	J-	J-	A-	J-	0-	0-	0-	0-	0-	0-	0-	
	DAYS ONLINE	36	28	28	28	29	34	22	29	29	28	28	33	28				357

																		TOTALS
1980	GAS MFC	0	0	0	0	1234	1563	1197	1519	0	0	0	0	0	0	0	0	917
	OIL BBL	J-	F-	M-	A-	J-	J-	J-	A-	J-	0-	0-	0-	0-	0-	0-	0-	
	DAYS ONLINE	35	37	29	29	29	32											133

DEPT. OF MINES  
OIL & GAS DIVISION

RECEIVED  
JUN 23 1980

SUMMARIZATION SCHEDULE  
Section 271. 804 (b)

In accordance with Section 271.804(b) please list all other wells which are to be used in determining this well classification under Part 271 Subpart H.

API NUMBERS

10/27/2023

**RECEIVED**

MAR 3 1980

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47- 099-1464</u>			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		OIL & GAS DIVISION <b>DEPT. OF MINES</b> Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	NA feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Tug Fork Corporation Name P. O. Box 3711 Street Charleston WV 25337 City State Zip Code		N/A Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	NA Field Name Wayne County WV State			
(b) For OCS wells:	NA Area Name		NA Block Number	
	Date of Lease: Mo. Day Yr.		NA OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wilson Coal Land Co.		78-938	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	NA			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Company Name		018629 Buyer Code	
(b) Date of the contract:	081780 Mo. Day Yr.			
(c) Estimated annual production:	9.4 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.404	.324	0.0	2.728
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.404	.324	0.0	2.728
9.0 Person responsible for this application:	Lawrence B. Mentzer Corporate Attorney Name Title			
Agency Use Only Date Received by Juris. Agency <b>MAR 21 1980</b> Date Received by FERC	Signature <b>MAR 3 1980</b> Date Application is Completed			
	(304) 342-8166 Phone Number			

10/27/2023

REGISTRARS:

DATE: AUG 14 1980

REG-SEALER CODE

WELL OPERATOR: Tug Fork Corp.  
FIRST PURCHASER: Tennessee Gas Pipeline Co.  
OTHER: \_\_\_\_\_

NA  
018629

U.S. Department of Mines, Oil & Gas Division  
WELL DETERMINATION FILE NUMBER  
800331.107.099.1464  
Use Above File Number on all Communications  
Relating To Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

W. NO.

- 1. FERC-121  Items not completed - Line No. \_\_\_\_\_
- 2. IV-1 Agent Lawrence B. Mentzer
- 3. IV-2 Well Permit \_\_\_\_\_
- 4. IV-6 Well Plat
- 5. IV-35 Well Record  Drilling  Deepening \_\_\_\_\_
- 6. IV-36 Gas-Oil Test: Gas Only \_\_\_\_\_ Was Oil Produced? \_\_\_\_\_ Ratio \_\_\_\_\_
- 7. IV-39 Annual Production No Prod years
- 8. IV-40 90 day Production \_\_\_\_\_ Days off line: \_\_\_\_\_
- 9. IV-45 Application for certification. Complete?
- 10. IV Form #31 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Completed?  \_\_\_\_\_
- 11. Others: Survey \_\_\_\_\_ Maps \_\_\_\_\_ Geological Reports \_\_\_\_\_  
Structure Map \_\_\_\_\_ Topographic Map \_\_\_\_\_ Well Locations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
- (13) Date commenced: 7/31/63 Date completed 10/16/63 Recurred \_\_\_\_\_
- (14) Production Depth: 2880/3174; 2759/75; 2289/2349; 2194/2224
- (15) Production Formation: Br. shale; \_\_\_\_\_; Brown Shell; Berea
- (16) Final Open Flow: 496 mcf/d
- (17) After Free. P.P. 455#
- (18) Other Gas Test: \_\_\_\_\_
- (19) Avg. Daily Gas from Annual Production: No Prod
- (20) Avg. Daily Gas from 90-day ending w/1 - 120 Days: " "
- (21) Line Pressure: None PSIG from Daily Report 10/27/2023
- (22) Oil Production: No From Completion Report \_\_\_\_\_
- 0-17) Does lease inventory indicate enhanced recovery being done? No
- 0-17) Is affidavit signed?  Notarized? \_\_\_\_\_
- Is official well record with the Department confirm the submitted information? YES
- Additional Information: \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Final Determination: PL

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

Date MAR 3 1980, 1980

Operator's Well No. 78-938

API Well No. 47 - 099 - 1464  
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL

NGPA Section 107

DESIGNATED AGENT Lawrence B. Mentzer

ADDRESS P. O. Box 3711

Charleston, W.Va. 25337

LOCATION: Elevation 973.0

Watershed N/A

Dist. Lincoln County Wayne Quad. Naugatuck

WELL OPERATOR Tug Fork Corporation

ADDRESS P. O. Box 3711

Charleston, W. Va. 25337

GAS PURCHASER Tennessee Gas Pipeline Company

ADDRESS P. O. Box 2511

Houston, Texas 77001

Gas Purchase Contract No. TF-1

Meter Chart Code R0002

Date of Contract 08/17/80

\* \* \* \* \*

AFFIDAVIT

I, James O. Sayre, having been first sworn according to law, state that, the well is producing natural gas produced from the fractures, micropores and bedding planes of shales deposited during the Paleozoic Devonian Period as generally found in the subsurface of the Appalachian Basin and in the surface outcrops around its periphery. For the purposes of this statement, Devonian shale is defined as that shale stratigraphic interval that lies between the base of the Mississippian Berea Sand or, if absent, that of the Osage Series, and the top of the Onondaga limestone formation or its chert equivalent, the top of the Huntersville group of carbonates. I have no knowledge of any information not included in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

James O. Sayre  
Geologist

STATE OF WEST VIRGINIA,  
COUNTY OF Kanawha, TO WIT:

I, Charlotte I. Mathews, a Notary Public in and for the state and county aforesaid, do certify that James O. Sayre, whose name is signed to the writing above, bearing date the 3rd day of March, 1980, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3rd day of March, 1980

My term of office expires on the 5th day of December, 1985.

Charlotte I. Mathews  
Notary Public

[NOTARIAL SEAL]

10/27/2023

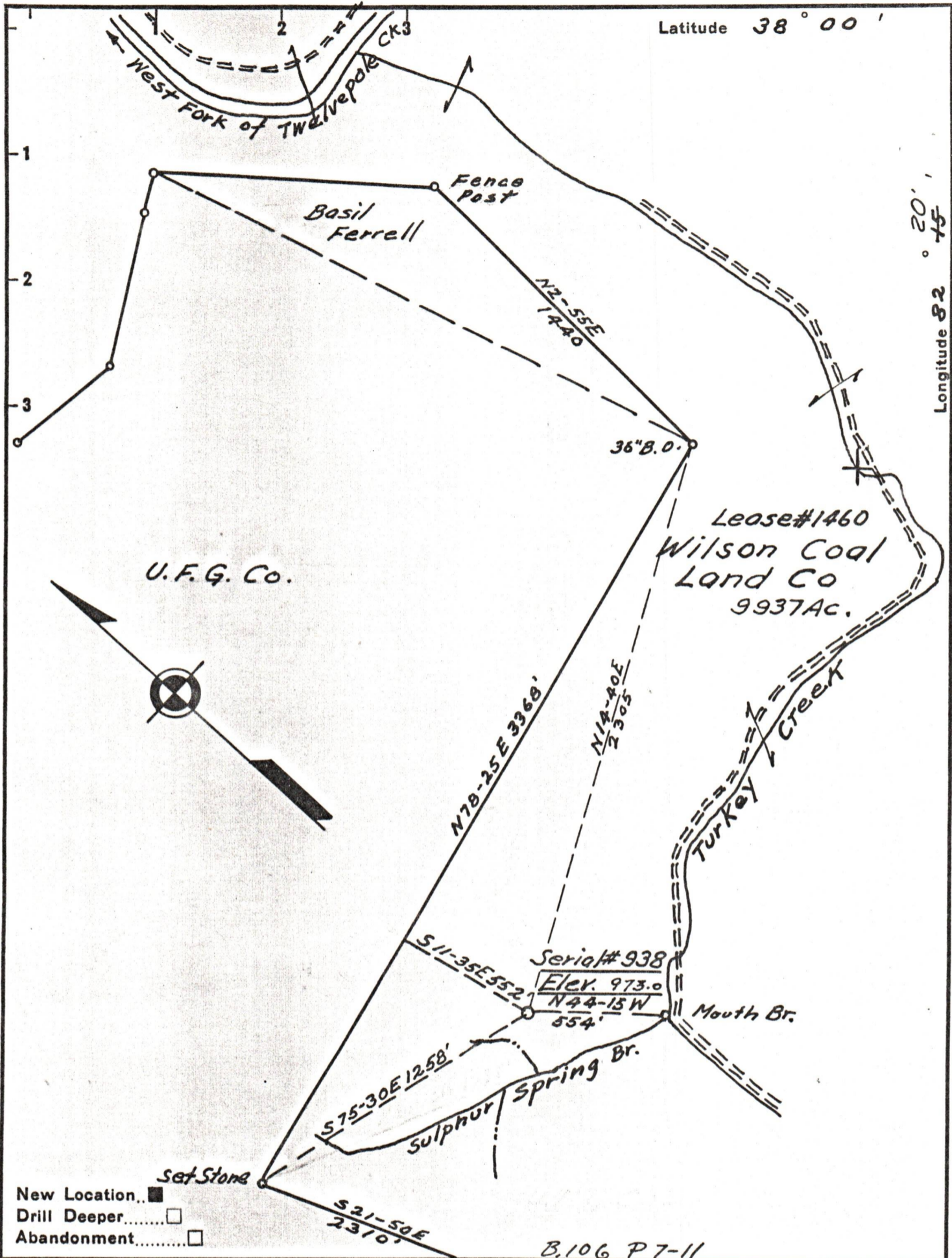
ELECTRIC LOGS

With reference to this well, please note that, at the time of the drilling hereof, neither electric logs nor the technology for logging were available. In lieu of actual electric logs on this well, we hereby refer to the gamma ray log and temperature log of the Caldwell & Colton Min. #20,289-T, Permit No. Wayne 1581. Our geologist(s) submit that these logs are representative of the area and shows the same or similar formations and structures as encountered in the well herein filed for.

Please refer to 107 Tug Fork well certification filing on Well No. 3-521, API No. 47-099-0019 for a copy of the said gamma ray and temperature logs applicable herein.

10/27/2023





Company Owens, Libbey-Owens Gas Dept.  
 Address Box 4158 Charleston 4 W. Va.  
 Farm Wilson Coal Land Co.  
 Tract \_\_\_\_\_ Acres 9937 Lease No. 1460  
 Well (Farm) No. 78 Serial No. 938  
 Elevation (Spirit Level) 973.0  
 Quadrangle Naugatuck 2-53.65" N 0.72"  
 County Wayne District Lincoln  
 Engineer T.S. Flournoy  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date May 27, 1955 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. WAY-1784 10/27/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.