



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, West Virginia

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

OWNER OF MINERAL RIGHTS

ADDRESS

OWENS, LIBBEY-OWENS GAS DEPARTMENT

NAME OF WELL OPERATOR

P. O. Box 4168, Charleston 4, W. Va.

COMPLETE ADDRESS

April 19, 19 60

PROPOSED LOCATION

Lincoln District

Wayne County

Well No. 76 (Serial No. 936) ³⁸⁰⁰⁰ 82°15'E 979.24

Wilson Coal Land Company Farm

76 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 J. 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

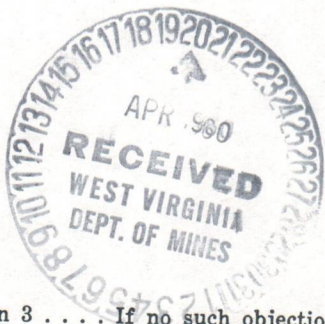
Charleston 4,

CITY OR TOWN

West Virginia

STATE

08/25/2023



Address of Well Operator }

*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.

1274

WAY-1274

PERMIT NUMBER



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.

OWENS, LIBBEY-OWENS GAS DEPARTMENT

State of West Virginia

NAME OF WELL OPERATOR
P. O. Box 4168, Charleston, W. Va.

COMMISSIONER OF COAL MINES
Charleston, West Virginia

APRIL 19, 1936

PROPOSED LOCATION

District Lincoln

County Wayne

Well No. To (Serial No. 236) 1274

Wilson Coal Land Company

The undersigned well operator is entitled to drill upon the above named land or tract of land for

oil and gas having for the title therein, Wilson Coal Land Company

to Richard A. Jackson, Special Commissioners

of Owens-Illinois Glass Co. & Libbey-Owens-Ford Glass Co. and recorded on the SP-1 tax

at December, 1935

Book 108 page 1-33

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

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

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 retained 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 the 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 addresses as above 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

P. O. Box 4168

WELL OPERATOR

STREET

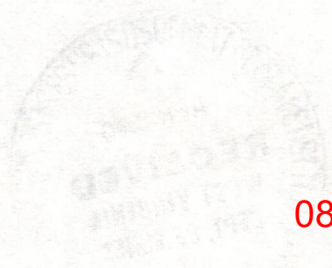
Charleston #

CITY OR TOWN

West Virginia

STATE

Address of Well Operator



08/25/2023

*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 such notice and plat by the department of mines to said proposed location, the department shall forthwith issue to the well operator a drilled permit, certifying the title of such land, that no objections have been made by the coal operators or coal owners to the location of land thereon by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

Permit Number WT-1274

Formation	Color	Hard or Soft	Top 13	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	Light	Hard	1007	1134			
Slate	Dark	Soft	1134	1148			
Sand	Light	Hard	1148	1163			
Slate	Dark	Soft	1163	1185			
Sand	Light	Med.	1185	1193			
Slate	Light	Soft	1193	1212			
Slate	Dark	Soft	1212	1263			
Sand	White	Med.	1263	1300			
Red Rock	Red	Soft	1300	1310			
Sand	Grey	Hard	1310	1318			
Slate	Light	Soft	1318	1333			
Lime	Dark	Hard	1333	1336			
Slate	Dark	Soft	1336	1346			
Red Rock	Red	Soft	1346	1362			
Sand	Light	Hard	1362	1400			
Little Lime	Dark	Hard	1400	1434			
Big Lime	Grey	Hard	1434	1454	5-26-60		
Big Lime	White	Hard	1454	1477	Installed 7" csg. at 1454' on shoe		
Big Lime	Grey	Med.	1477	1487			
Big Lime	Grey	Hard	1487	1572			
Big Lime	White	Hard	1572	1640	SIM 1581 = Sand IM 1576		
					Gas 1581		71.8 MCF
					Gas 1591		126. MCF
					Test 1606		104. MCF
					Gas 1612		127. MCF
Red Injun	Red	Med.	1640	1641			
Red Injun	Red	Med.	1641	1657	Test 1647		107. MCF
Grey Injun	Grey	Med.	1657	1686	Gas 1665		117. MCF
Lime	Dark	Med.	1686	1689	Gas 1674		121. MCF
					6-4-60		
					Test 11:30 A.M.		116. MCF
					6-7-60 SIM 1689 = Sand IM 1688		
					Installed 5-1/2" csg. at 1689' with Parmaco Bottom Hole Packer		
					After blowing 2 Hrs. in 7" casing		157. MCF
Shells	Dark	Hard	1689	1702			
Slate	Dark	Med.	1702	1712			
Lime Shells	Dark	Hard	1712	1755			
Sl & Shls	Dark	Med.	1755	2008			
Lime Shells	Dark	Hard	2008	2027			
Shells, Pkr.	Dark	Hard	2027	2033			
Slate	Dark	Soft	2033	2035			
Shells	Dark	Hard	2035	2040			
Slate	Light	Soft	2040	2091			
Sl & Shls	Dark	Med.	2091	2192			
Coffee Shale	Brown	Soft	2192	2195			
Coffee Shale	Brown	Med.	2195	2204			
Berea	Grey	Hard	2204	2230	Gas 2217		3.4 MCF
Slate Break	Light	Soft	2230	2233			
Sl & Shls	Light	Med.	2233	2247			
Shells, Pkr.	Grey	Hard	2247	2259			
Lime Shells	Grey	Hard	2259	2271			
Shells	Grey	Hard	2271	2275			
Slate	Light	Soft	2275	2295			
Br. Shale	Light	Soft	2295	2322			
Br. Shale	Brownq	Soft	2322	2353			
Slate	White	Soft	2353	2405			
Slate	Light	Med.	2405	2673			
Br. Shale	Light	Soft	2673	2712			
Br. Shale	Brown	Soft	2712	2850			
Slate	White	Soft	2850	2916	Test 2916		2.2 MCF
Br. Shale	Brown	Soft	2916	3098	Gas 3075-3080		16.7 MCF
Br. Shale	Brown	Hard	3098	3112			

08/25/2023

Date July 18, 19 60

APPROVED OWENS, LIBBEY-OWENS GAS DEPARTMENT, Owner

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13

Quadrangle Naugatuck

WELL RECORD

Permit No. Way-1274

Oil or Gas Well GAS
(KIND)

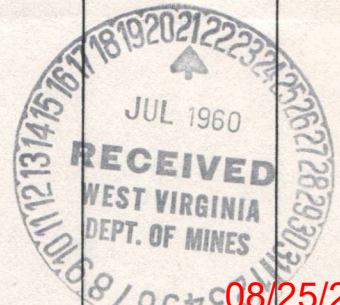
Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. Box 4168, Charleston 4, W. Va.
Farm Wilson Coal Land Co. Acres 9937
Location (waters)
Well No. 76 (Serial No. 936) Elev. 979.24
District Lincoln County Wayne
The surface of tract is owned in fee by
Address
Mineral rights are owned by Owens, Libbey-Owens Gas Dept
Address Charleston, W. Va.
Drilling commenced 4-29-60
Drilling completed 7-3-60
Date Shot 7-7-60 From 2648 To 3213
With 3666-2/3# Trojan Powder

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Parmaco Bottom Hole</u>
13			Size of
10			<u>5-1/2 x 7 x 16</u>
8 5/8	<u>397'10"</u>	<u>397'10"</u>	Depth set
7	<u>1451'10"</u>	<u>1451'10"</u>	<u>1686 - 1689</u>
5 7/8	<u>1688'1"</u>	<u>1688'1"</u>	Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
Volume Big Lime & Big Injun 116 MCF; Br. Shale 38 Cu. Ft.
Rock Pressure 490; 305-shale lbs. 68; 48-shale hrs.
Oil bbls., 1st 24 hrs.
Fresh water 275-280 feet
Salt water 985 feet

CASING CEMENTED SIZE No. Ft. Date
COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Yellow	-	0	20			
Sand	Light	Soft	20	48			
Slate	Brown	Soft	48	58			
Sand	-	-	58	129			
Sand	Light	Med.	129	155			
Sand, Bro.	Light	Soft	155	165			
Sand	-	Med.	165	194			
Sand	Light	Med.	194	230			
Slate	Light	Soft	230	236			
Slate	Dark	Soft	236	275			
Sand	Light	Hard	275	307	Water 275-280'	1 BPH	
Slate	Dark	Soft	307	355			
Lime	Dark	Med.	355	365			
Sand	White	Hard	365	390			
Sand, Bro.	Dark	Med.	390	415	5-6-60		
Slate	Dark	Soft	415	429	Installed 8-5/8" csg.		at 400' on shoe
Slate, Bro.	Dark	Soft	429	489			
Sand	White	Hard	489	509			
Sand	Dark	Soft	509	539			
Sand	Grey	Hard	539	580			
Sand	Grey	Med.	580	600			
Sand, Bro.	Dark	Soft	600	634			
Sand, Bro.	Dark	Med.	634	649			
Sand	Light	Hard	649	676			
Slate	Dark	Soft	676	681			
Sand	Dark	Soft	681	725			
Slate	Dark	Soft	725	815			
Sand	Dark	Soft	815	840			
Salt Sand	Grey	Med.	840	911			
Sand	Dark	Med.	911	948			
Slate	Dark	Soft	948	956			
Sand	Grey	Hard	956	985	Salty water at 985'		
Settling Sand	Light	Hard	985	1007	Water, 6-1/2 coils at 1000', hole filling		



08/25/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13A

Quadrangle Naugatuck

Permit No. Way-1274

WELL RECORD
CONTINUED

Oil or Gas Well GAS
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. BOX 4168, Charleston 4, W. Va.
Farm Wilson Coal Land Co. Acres 9937
Location (waters) _____
Well No. 76 (Serial No. 936) Elev. 979.24
District Lincoln County Wayne
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced _____
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/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			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4			Perf. top
6 5/8			Perf. bottom
5 3/16			Perf. top
3			Perf. bottom
2			
Liners Used			

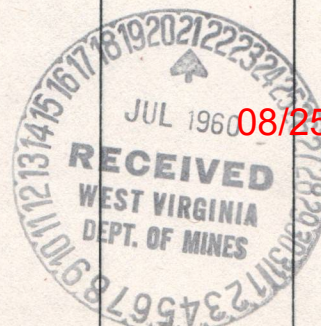
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Br. Shale,	Shelly						
	Brown	Med.	3112	3132			
Br. Shale	Brown	Soft	3132	3204			
Slate	White	Soft	3204	3220			
			Total Depth 3220				
			Total Depth After Shot 3001				
					7-7-60		
					Shot with 3666-2/3# Trojan Powder from 2648 to 3213 (1:45 P.M.)		
					Test Before Shot:		6.1 MC
					15 Min. After Shot:		499. MC
					1 Hr. " "		140. MC
					5 Hrs. " "		56.5 MC
					10 Hrs. " "		44.3 MC
					20 Hrs. " "		38.3 MC
					Final Open Flow:		
					Br. Shale		38. MC
					Big Lime & Big Injun		116. MC
					Total		154 MC
					7-8-60		
					Shut in well at 11:30 A.M. in 5-1/2" casing.		



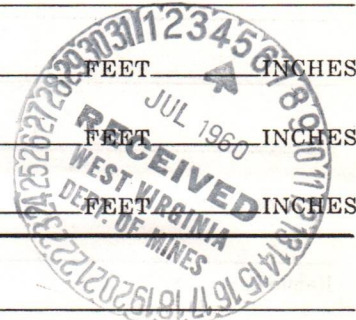
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. Way 1274

Oil or Gas Well 76-S 936
(KIND)

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>O. L. O. Gas Dept</u>				
Address	<u>Box 4168 Charleston, W. Va.</u>	Size			
Farm	<u>Wilson Coal Land Co.</u>	16			Kind of Packer
Well No.	<u>76 S - 936</u>	13			
District	<u>Lincoln</u> County <u>Wayne</u>	10			Size of
Drilling commenced	<u>4/28/60</u>	8 1/4			
Drilling completed		6 5/8			Depth set
Date shot		5 3/16			
Depth of shot		3			Perf. top
Initial open flow		2			Perf. bottom
/10ths Water in		Liners Used			Perf. top
Inch					Perf. bottom
Open flow after tubing					
/10ths Merc. in					
Inch					
Volume					
Cu. Ft.		CASING CEMENTED	SIZE	No. FT.	Date
Rock pressure					
lbs.					
hrs.					
Oil					
bbls., 1st 24 hrs.		COAL WAS ENCOUNTERED AT	FEET	INCHES	
Fresh water			FEET	INCHES	
feet			FEET	INCHES	
Salt water			FEET	INCHES	
feet			FEET	INCHES	



Drillers' Names Burgess Mills

Remarks: Frank Maynard
Visit well # 76 Lincoln dist. Wayne Co. date 6/29/60
Contractor Clifford Mills. The drillers have
no record at the well of pipe, water, coal, formations
gas pay. Informed them to keep record at
the well. all I can get is the dept 2883.

6/29/60

DATE

J.W. Poock

DISTRICT WELL INSPECTOR
08/25/2023

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

08/25/2023

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-099-1274																		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		NA 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.)	Industrial Gas Corporation Name P. O. Box 1473 Street		009283 Seller Code																
	Charleston City	WV State	25325 Zip 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. 7E-936																		
(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.)	See Addendum "A" Houdaille Industries, Inc. Name		N/Available Buyer Code																
(b) Date of the contract:	1 2 2 6 7 3 Mo. Day Yr.																		
(c) Estimated annual production:	4.6 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.)	1.283	0.051	0.003	1.336															
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.243	0.302	0.0	2.545															
9.0 Person responsible for this application:	<table border="1"> <tr> <td>Agency Use Only</td> <td colspan="3">William C. Charlton Name</td> <td>Division Counsel Title</td> </tr> <tr> <td>Date Received by Juris. Agency FEB 28 1979</td> <td colspan="3">Signature</td> <td></td> </tr> <tr> <td>Date Received by FERC</td> <td colspan="3">02/28/79 Date Application is Completed</td> <td>(304) 342-8166 Phone Number</td> </tr> </table>				Agency Use Only	William C. Charlton Name			Division Counsel Title	Date Received by Juris. Agency FEB 28 1979	Signature				Date Received by FERC	02/28/79 Date Application is Completed			(304) 342-8166 Phone Number
Agency Use Only	William C. Charlton Name			Division Counsel Title															
Date Received by Juris. Agency FEB 28 1979	Signature																		
Date Received by FERC	02/28/79 Date Application is Completed			(304) 342-8166 Phone Number															

08/25/2023

WELL DETERMINATION REPORT

ARTICIPANTS:

DATE: OCT 10 1979

BUYER-SELLER CODE

WELL OPERATOR: Industrial Gas Corporation

009283

FIRST PURCHASER: Houdaille Industries, Inc.

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790228-108-099-1274
 Use Above File Number on all Communications
 Relating to Determination of this Well

~~Reported and not produced since April 1978~~
Produced
 Produced since 108, stopped well
 New Prod 7/3/80 P.L.

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 \$mos.
- 8 IV-40- 90 day Production 85 Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Signed Affidavit
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date ~~Completed~~ Commenced: 4-29-60
Date Frac: 7-7-60 drilling Deepened _____
- (5) Production Depth: 1581-1612, 1665, 1974, 2217, 3075-80,
- (5) Production Formation: Big lime, Grey Injun, Lime, Berea, Droshale,
- (5) ~~Initial Potential:~~ F.O.F.: Br. Shale - 38 mcf, BL i BI - 116 mcf, Total - 154 mcf
- (5) ~~Static R.P. initially:~~ after frac: 490 #
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{1539}{368} = 4 \text{ mcf}; \text{ No Oil}$
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{367}{92} = 4 \text{ mcf}; \text{ No Oil}$
- (8) Line Pressure: NA PSIG from Daily Report
- (5) Oil Production: From Completion Report 08/25/2023
- (10-17) Does lease inventory indicate enhanced recovery being done: No
- (10-17) Is affidavit signed? Notarized?

Does official well rec: with the Department confirm the submitted information? Yes

Additional Information: _____ Does computer program confirm? _____

Was Determination Obje... to? _____ By Whom? _____

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

Date 02/28 19 79
Operator's Well No. 76-936
API Well No. 47 - 099 - 1274
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 979.24'
ADDRESS P. O. Box 1473 Watershed Not Available
Charleston, WV 25325 Dist. Lincoln County Wayne Quad. Naugatuck
GAS PURCHASER * _____ Gas Purchase Contract No. * _____
ADDRESS _____ 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.

08/25/2023

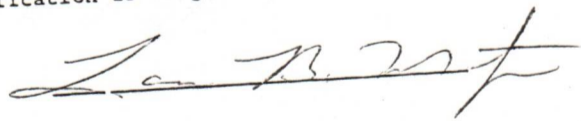
Describe the search made of any records listed above:

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.

Charlotte I. Mathews
Notary Public

08/25/2023

1.0 API well number: (If not available, leave blank. 14 digits.)	47- 099 - 1274			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		OCT 13 1981 N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3220 feet OIL & GAS DIVISION DEPT. OF MINES			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Cabot Oil & Gas Corporation Name P. O. Box 628 Street Charleston WV 25322 City State Zip Code			000728 Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Lincoln Field Name Wayne WV County State			
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wilson Coal 76-936			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A			
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 Co. Name			018629 Buyer Code
(b) Date of the contract:	0, 8, 1, 7, 7, 9 Mo. Day Yr.			
(c) Estimated annual production:	3.5 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.)	110% of #2 Fuel Oil	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	130% of #2 Fuel Oil	---	---	---
9.0 Person responsible for this application:	James R. Cramblett Name <i>James R. Cramblett</i> Signature October 13, 1981 Date Application is Completed			Regional Manager Drilling & Prod. Title (304) 344-8355 Phone Number
Agency Use Only				
Date Received by Juris. Agency	OCT 13 1981			
Date Received by FERC				

08/25/2023



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

BEFORE THE OFFICE OF OIL AND GAS
OF THE DEPARTMENT OF MINES
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATIONS)
OF CABOT OIL AND GAS CORPORATION)
REQUESTING CLASSIFICATION UNDER) CAUSE NO. 26
SECTION 107 OF CERTAIN WELLS IN)
BOONE, KANAWHA, LINCOLN, LOGAN) ORDER NO. 5-2
AND WAYNE COUNTIES, WEST VIRGINIA,)
AS DEVONIAN SHALE WELLS.)

REPORT OF THE OFFICE

This cause first came before the Administrator of the Office of Oil and Gas on December 3, 1981, at 1:00 p.m., in the First Floor Conference Room, 1615 Washington Street, East, Charleston, West Virginia, and upon applicant's request was continued April 14, 1982, at 10:00 a.m., in Conference Room C, Capitol Conference Center, Charleston, West Virginia, after giving notice of hearing as required by law on the applications of Cabot Oil and Gas Corporation for classification of a group of wells drilled prior to November 1, 1979, in Boone, Kanawha, Lincoln, Logan and Wayne Counties, West Virginia, as Devonian Shale wells under Section 107-(c)-(4) of the Natural Gas Policy Act.

FINDINGS OF FACT

- 1. Applicant is an operator within the meaning of paragraph 16 of Chapter 22-4-1-(w).
2. Applicant has made filings for certification pursuant to Rule 34.04.
3. The Natural Gas Policy Act (NGPA) in Section 107. Ceiling Price for High-Cost Natural Gas--in (c) Definition of High-Cost Natural Gas--"For purposes of this section, the term "high-cost natural gas" means natural gas determined in accordance with Section 503 to be....(4) produced from Devonian Shale."
4. The Federal Energy Regulatory Commission (FERC) by Rule 272.101-(c) prescribes the method by which the jurisdictional agency may determine gas produced from the Devonian Shale.
5. The applicant proposed to qualify forty-four (44) wells that were drilled prior to November 1, 1979, as Devonian Shale completions by regulation 272.101-(c).

6. Applicant established seven (7) groups of wells for which one (1) Gamma Ray log was presented for analysis. For each reference well the Gamma Ray index computation was made showing the non-shale section to be less than five percent (5%) of the Devonian Age interval penetrated. The geological witness stated that each well in each group would have a comparable Devonian section to the reference well.

7. The witness further explained certain sections of the Gamma Ray log that had abnormal readings did not represent grain size, but rather reflected radioactive components of the rock.

8. Of the seven (7) Gamma Ray Logs analyzed, the disqualifying lithology ranged from 0.0% to 1.6%.

9. A cross-section from West to East (A-A') across the area from Wayne to Boone Counties shows the same general characteristics, i.e. the gray shales near the top of the section with little or no radiation deviation grading to brown with depth and greater deviation caused by increased amounts of radioactive material.

10. The witness, a geologist, stated neither color nor radiation change appeared to reflect a change in grain size.

11. A cross-section from North to South (B-B') across the area from Kanawha to Logan Counties shows the same general characteristics, i.e. the gray shales near the top of the section with little or no radiation deviation grading to brown with depth and greater deviation caused by increased amounts of radioactive material.

12. Gases produced from the entire Devonian section are both gray and brown shales.

13. Applicant requested withdrawal of well No. 47-043-0953.

CONCLUSION OF LAW

1. That due notice of the time, place and purpose of the hearing has been given in all respects as required by law.

2. That pursuant to Chapter 22, Article 4, Code of West Virginia, of 1931, as amended, the Office has jurisdiction over the subject matter embraced in said notice, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

ORDER

It is Ordered the wells tabulated are found to be capable of producing from the Devonian Shale and are classified as Section 107 wells.

08/25/2023

GROUP I Log No. 47-099-1697 as Exhibit No. 3 1% Non-Shale

47-099-0043	47-099-0598
47-099-0341	47-099-0961
47-099-0342	47-099-1274
47-099-0490	47-099-1490
47-099-0561	

GROUP II Log No. 47-099-1757 as Exhibit No. 4 1.6% Non-Shale

47-099-0869
47-099-1273
47-099-1288

GROUP III Log No. 47-043-1637 as Exhibit No. 5 0.14% Non-Shale

47-043-0954
47-099-0359
47-099-0417
47-099-0485

Also has Core Analysis Study - Exhibit No. 6

GROUP IV Log No. 47-005-1342 as Exhibit No. 7 0.1% Non-Shale

47-005-0673	47-043-0183	47-045-0166
47-005-0675	47-043-0695	
47-005-0676	47-043-1110	
47-005-0808	47-043-1168	
47-005-0809	47-043-1171	Three (3) other wells in the area
47-005-0924	47-043-1405	
47-005-1009	47-043-1409	have qualified as 107.

GROUP V Log No. 47-045-1074 as Exhibit No. 8 0.0% Non-Shale

47-045-0009

GROUP VI Log No. 47-005-1360 as Exhibit No. 9 0.2% Non-Shale

47-005-0044	47-005-0847	
47-005-0371	47-005-0851	
47-005-0505	47-005-0862	This group also used Log No.
47-005-0842	47-005-0875	47-005-1349 as Exhibit No. 10 - 0%

GROUP VII Log No. 47-039-3749 as Exhibit No. 11 0.0% Non-Shale

47-039-1775
47-039-1895
47-043-1186

The Office of Oil and Gas further incorporates the Report of the Office and the Findings of Fact and Conclusion of Law dated April 14, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

Entered this 8th day of June, 1982.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS
OF THE DEPARTMENT OF MINES
OF THE STATE OF WEST VIRGINIA

By: Thomas E. Huzzey
Thomas E. Huzzey, Administrator

PARTICIPANTS:

DATE:

BUYER-SELLER CODE

WELL OPERATOR:

Cabot Oil & Gas Corp

000728

FIRST PURCHASER:

Tennessee Gas Pipeline Co.

018629

OTHER:

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

WELL DETERMINATION FILE NUMBER

811013-102099-1274

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

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 Items not completed - Line No. All 80+70

2. IV-1 Agent James R. Cramblett

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 years

8. IV-40 90 day Production 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: 4-29-60 Date completed 7-3-60 Deepened

(5) Production Depth: 1581-1612, 1665-74, 3075-80

(5) Production Formation: Big lime, Big Injun Bn. Shale

(5) Final Open Flow: 154 MCF

(5) After Frac. R. P. 490; 305+ Shale 68; 48-shale

(6) Other Gas Test:

(7) Avg. Daily Gas from Annual Production:

(8) Avg. Daily Gas from 90-day ending w/1-120 days

(8) Line Pressure: PSIG from Daily Report

(5) Oil Production: From Completion Report

10-17. Does lease inventory indicate enhanced recovery being done NO

10-17. Is affidavit signed? Notarized?

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

08/25/2023

Additional information Does computer program confirm?

Was Determination Objected to By Whom?

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

Date October 13, 1981

Operator's Well No. Wilson Coal 76-936

API Well No. 47 - 099 - 1274
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

WELL OPERATOR Cabot Oil & Gas Corp.
ADDRESS P. O. Box 628
Charleston, WV 25322
GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P. O. Box 2511
Houston, TX 77001

DESIGNATED AGENT James R. Cramblett
ADDRESS P. O. Box 628
Charleston, WV 25322
LOCATION: Elevation 979.24'
Watershed N/A
Dist. Lincoln County Wayne Quad. Naugatuck
Gas Purchase Contract No. GSC140
Meter Chart Code N/A
Date of Contract 8/17/79

* * * * *

Date surface drilling began: April 29, 1960

Indicate the bottom hole pressure of the well and explain how this was calculated:

$BHP = P_1 + P_1(eGL/53.34T_{-1})$ $P_1 = 223.7$ PSIA $BHP = 230.9$ PSIA
 $T = 87^\circ$
 $G = .69$
 $L = 2715'$

AFFIDAVIT

I, Paul L. Gebhard, 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 out crops 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. As shown by the pertinent portion of the gamma ray log attached to this filing, the percentage of potentially disqualifying non-shale footage is equal to or less than the five percent (5%) of the gross Devonian age producing interval. 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.

Paul L. Gebhard
Geologist

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

I, Lorene Miller, a Notary Public in and for the state and county aforesaid, do certify that Paul L. Gebhard, whose name is signed to the writing above, bearing date the 13th day of October, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 13th day of October, 1981.

My term of office expires on the 5th day of March, 1989. **08/25/2023**

Lorene Miller
Notary Public

[NOTARIAL SEAL]

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Cabot Oil & Gas Corporation DESIGNATED AGENT James R. Cramblett
ADDRESS P. O. Box 628 ADDRESS P. O. Box 628
Charleston, WV 25322 Charleston, WV 25322

Gas Purchase Contract No. GSC140 and Date 8/17/79
(Month, day and year)

Meter Chart Code N/A

Name of First Purchaser Tennessee Gas Pipeline Company
P. O. Box 2511
Houston TX 77001
(City) (State) (Zip Code)

FERC Seller Code 000728 FERC Buyer Code 018629

TYPE OF DETERMINATION BEING SOUGHT: 107 N/A
Section of NGPA Category Code

- (1) Initial determination (See FERC Form 121.)
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

James R. Cramblett Regional Manager
Name (Print) Title
James R. Cramblett
Signature
P. O. Box 628
Street or P. O. Box
Charleston WV 25322
City State (Zip Code)
(304) 344-8355
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

"STATEMENT ATTACHED"

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section 107 under the Natural Gas Policy Act of 1978, (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA)

All interested parties are hereby notified that on the 17 day of August, 19 79, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____.

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

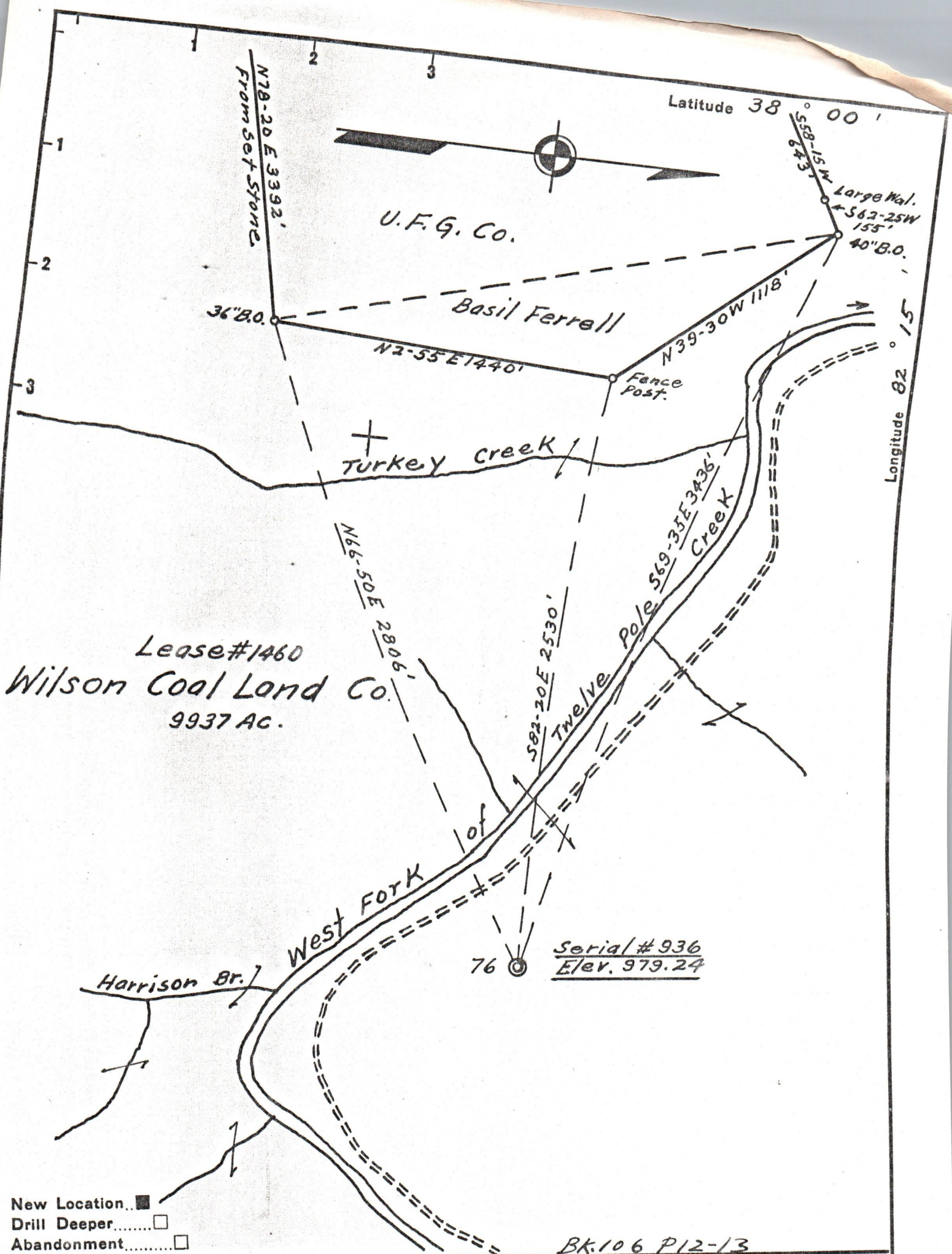
WEST VIRGINIA DEPARTMENT OF MINES

OCT 13 1981

J. B. Hargrett
Director
By _____
Title _____

Date received by
Jurisdictional Agency

08/25/2023



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. 76 Serial No. 936
 Elevation (Spirit Level) 979.24
 Quadrangle Naugatuck 153.20"W 4.47"
 County Wayne District Lincoln
 Engineer T.S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date May 23, 1955 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WAY-1274

08/25/2023

- + 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.

08/25/2023