



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

COAL OPERATOR OR COAL OWNER
ADDRESS

OWNER OF MINERAL RIGHTS
ADDRESS

Owens, Libbey-Owens Gas Department
NAME OF WELL OPERATOR
P. O. Box 4158, Charleston 4, W. Va.
COMPLETE ADDRESS

April 4, 19 55
PROPOSED LOCATION
Lincoln District
Wayne County
Well No. 72 (O.L.O. Serial #923) 38° 00' 82° 20'
Wilson Coal Land Company Farm

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 R. 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.

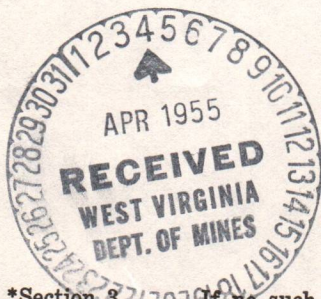
The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their 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 4158
STREET
Charleston 4,
CITY OR TOWN
West Virginia
STATE



Address of Well Operator }

02/09/2024

*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.



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, Lippey-Owens Gas Department

State of West Virginia

NAME OF WELL OPERATOR

COAL OPERATOR OR COAL OWNER

R. O. Box 1158, Charleston, W. Va.

Conservation Commission
Charleston, W. Va.

COMPLETE ADDRESS

ADDRESS

April 1, 1936

PROPOSED LOCATION

COAL OPERATOR OR COAL OWNER

Lincoln

ADDRESS

Wayne County

OWNER OF MINERAL RIGHTS

Well No. 12 (O.L.O. Serial #233)

ADDRESS

Wilson Coal Land Company
Farm

COMMENTARY

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas having the title thereto, (name the owner, his address, and the date of purchase) as shown on the map of the Owens-Lippey-Owens Gas Co. and recorded on the _____ day of _____, 1936, in the office of the County Clerk for said County in Book 188, 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 by the undersigned well operator on the farm and in the Marshall District and County above named, determined by survey and courses and distances from two permanent points on land made.

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 boundary 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 addresses.

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, in 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 failure to file such objections will be deemed to be a consent to the proposed location of the well and that all such objections must be filed as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the location 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 _____, 1936, 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, LIPPEY-OWENS GAS DEPARTMENT

WELL OPERATOR

R. O. Box 1158

STREET

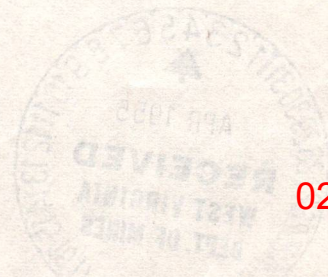
Charleston, W. Va.

CITY OR TOWN

West Virginia

STATE

Address of Well Operator



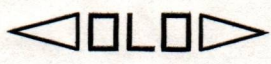
02/09/2024

Approved and the well operator authorized to proceed to drill at said location.

A-10

OWENS, LIBBEY-OWENS GAS DEPARTMENT

5793 MACCORKLE AVENUE
P. O. BOX 4158
CHARLESTON 4, WEST VIRGINIA



April 4, 1955

W. Va. Department of Mines
Oil and Gas Division
Charleston 5, W. Va.

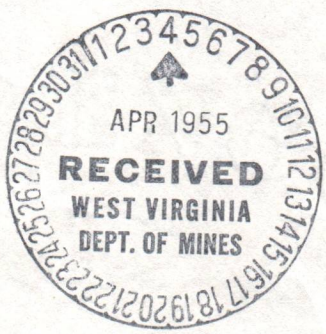
Gentlemen:

We are enclosing an application for a permit to drill well No. 70 (Serial O.L.O. No. 918) on our Wilson Coal Land Company tract. A plat showing the proposed location of said well is also enclosed.

Yours very truly,
OWENS, LIBBEY-OWENS GAS DEPARTMENT
By T. S. Flournoy
T. S. Flournoy, Chief Engineer

TSF:ed
Enclosures

cc: W. Va. Conservation
Commission.



02/09/2024



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

Quadrangle NAUGATUCK

WELL RECORD

Oil or Gas Well Gas (KIND)

Permit No. **2024/06/20**
May-96

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT

Address P. O. Box 4158, Charleston 4, W. Va.

Farm WILSON COAL LAND CO. Acres 9937

Location (waters) Well No. 72 (Serial #923) Elev. 897.66

District Lincoln County Wayne

The surface of tract is owned in fee by

Address Owens, Libbey-Owens Gas Dept. 678

Mineral rights are owned by Owens, Libbey-Owens Gas Dept. 678

Address Charleston, W. Va.

Drilling commenced 4-9-55

Drilling completed 5-28-55

Date Shot 6-2-55 From 3160 To 2346

With 7800# Detonite

Open Flow /10ths Water in Inch

Volume 86 Cu. Ft.

Rock Pressure 266 lbs. 48 hrs.

Oil 946, 955 Fresh water 1248, 1355 Salt water

Feet feet

INCHES INCHES

Casing and Tubing			Used in Drilling			Left in Well		
Size	16	13	10	301 1/4"	301 1/4"	301 1/4"	1681 - 1685	Depth set
Size	8 3/8	8 1/2	8 1/2	1688 1/2"	1688 1/2"	1688 1/2"	1681 - 1685	Depth set
Liners Used	2	3	2	1688 1/2"	1688 1/2"	1688 1/2"	1681 - 1685	Depth set
Perf. bottom	Perf. top	Perf. bottom	Perf. top	Perf. bottom	Perf. top	Perf. bottom	Perf. top	Perf. bottom

CASING CEMENTED
No. Ft. SIZE Date
COAL WAS ENCOUNTERED AT 246 FEET 60 INCHES

FEEET INCHES
FEEET INCHES
FEEET INCHES

Bottom Top Hard or Soft Color Formation

1300	1300	1300	1300	1300	1300	1300	1300	1300
1273	1273	1273	1273	1273	1273	1273	1273	1273
1268	1268	1268	1268	1268	1268	1268	1268	1268
1254	1254	1254	1254	1254	1254	1254	1254	1254
1248	1248	1248	1248	1248	1248	1248	1248	1248
1247	1247	1247	1247	1247	1247	1247	1247	1247
1199	1199	1199	1199	1199	1199	1199	1199	1199
1172	1172	1172	1172	1172	1172	1172	1172	1172
1157	1157	1157	1157	1157	1157	1157	1157	1157
1089	1089	1089	1089	1089	1089	1089	1089	1089
850	850	850	850	850	850	850	850	850
697	697	697	697	697	697	697	697	697
682	682	682	682	682	682	682	682	682
650	650	650	650	650	650	650	650	650
620	620	620	620	620	620	620	620	620
602	602	602	602	602	602	602	602	602
576	576	576	576	576	576	576	576	576
551	551	551	551	551	551	551	551	551
422	422	422	422	422	422	422	422	422
375	375	375	375	375	375	375	375	375
301	301	301	301	301	301	301	301	301
288	288	288	288	288	288	288	288	288
279	279	279	279	279	279	279	279	279
251	251	251	251	251	251	251	251	251
246	246	246	246	246	246	246	246	246
212	212	212	212	212	212	212	212	212
175	175	175	175	175	175	175	175	175
166	166	166	166	166	166	166	166	166
98	98	98	98	98	98	98	98	98
78	78	78	78	78	78	78	78	78
53	53	53	53	53	53	53	53	53
15	15	15	15	15	15	15	15	15
10	10	10	10	10	10	10	10	10



1.0 API well number: (If not available, leave blank. 14 digits.)	47-099-0961																		
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																		
(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.		72-923																
(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:	12.2 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.)	1 2 8 3 - . - - -	0 0 5 1 - . - - -	0 0 0 3 - . - - -	1 3 3 6 - . - - -															
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2 . 2 4 3	0 . 3 0 2	0 . 0 - - -	2 . 5 4 5															
9.0 Person responsible for this application:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%; text-align: center;">Agency Use Only</td> <td colspan="3">William C. Charlton Name</td> <td>Division Counsel Title</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency</td> <td colspan="4" style="text-align: center;"><i>William C. Charlton</i> Signature</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> <td colspan="2" style="text-align: center;">02 / 28 / 79 Date Application is Completed</td> <td colspan="2" style="text-align: center;">(304) 342-8166 Phone Number</td> </tr> </table>				Agency Use Only	William C. Charlton Name			Division Counsel Title	Date Received by Juris. Agency	<i>William C. Charlton</i> 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	<i>William C. Charlton</i> Signature																		
Date Received by FERC	02 / 28 / 79 Date Application is Completed		(304) 342-8166 Phone Number																

ARTICIPANTS:

DATE:

BUYER-SELLER CODE

WELL OPERATOR: Industrial Gas Corporation

009283

FIRST PURCHASER: Houdaille Industries, Inc.

OTHER:

Qualifies Section 108, straggles well
Robert D. ...

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

790228-108-099-0961

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. _____
- 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 2 years
- 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 Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
- 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date ~~Completed~~ Commenced: 4-9-55 Deepened _____
date frac: 6-2-55
- (5) Production Depth: 1438-1608'; 2052-2208'; 2638-3160'
- (5) Production Formation: Big Line Sand, Grey Injun. Slate, Br. Shale, Berea, Gritty Shale
- (5) Initial Potential: F.O.F.: slaty, Br. shale, limey shale.
86 mcfD
- (5) Static R.P. after frac: 266 - 48 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{11572}{364} = 31.8$ Mcf
- (8) Avg. Daily Gas from 90-day ending w/1-120 days: $\frac{2840}{85} = 33.4$ Mcf
- (8) Line Pressure: 35 PSIG from Daily Report
- (5) Oil Production: No From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: No 02/09/2024
- (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, 1979
Operator's Well No. 72-923
API Well No. 47 - 099 - 0961
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 897.66'
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.


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.

02/09/2024

Charlotte I. Mathews
Notary Public

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

Date February 28, 1979

Operator's Well No. 72-923

API Well No. 47 - 099 - 0961
State County Permit

Previous File No. NA
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Industrial Gas Corporation

DESIGNATED AGENT William C. Charlton

ADDRESS P. O. Box 1473
Charleston, W. Va. 25325

ADDRESS P. O. Box 1473
Charleston, W. Va. 25325

Gas Purchase Contract No. * _____ and Date _____
(Month, day and year)

Meter Chart Code R0002

Name of First Purchaser * _____

(Street or P. O. Box)

(City)

(State)

(Zip Code)

FERC Seller Code 009283

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 108 Category Code NA
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

(*See FERC-121 Addendum "A")

William C. Charlton Division Counsel

Name (Print) Title

William C. Charlton
Signature

P. O. Box 1473
Street or P. O. Box

Charleston, W. Va. 25325
City State (Zip Code)

(304) 342-8166
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

See Separate Certificate 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 _____ 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 _____ day of _____, 19____, 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

William C. Charlton
Director

Date received by
Jurisdictional Agency _____

By _____
Title _____

02/09/2024

IV-39-WC

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

ANNUAL REPORT OF MONTHLY PRODUCTION-197A
GAS VOLUMES IN MFC 2 14.73
OIL IN DARRELLS 2 60 DEGREES
10' 18

OPERATOR : Industrial Gas Corporation

REPORT NO. CCA101P1 PG 00002
CURRENT DATE - 2/28/79
REPORT DATE - 2/28/79

API	FARM I	Wilson Coal	72-923	COUNTY	Wayne	AVG. FLOW PRESSURE	38	SHUT-IN PRESSURE	NA	TOTALS
GAS MFC	1223	1320	1093	1203	1153	1037	1513	1042	1292	14119
OIL BBL	J-	F-	M-	A-	M-	J-	A-	0-	H-	OIL
DAYS ONLINE	30	34	27	31	32	29	37	28	31	365

1977

API	FARM I	Wilson Coal	72-923	COUNTY	Wayne	AVG. FLOW PRESSURE	35	SHUT-IN PRESSURE	NA	TOTALS
GAS MFC	1360	1136	1071	1156	909	781	796	1026	949	11572
OIL BBL	J-	F-	M-	A-	M-	J-	A-	0-	H-	OIL
DAYS ONLINE	34	30	27	31	32	29	31	27	30	364

1978

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 47-099-1321; 47-099-0340; 47-099-0341; 47-099-0342; 47-099-0490; 47-099-0516; 47-099-0633;
 47-099-0397; 47-099-0210; 47-099-0230; 47-099-0560; 47-099-0753; 47-099-0761; 47-099-0792; 47-099-0793;
 47-099-1466; 47-099-1487; 47-099-1488; 47-099-1490; 47-099-1491; 47-099-1495; 47-099-1500; 47-099-1507;
 47-099-0049; 47-099-0036; 47-099-0193; 47-099-0312; 47-099-0328; 47-099-0330; 47-099-0347; 47-099-0382;
 47-099-0409; 47-099-0434; 47-099-0487; 47-099-0584; 47-099-0819; 47-099-0820; 47-099-0871; 47-099-0853;
 47-099-0856; 47-099-0862; 47-099-0961; 47-099-0981; 47-099-1274; 47-099-0790; 47-099-0634; 47-099-0019;
 47-099-0001; 47-099-0037; 47-099-0041; 47-099-0021; 47-099-0015; 47-099-0013; 47-099-0053; 47-099-1548;
 47-099-1550; 47-099-1551; 47-099-0043; 47-099-0038; 47-099-0050; 47-099-0877; 47-099-0066; 47-099-0247;
 47-099-0253; 47-099-0260; 47-099-0854; 47-099-1291; 47-099-0972; 47-099-1486; 47-099-1464; 47-099-1499;
 47-099-1508; 47-099-0561; 47-099-0598; 47-099-0304; 47-099-0798; 47-099-0824; 47-099-0838; 47-099-0641;

02/09/2024



099-961

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).

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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.

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
47-005-0675
47-005-0676
47-005-0808
47-005-0809
47-005-0924
47-005-1009

47-043-0183
47-043-0695
47-043-1110
47-043-1168
47-043-1171
47-043-1405
47-043-1409

47-045-0166

Three (3) other wells in the area
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
47-005-0371
47-005-0505
47-005-0842

47-005-0847
47-005-0851
47-005-0862
47-005-0875

This group also used Log No.
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

1.0 API well number: (If not available, leave blank. 14 digits.)	47- 099 - 0961			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107	N/A		
	Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3160 feet			
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		000728	
	Name		Seller Code	
	P. O. Box 628			
	Street			
	Charleston	WV	25322	
	City	State	Zip 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:			
		OCS Lease Number		
	Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wilson Coal 72-923			
(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.		018629	
	Name		Buyer Code	
(b) Date of the contract:	0 8 1 7 7 9			
	Mo. Day Yr.			
(c) Estimated annual production:	10 MMcf.			
		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
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		Regional Manager	
Agency Use Only	Name		Drilling & Prod.	
Date Received by Juris. Agency	Signature		Title	
Date Received by FERC	October 13, 1981		(304) 344-8355	
	Date Application is Completed		Phone Number	

PARTICIPANTS:

DATE: FEB 14 1982

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 ¹⁰¹ ~~102099~~ = 0961
 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: 4-9-55 Date completed 5-28-55 Deepened
- (5) Production Depth: 1438-1608, 2096, 2171, 2797, 2877-3139
- (5) Production Formation: Big lime, Slate, Berea, slate, Br. Shale
- (5) Final Open Flow: 86 MCF
- (5) After Frac. R. P. 266 # 48 hrs.
- (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 02/09/2024
- Additional information Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

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

Operator's Well No. Wilson Coal 72-923

API Well No. 47 - 099 - 0961
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT James R. Cramblett
ADDRESS P. O. Box 628
Charleston, WV 25322

WELL OPERATOR Cabot Oil & Gas Corp.
ADDRESS P. O. Box 628
Charleston, WV 25322

LOCATION: Elevation 897.66'
Watershed N/A
Dist. Lincoln County Wayne Quad. Naugatuck

GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P. O. Box 2511
Houston, TX 77001

Gas Purchase Contract No. GSC140
Meter Chart Code N/A
Date of Contract 8/17/79

* * * * *

Date surface drilling began: April 9, 1955

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

$$BHP = P_1 + P_1(eGL/53.34T_{-1})$$

$P_1 = 194.7$ PSIA $BHP = 207.7$ PSIA
 $T = 87^\circ$
 $G = .69$
 $L = 2669'$

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 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. 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.

02/09/2024

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
Category Code

- (1) Initial determination (See FERC Form 121.) Section of NGPA
- (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 day of , 19 , 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.

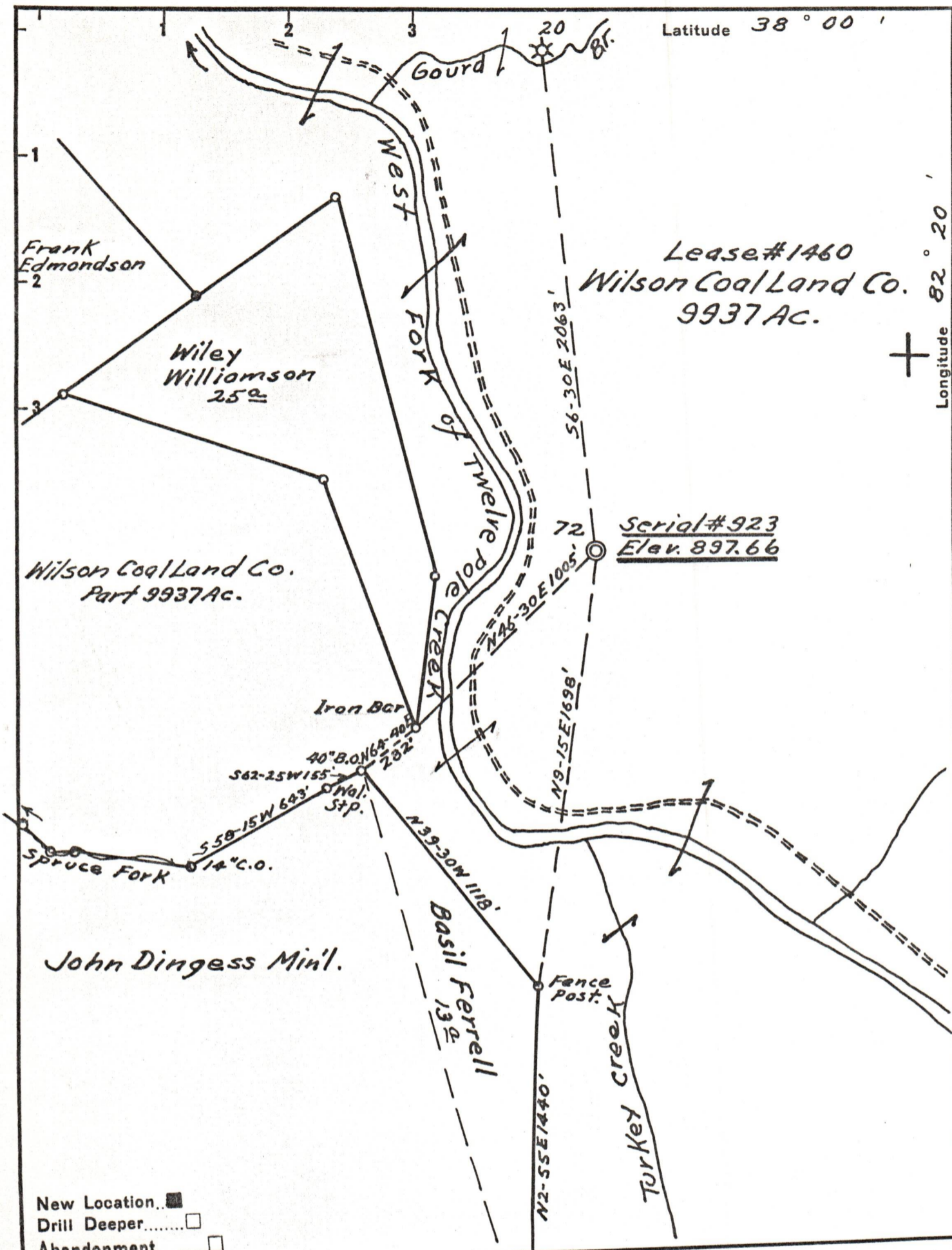
WEST VIRGINIA DEPARTMENT OF MINES

OCT 13 1981

Date received by Jurisdictional Agency

By J. E. Murray Director
Title

02/09/2024



Latitude 38° 00'

Longitude 82° 20'

Lease # 1460
Wilson Coal Land Co.
9937 Ac.

Serial # 923
Elev. 897.66

Frank Edmondson
Wiley Williamson
25^{ac}

Wilson Coal Land Co.
Part 9937 Ac.

John Dingess Min'l.

Basil Ferrell
13^{ac}

- New Location
- Drill Deeper
- Abandonment

Company Owens, Libbey-Owens Gas Dept.
 Address Box 4158 Charleston W. Va.
 Farm Wilson Coal Land Co.
 Tract _____ Acres 9937 Lease No. 1460
 Well (Farm) No. 72 Serial No. 923
 Elevation (Spirit Level) 897.66
 Quadrangle Navigatuck 2 S 2.77" W 033
 County Wayne District Lincoln
 Engineer T.S. Flournoy
 Engineer's Registration No. 269
 File No. _____ Drawing No. _____
 Date March 29, 1955 Scale _____

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

WELL LOCATION MAP
FILE NO. WAY-961

02/09/2024

+ 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.