



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
State Conservation Commission
Charleston 5, W. Va.
ADDRESS

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

COAL OPERATOR OR COAL OWNER
ADDRESS

July 20, 19 48
PROPOSED LOCATION
Lincoln District

OWNER OF MINERAL RIGHTS
ADDRESS

Wayne County
Well No. OLO 782 - Farm No. 50 ^{38° 00'} _{81° 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 H. Rummel 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.

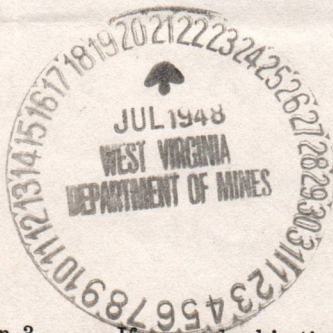
(The next paragraph is to be completed only in Department's copy.)

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 XXX before, ~~on~~ 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, W. Va. **11/17/2023**
CITY OR TOWN
STATE

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.



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.

W. O. Box 1155, Charleston, W. Va.

NAME OF WELL OPERATOR

W. O. Box 1155, Charleston, W. Va.

NAME OF COAL OWNER

State Conservation Commission

PROPOSED LOCATION

NAME OF COAL OWNER

District

Lincoln

ADDRESS

County

Wayne

OWNER OF MINERAL RIGHTS

Well No. 1155 - 1155

Wayne Coal and Oil Co., Inc.

ADDRESS

Operator:

The undersigned well operator is entitled to drill upon the above named land or tract of land for oil and gas having located thereon, for as the case may be, a proposed location of a well.

The location of the proposed well is shown on the attached map and is located on the land owned by the State Conservation Commission, Lincoln District, Wayne County, West Virginia.

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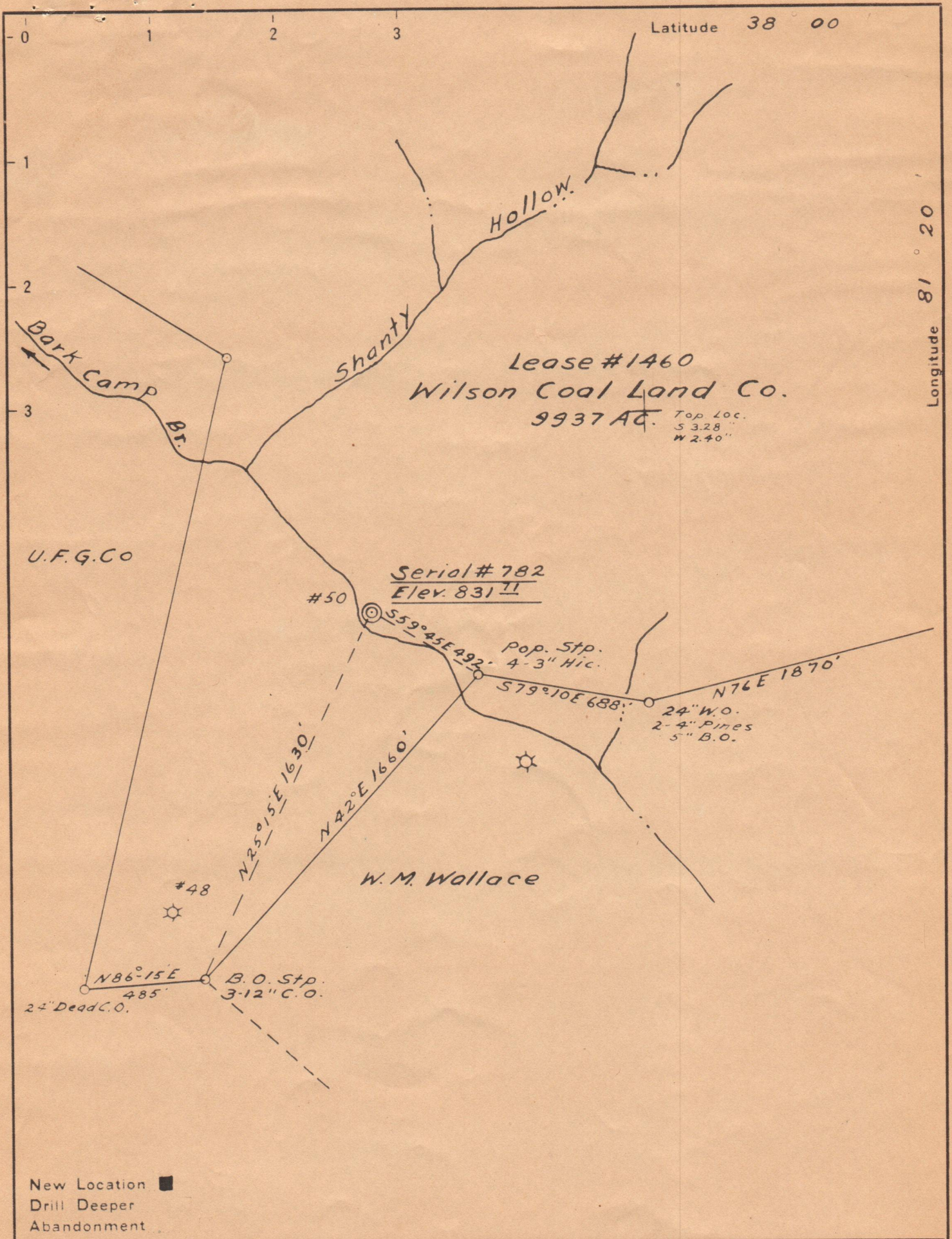
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11/17/2023



New Location ■
 Drill Deeper
 Abandonment

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. *50* Serial No. *782*
 Elevation (Spirit Level) *831 II*
 Quadrangle *Naugatuck 2-53.28"W 2.40"*
 County *Wayne* District *Lincoln*
 Engineer *T. S. Flournoy*
 Engineer's Registration No. *269*
 File No. _____ Drawing No. _____
 Date *Jul. 19, 1948* Scale *1-in. = 500ft.*

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

WELL LOCATION MAP

FILE NO. _____

11/17/2023

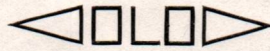
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

A-10

OWENS, LIBBEY-OWENS GAS DEPARTMENT

CHARLESTON 4, WEST VIRGINIA



July 20, 1948

Department of Mines
Oil and Gas Division
State of West Virginia
Charleston - 5 - W. Va.

Gentlemen:

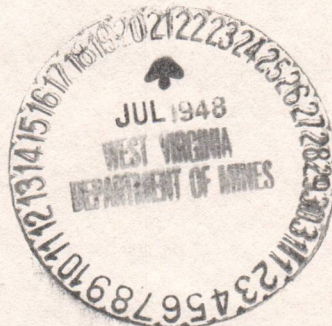
We enclose Notice of Proposed Location to drill our Well No. 782 which will be Farm Well No. 50 on the Wilson Coal Land Company tract situated in Lincoln District, Wayne County, West Virginia.

Will you please issue to us a permit to drill this well?

Very truly yours,

A. H. McClain
Geologist

AHMcC:jt



A-11

July 31, 1948

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

Gentlemen:

Enclosed is permit WAX-598 to drill Well
No. 782-50 on the Wilson Coal Land Company Farm,
Lincoln District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

GME:K
Encl-2

CC: Inspector D. E. Lawson

11/17/2023

A-12

December 26, 1954

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

Gentlemen:

Enclosed is permit WAY-598-D to drill
deeper Well No. 50, Serial 782 on the Wilson Coal Land
Company Tract, Lincoln District, Wayne County.

Very truly yours,

Administrative Assistant
OIL AND GAS DIVISION

MG:g
encl

cc: Mr. O. C. Allen, Inspector
Oil and Gas Wells

Mr. R. C. Tucker, Assistant
State Geologist

11/17/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Wayne

WELL RECORD

Permit No. Wayne-598

Oil or Gas Well Gas
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT
Address P. O. Box 4158, Charleston 4, W.Va.
Farm Wilson Coal Land Company Acres 9,937
Location (waters) Bark Camp Branch
Well No. OLO #782, Farm #50 Elev. 831.71
District Lincoln County Wayne
The surface of tract is owned in fee by _____
Address _____
Coal State of West Virginia
Mineral rights are owned by State Conservation Commission
Address Charleston 5, W.Va.
Drilling commenced 8-11-1948
Drilling completed 10-18-1948
Date Shot 10-25-48 From _____ To _____
With 1,000 Gal. acid
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 1,859 M Cu. Ft.
Rock Pressure 473 lbs. 38 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>Oilwell</u>
16			<u>Wall & Anchor</u>
13			Size of _____
10	<u>315'</u>	<u>315'</u>	<u>3 x 6-5/8 x 16</u>
8 1/4	<u>1140'</u>	<u>1140'</u>	Depth set _____
6 5/8	<u>1361'</u>	<u>1361'</u>	<u>1405 - 1411</u>
5 3/16			Perf. top _____
3	<u>1454'</u>	<u>1454'</u>	Perf. bottom _____
2			Perf. top _____
Liners Used			Perf. bottom _____

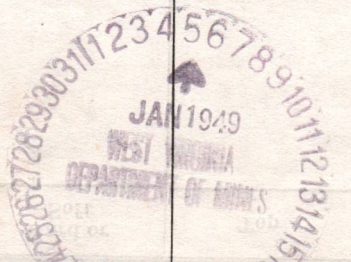
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	----	----	0	11			
Sand	----	----	11	83			
Slate	----	----	83	110	Water	103'	Top was 25'.
Sand	White	Hard	110	188	Water	165'	Top was 15'.
Slate	White	Soft	188	199			
Sand	White	Hard	199	256			
Slate	Blue	Soft	256	315			
Slate	Dark	Soft	315	354			
Shell	White	Hard	354	364			
Slate	Dark	Soft	364	731			
Sand	White	Med.	731	835			
Slate	Dark	Med.	835	887			
Black Slate	Dark	Soft	887	897			
Salt Sand	White	Hard	897	1033	Water	941'	3 Blr. Hr.
Slate & Shells	Dark	Med.	1033	1090	Water	1014'	3 Blr. Hr.
Slate	Dark	Med.	1090	1116			
Slate & Shells	Dark	Hard	1116	1133			
Slate	Dark	Hard	1133	1140			
Slate	----	Med.	1140	1188			
Slate & Shells	Dark	Med.	1188	1212			
Maxton Sand	Gray	Hard	1212	1243	Gas	1213-18	50 M
Slate	Light	Soft	1243	1245			
Slate & Shells	----	----	1245	1280			
Lime Shells	----	----	1280	1303			
			1303	1324			
Little Lime			1324	1340			
Big Lime	----	----	1340	1454	Test	1361'	19 M
Total Depth				1454	Gas	1446'	546 M
					Gas	1449'	736 M

11/17/2023

Test after treated with Acid
1 Hr. after - 1,931 M
2 Hrs. after - 1,859 M





STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 10

Quadrangle Waughtuck

WELL RECORD

Permit No. Way-598-D

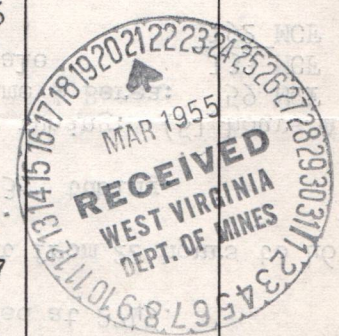
Oil or Gas Well Gas
(KIND)

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. 50 (Serial #782) Elev. 831.71
 District Lincoln County Wayne
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by Owens, Libbey-Owens Gas Dept. 6%
 Address _____
 Drilling commenced Deeper 1/4/55
 Drilling completed 1/26/55
 Date Shot 2/1/55 From 2221 To 3030
 With 7850# Detonite
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume B.L. and Ber. 59 M; Br. Shale 210 M Cu. Ft.
 Rock Pressure Br. Shale 282 lbs. 141 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			<u>O.W.S. Hookwall</u>
13			Size of
10			<u>6-5/8" x 3 1/2" x 16"</u>
8 1/4			Depth set
5 3/16			<u>2140 to 2144</u>
3 1/2"	<u>1458'</u>	<u>Pulled</u>	Perf. top
3 1/2"	-	<u>2144</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	White	Hard	1454	1523	Pulled tubing.		
Injun	Red	Med.	1523	1543	Test after bailing hole		dry at 1454, 133 M
Injun	Grey	Hard	1543	1575	18/10 W 2" =		
Sl. & Shells	Grey	Med.	1575	1585			
Slate	Grey	Soft	1585	1604			
Sl. & Shells	Light	Med.	1604	1624			
Slate	Light	Soft	1624	1787			
					Test, 1719		59.6 M
Sl. & Shells	Grey	Med.	1787	1801			
Slate	Grey	Soft	1801	2040			
Br. Shale	Brown	Soft	2040	2069			
Berea	Grey	Hard	2069	2160			
Slate	Light	Hard	2160	2162			
					Test, 2060		45.7 M
					Gas, 2079		65 M
					Test, 2088		64.6 M
					Gas, 2094		67 M
					Test, 2182		51.4 M
					Gas, 2226		53.1 M
Br. Shale	Brown	Soft	2162	2207			
Br. Shale	Brown	Soft	2207	2240			
Sl. & Shells	Grey	Med.	2240	2255			
Slate	Grey	Soft	2255	2284			
Sl. & Shells	-	-	2284	2307			
Slate	-	-	2307	2418			
Sl. & Shells	Grey	Med.	2418	2455			
Slate	Grey	Soft	2455	2482			
Sh. & Shells	Brown	Med.	2482	2532			
Shale	Brown	Soft	2532	2557	Test, 2557		45.7 M
Sl. & Shells	Brown	Soft	2557	2572			
Shale	Brown	Soft	2572	2632	Gas, 2602		48.3 M
Slate	Grey	Soft	2632	2688			
Sl. & Shells	Light	Med.	2688	2720			
Shale	Brown	Soft	2720	2817	Test, 2741		48.3 M
Sh. & Shells	Brown	Med.	2817	2847	Gas, 2751		208 M
Shale	Brown	Soft	2847	2952			
Shell	Brown	Hard	2952	2958			
Shale	Brown	Soft	2958	3015	Test, 2955		144 M
Slate	Light	Soft	3015	3035	Gas, 2968		160 M



11/17/2023

RECEIVED JUN 22 1981

FERC-121

OIL & GAS DIVISION
DEPT. OF MINES

1.0 API well number: (If not available, leave blank. 14 digits.)	47-099 - 0598			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ 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 P. O. Box 628 Street Charleston			Seller Code
		City	State	Zip Code
		WV	25322	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Lincoln Field Name		WV 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 Land 50-782			
(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 Company			018629
		Name		
		Buyer Code		
(b) Date of the contract:	0 8 1 7 7 9 Mo. Day Yr.			
(c) Estimated annual production:	21.5 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.)	3 0 1 2	0 4 6 9	+ 0 1 0	3 4 9 1
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	3 0 1 2	0 4 6 9	+ 0 1 0	3 4 9 1
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
JUN 22 1981	June 22, 1981			(304) 344-8355
Date Received by FERC	Date Application is Completed			Phone Number

FT7900806/2-2

11/17/2023

JUL 31 1981

PARTICIPANTS:

DATE: _____

BUYER-SELLER CO

WELL OPERATOR: Cabot Oil Gas Corp.

000728

FIRST PURCHASER: Tennessee Gas Pipeline Company

018629

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
81-6-22-108-099 = 0598
 Use Above File Number on all Communications
 Relating to Determination of this Well

rework
~~Deferred for 12 months production to include 90 day period~~
 Qualifies J. H. Hurray

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. _____
- 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 1 years
- 8. IV-40 90 day Production 91 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: 8-11-48 Date completed 10-18-48 Deepened 1-26-55
- (5) Production Depth: 2060-2226 2968-81
- (5) Production Formation: Big lime + Berea, Be. Shale,
- (5) Final Open Flow: Big lime + Berea 39 MCF, 210 MCF
- (5) After Frac. R. P. 282 # 141 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: $\frac{3466}{365} = 36.8$ MCF No Oil
- (8) Avg. Daily Gas from 90-day ending w/1-120 days $\frac{3431}{91} = 37.7$ MCFD: no oil
- (8) Line Pressure: 43 # 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 11/17/2023
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

Describe the search made of any records listed above:

A well by well review of production records, test data and drilling records was made by company personnel. When required for further substantiation, other records were examined.

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

AFFIDAVIT

I, James R. Cramblett, 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.

T James R. Cramblett

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 James R. Cramblett, whose name is signed to the writing above, bearing date the 22nd day of June, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 22nd day of June, 1981.

My term of office expires on the 5th day of March, 1989.

11/17/2023

Lorene Miller
Notary Public

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

Date June 22, 1981

Operator's Well No. Wilson Coal 50-782

API Well No. 47 - 099 - 0598
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT James R. Cramblett

ADDRESS P. O. Box 628

Charleston, WV 25322

WELL OPERATOR Cabot Oil & Gas Corporation

LOCATION: Elevation 831.71

ADDRESS P. O. Box 628

Watershed N/A

Charleston, WV 25322

Dist Lincoln County Wayne Quad. Naugatuck

GAS PURCHASER Tennessee Gas Pipeline Co.

Gas Purchase Contract No. N/A

ADDRESS P. O. Box 2511

Meter Chart Code R0002

Houston, TX 77001

Date of Contract 8/17/79

* * * * *

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.)

"SEPARATE SHEET ATTACHED"

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:

- Production Records and Royalty Payment Records - Houston, Texas
- Business and Occupation Tax and Ad Valorem Tax Records - Boston, Massachusetts
- Well Test Data and Drilling Records - Charleston, West Virginia

11/17/2023

CABOT CORPORATION

X INDUSTRIAL GAS CORPORATION

REDUCING WELL INVENTORY LIST

Wilson Coal Land Co. Farm _____ Well No. 50 Serial No. 782

County Wayne District Lincoln Formation Lime- Maxton

Casing: 314' of 10 Inch.

1140' of 8 Inch.

1361' of 7 Inch.

Packer - kind: Oilwell Anchor Hookwall

Tubing - Delivery size: 3" - 2144'

Casinghead equipment of Christmas Tree:

Consisting of: (Std. unless unique to industry) Standard

Enhanced Recovery Techniques - equipment, or methods within last twenty-four months.

A. Bailing No Type of Machine _____

Frequency within last twenty-four months _____

B. Plunger No Type _____ Size _____ Installation Date _____

C. Fracturing within last two years No Date _____

Lease or Production Equipment

Separator Yes X No Type _____

Tanks Yes X No Size _____

Flow Lines (Size) 2" Plastic _____ Steel X

Prepared at:

_____ Charleston Office
_____ Glasgow
_____ Danville
X _____ Wayne

_____ Pineville
_____ Sissonville
_____ Grantsville
_____ Oak Hill

11/17/2023



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.

11/17/2023

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 have qualified as 107.
47-005-1009 47-043-1409

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

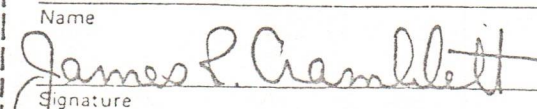
The Office of Oil and Gas further incorporates the Report of the Office and the Findings of Fact and Conclusion of Law dated April 14, 1982, as if the same were fully set forth and includes hereto the Report of the Office and Findings of Fact and Conclusion of Law as a part of this Order.

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

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47- 099 - 0598-D</u>				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>107</u> Section of NGPA		<u>N/A</u> Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>3035</u> feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Cabot Oil & Gas Corporation</u> Name		<u>000728</u> Seller Code		
	<u>P. O. Box 628</u> Street				
	<u>Charleston</u> City		<u>WV</u> State	<u>25322</u> Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Lincoln</u> Field Name				
	<u>Wayne</u> County		<u>WV</u> State		
(b) For OCS wells:	<u>N/A</u>				
	Area Name		Block Number		
	Date of Lease:				
	<u> </u> <u> </u> <u> </u> Mo. Day Yr.		<u> </u> OCS Lease Number		
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Wilson Coal 50-782</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>N/A</u>				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Tennessee Gas Pipeline Company</u> Name		<u>018629</u> Buyer Code		
(b) Date of the contract:	<u>0,8,1,7,7,9</u> Mo. Day Yr.				
(c) Estimated annual production:	<u>17.5</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: (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:	<u>James R. Cramblett</u> Name				
Agency Use Only Date Received by Juris. Agency <u>OCT 13 1981</u>	 Signature		<u>Regional Manager</u> <u>Drilling & Prod.</u> Title		
Date Received by FERC	<u>October 13, 1981</u> Date Application is Completed		<u>(304) 344-8355</u> Phone Number		

11/17/2023

PARTICIPANTS:

DATE: FER 12 1002

WELL OPERATOR: Cabot Oil & Gas Corp.

FIRST PURCHASER: Tennessee Gas Pipeline Co.

OTHER: _____

BUYER-SELLER CODE

000728

018629

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

811013-102099-0598-D

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 80470
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?
17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
28. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- (5) Date commenced: 8-11-48 Date completed 10-18-48 Deepened 14-55
1-26-55
- (5) Production Depth: 2079-94, 2226-2602
- (5) Production Formation: ~~Berea~~ Berea, Br. Shale
- (5) Final Open Flow: 269 MCF
- (5) After Frac. R. P. 282 # 141 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 Repo _____
- (5) Oil Production: _____ From Completion Report _____
17. Does lease inventory indicate enhanced recovery being done NO
17. Is affidavit signed? Notarized? 11/17/2023
- Does official well record with the Department confirm the submitted information? yes
- Additional information _____ Does computer program confirm? _____
- Determination Objected to _____ By Whom? _____

Date October
Operator's Well No. Wilson
API Well No. 47 - 09
State CO

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 831.71'
Watershed N/A
Dist. Lincoln County Wayne
Gas Purchase Contract No. GSC140
Meter Chart Code N/A
Date of Contract 8/17/79

* * * * *
Date surface drilling began: August 11, 1948

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

$$BHP = P_1 + P_1(eGL/53.34T-1)$$

$P_1 = 190.7$ PSIA
 $T = 86^\circ$
 $G = .69$
 $L = 2628$

BHP = 203.3

AFFIDAVIT

I, Paul L. Gebhard, having been first sworn according to law, state that, the well is producing natural gas produced from the fractures, mi and bedding planes of shales deposited during the Paleozoic Devonian Period a generally found in the subsurface of the Appalachian Basin and in the surface crops around its periphery. For the purposes of this statement, Devonian sha 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 the Onondaga limestone formation or its chert equivalent, the top of the Hunte group of carbonates. As shown by the pertinent portion of the gamma ray log a to this filing, the percentage of potentially disqualifying non-shale footage 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 applicati 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 James R. Cramblett, 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.

[NOTARIAL SEAL]

crooked on copy

Lorene Miller
Notary Public
11/17/2023

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:

- (1) Initial determination (See FERC Form 121.) 107 Section of NGPA N/A Category Code
- (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) Drilling & Production 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 Code Phone Number

(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 _____ 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

Director
By J. E. Murray
Title

11/17/2023

IV-39-WC

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

ANNUAL REPORT OF MONTHLY PRODUCTION-197
GAS VOLUMES IN MFC'S 14, 73
OIL IN BARRELS @ 60 DEGREES
OPERATOR Cabot Oil & Gas Corp. - 10 1 18

REPORT NO. CCA101P1 PG 00002
CURRENT DATE - 6/15/81
REPORT DATE - 6/15/81

API 47-099-0598 FARM 1 Wilson Coal 50-782	COUNTY Wayne	AVG. FLOW PRESSURE	SHUT-IN PRESSURE	TOTALS
GAS MFC 1584	1090	1593	1034	
OIL BBL 1981 Jan	Feb	Mar	Apr	OAS
DAYS ONLINE 30	29	32	29	OIL

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

11/17/2023

IV-39-WC

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

ANNUAL REPORT OF MONTHLY PRODUCTION-1977
GAS VOLUMES IN MFC 2 14,73
OIL IN BARRELS 2 60 DEGREES
OPERATOR Cabot Oil & Gas Corp. 10 1 16

REPORT NO. CCA101P
CURRENT DATE 4/6/82
REPORT DATE MAY DEC, 1981
PG 00002

11-17-2023

API 099-0598 FARM 1 WILSON COAL 50-782 COUNTY WAYNE AVD. FLOW PRESSURE 43 SHUT-IN PRESSURE

	1584	1090	1593	1034	804	1397	1568	838	937	899	774	948	TOTALS
GAS MFC	1584	1090	1593	1034	804	1397	1568	838	937	899	774	948	015
OIL BBL	5	E	M	A	Max	June	July	Aug	Sept	Oct	Nov	Dec	011
DAYS ONLINE	30	29	32	29	30	29	31	31	32	30	30	32	

RECEIVED

APR 12 1982

OIL & GAS DIVISION
DEPT. OF MINES

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