

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES OIL AND GAS DIVISION

## NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To 7	HE	DEPARTM	ENT	OF	MINES,
	C	harleston,	W.	Va	

State of West Virginia	Owens, Libbey-Owens Gas Depart	tment
COAL OPERATOR OR COAL OWNER	NAME OF WELL OPERATOR	
Conservation Commission Charleston 5, W. Va.	P. O. Box 4158, Charleston 4,	W. Va.
ADDRESS	COMPLETE ADDRESS	
	April 4,	19 55
COAL OPERATOR OR COAL OWNER	PROPOSED LOCATION	19_22_
	Lincoln	
ADDRESS	HIIIOUII	_District
	Wayne	County
OWNER OF MINERAL RIGHTS		3800
	Well No. 72 (O.L.O. Serial #923)	8202
ADDRESS	Wilson Coal Land Company	
ENTLEMEN:	manori occi actic company	Farm
	dill amon the character is to	
The undersigned well operator is entitled to dr		land for
il and gas, having fee title thereto, (or as the ease-n	R. Rummell Anderson & Inomas H	3.
	y <u>Jackson - Special Commissioner</u>	rs , to
Owens-Illinois Glass Co. & Libbey-Owens-I	Ford Glass Co, and recorded on the 23r	day.
December 1036		
The enclosed plat was prepared by a competent of be drilled for oil and gas by the undersigned well on the drilled for oil and gas by the undersigned well on the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well or the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oil and gas by the undersigned well of the drilled for oi	perator on the farm and in the Magisterial	of a well
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\*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.

MATHEWS PRINTING AND LITHOGRAPHING CO. CHARLESTON, W. VA.

WAY-961

PERMIT NUMBER



STATE OF WEST VIRGISIA.

# DEFARTMENT OF MINES

## NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

Conservantion Complession Check Saton Ave. Va. P. O. Box 1459. Uharluston H. W. Va. Wed No 12 (0.0.0. Serial #923) od and gas, having fee title thereto, (as me the execution of gave has be The above using coal operators of call owners (if any) are notified that any objections doy may desire to make to make to aid grouped focusion, or with they are required to make by Serion 3 at said Code, if the drilling of a well at said proposed location will cause a describe condition in or about their respective containing of a well at said proposed location will cause a describe of their to a bout their respective containing the receipt of the make and accompanying plat by said department. Said coal operators are further notified at any for all an accompanying plat of the furnithed to them by the Ropertment of Mines promptly or request and that all making atthe directions until sections until secondary possible the ground or arequest and that all make objections until location are directions and distance the proposed location should be mayed to evercome same. TWO THAT SAD SMENG-WHAT J. CHEWO 0. Box 11158

"Section 3 N. T. I. I. In which objections be filed on be found by the department of mines, within said period of an days from the resent of suid routes and old by the department of mines to said proposed he stion, the department such that issue to the well operator a dividing period; and then the films of such class, that no objections have been made by the contonerators to the inestion, or found therefor by the department, and that the same is approved and the operator submorized to proceed to drill at said lectrion.

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02/09/2024

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# 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

T. S. Flournoy, Chief Engineer

TSF:ed Enclosures

cc: W. Va. Conservation Commission.



Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Dark	Soft	1300	131.6	Approximation 1		
Maxton Sand	Grey	Hard	1316	1360			
Little Lime	White	Hard	1360	1388	161		
Slate	Blue	Soft	1388	1390	CTM 71.08 -	Sand LM 1406	
Big Lime	Grey	Hard	1390	17/12/2		ng at 1408 or	shoe
Big Lime	Dark	Med.	1414	11438	Gas 1438,	as 1400 or	22.1 M
Big Lime	White	Hard Med.	1577	11600	Gas 1453		29.3 M
Sand Grey Injun	Red	Med.	11600	1709	Test 1521,	A Thirth Pensi	17.5 M
Sl. & Shells	The state of the s	Soft	1709	11727	Gas 1531	13/	24.7 M
Slate	Blue	Soft	1727	1770	Test 1580	LEL OF HILLER	20.7 M
S1. & Shells	Blue	Soft	1770	11810	Gas 1608	PERSTANTAN	31.3 M
Slate	Blue	Soft	1810	1855	food	CELVER	
Si. & Shells	Grey	Med:	1855	1977	100	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13
Lime	Dark	Hard	1977	1993		AL DANGE	3
Slate	Blue	Soft	1993	2006	I No	1/2 1	3/
Sl. & Shells		Med.	2006	2052	Test 2052	Market 18 (1) See	18.6 M
Slate	Grey	Med.	2052	2138	Gas 2091		20.0 M
Br. Shale	Brown	Soft	2138	2146	Test 2152		19.3 M
Berea Sand	Grey	Hard	2146	2192	Gas 2177	T 1 TW 0070	22.7 M
Gritty Shell	Grey	Hard	2192 2208	2208 2220	SLM 2200 =	Sand LM 2210	
Slate	White	Soft Soft	2220	2241			
Slate	Dark Brown	Med.	2241	2291			
Br. Shale	Blue	Soft	2291	2310			
Sl. & Shells		Med.	2310	2376			
Slate	White	Soft	2376	2419			
Lime	Grey	Med.	2419	2436			
Sl. & Shells		Med.	2436	2471			
Slate	Blue	Soft	2471	2548			
Slate	White	Soft	2548	2569			
Slate	Grey	Soft	2569	2603			
Slate	Dark	Soft	2603	2613			
Lime Shells	White	Med.	2613	2625			
Slate	White	Soft	2625	2634	SLM 2638 =	Sand LM 2637	
Br. Shale	Brown	Soft	2634	2733	Test 2652		18.8 M
Slate	Grey	Soft	2733	2835 3040	Gas (?) 269		19.3 M
Br. Shale	Brown Dark	Soft Hard	2835 3040	3064	Gas (?) 273 Test 2762	1	19.8 M
Limey Shale Br. Shale	Brown	Soft	3064	3139	Gas 2797	Round W	19.3 M 20.3 M
Slate	White	Soft	3139	3160	Test 2835	Depth	20.0 M
SHIP MEGALETAN		3600	peet.	2.01	Gas 2877	a LEA	24.1 M
Fresh water 91/6.	955	Total	. Depth	3160	Test 3106 Gas 3139	is her	19.3 M 23.1 M
On Color	OCE	Total Depth	After Shot	31.08	Test 3160		227 7 7/
Rock Pressure.	S	KB 1bs	MO PER			The FEE	60
Volume			86 Ch. F.		Shot 6-2-55	with 7,800#	Detonite from
	Clotha Merc. 1		Inch	COASING CEN		B.S. 23 M	Cr. Date
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With 7800# D	course				15 min	590 MC 213 MC	
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MATHEMS PRINTING AND LITHOGRAPHING CO

Da Da Division	teJune 13,	, 1955
APPROVED OWENS,	LIBBEY-OWENS GAS DEPARTMENT	∠, Owner
Ву	(Title) Geologist	

Sand

Slate

MALTE

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STATE OF WEST VIRGINIA

June 13,

(Tile) Geologist

OIL AND GAS DIVISION // DEPARTMENT OF MINES Quadrangle NAUGATUCK

# WELL RECORD

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INCHES INCHES INCHES Portrom portrom tob	Peri- Peri- No. Ft PEET	Debth IES VL Sής SISE	MCOUNTERED INCH	S = COAL WAS ET PRESTURE Used	Inch 100 86 Cu. Ft. 100 hrs.	To T	F-9-55 S-28-58 S-28-58 Trom tonite 10ths Water in 10ths Mere. in 2955 2355	With 7800# De-
bottom  bottom  Date  INCHES  INCHES	Pert. Pert. Pert. No. Ft	SIZE  SIZE  AT S46	MCOUNTERED INCH	E S/16  COAL WAS ET  CASING CEME  CASING CEME	Sacon, W. Va.  Sacon, W. Va.  Inch  Inch  Lect	Address Charles 7.0 To	F-9-55 From to the Mater is 10ths Merc. is 2955 10ths Merc. is 2955 2355	Drilling commenced Drilling completed Date Shot 6-2- With 7800# De- Wolume Volume Oil Oil Salt water 1248,
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of NCHES  INCHES  INCHES  Of ONCHES  Portom  P	Size 3 - Pert Pert Pert Pert Pert Pert Pert Pert	Debty  IES  VT 576  SIZE  17688.Τω  17608.Γω	OII, Gas  TALED	18   LEET   COAL WAS EI   CASING CEME   8   LEET   2   S   LEET   3   S   LEET   4   CASING CEME   5   CASIN	Salde Cas Deposited Ston, W. Va.  Inch Inch Inch Inch Inch Inch Inch Inc	County Wayne ee by Address Charles Address Charles  Address Charles  Address Charles  Address	t is owned in towned by Owned by Owned by Owned by Owner From tonite  10ths Water in 10ths Water	Well No. 72 (Solution) District Lincoln The surface of trace Mineral rights are of Drilling commenced With 7800# Decompleted.  With 7800# Decompleted of the Shot Solume of the So
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1273 1273

1273 1254 1254

# FERC-121

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 NA Section of NGPA 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   Charleston   WV   25325   City   State   Zip Code	009283 Seller Code
5.0 Location of this well: [Complete (a) or (b).]  (a) For onshore wells  (35 letters maximum for field name.)	NA Field Name Wayne Wounty WV	
(b) For OCS wells:	NA NA Area Name Block Number  Date of Lease: NA Mo. Day Yr. 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 .	Marketing over a specific and burning above particles and
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
(b) Date of the contract:	1,2,2,6,7,3 Mo. Day Yr.	
(c) Estimated annual production:	12.2MMcf.	
	(a) Base Price (b) Tax (c) All Other (\$/MMBTU) 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 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.)	2.243 0.302 0.0	2.545
9.0 Person responsible for this application:  Agenćy Use Only  Date Received by Juris. Agency  Date Received by FERC	William C. Charlton Division  Name  William C Charlton  Title  Signature  02 / 28 / 79  Date Application is Completed  One of the Number of th	Counsel

FORM IV-56WC [12-78]

STATE OF WEST VIRGINIA

02/28 Date\_ \_. 1979 Operator's Well No. 72-923 API Well No. 47 - 0961 099 No. 47 - 099 State County

Permit

DEPARTMENT OF MINES, OIL AND GAS DIVISION

#### WELL CLASSIFICATION FORM

STRIPPER GAS WELL

NGPA Section 108

	DESIGNATED AGENT	William C. Char	lton
	ADDRESS	P. O. Box 1473	
		Charleston, WV	25325
WELL OPERATOR Industrial Gas Corporation	LOCATION: Eleva	sion 897.66'	,
ADDRESS P. O. Box 1473	Watershed	Not Available	
Charleston, WV 25325	Dist.Lincoln	County_ Wayne	Quad. Naugatuck
GAS PURCHASER *		ontract No.*	
ADDRESS	Meter Chart Coo	deR0002	
	Date of Contrac	*	
		e FERC-121 - Add	lendum "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.

FORM IV-56WC (Reverse) [12-78]

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 X. If yes, indicate the type and source of the information.

## AFFIDAVIT

I. Lawrence B. Mentzer, having been first sworm 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.

- 73. 74 f

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 . 1985.

02/09/2024

Thaulatte & Mathews

[NOTARIAL SEAL.]

## STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date Februa	ary 28	19 79
Operator's Well No.	72-923	
API Well No. 47 -	099 County	- <u>0961</u>

STATE APPLICATION F	OR WELL CLASSIFICATION Pro	evious File No. NA (IF Applicable)
WELL OPERATOR Industrial Gas Corporation	DESIGNATED AGENT William	m C. Charlton
ADDRESS P. O. Box 1473		
Charleston, W. Va. 25325	Charleston,	
Can Downsham C		n. va. 23323
Meter Chart Code R0002	(Month, day and year)	
Name of First Purchaser *		
waste of first fulchaser		
(Street o	r P. O. Box)	
(City) (	State) (Zip Cod	ie)
FERC Seller Code 009283	FERC Buyer Code	
TYPE OF DETERMINATION BEING SOUGHT:		
(1) Initial determination (See FERC Form 12		NA Caregory Code
(2) Determination that increased production recovery technology.	is the result of enhanced	
(3) Determination of a seasonally affected to	well.	
**	William C. Charlton	Division Counsel
(*See FERC-121 Addendum "A")	William CEThu	
	Signature P. O. Box 1473	
	Street or P. O. Box	
	Charleston, W. Va. 25	
		Zip Code)
	(304) 342-8166 Area Phone Number	-
(Certificate of Proof of Service to Purchaser)	Code	
See Separate Certificate Attached		
(All of the above to be completed by the Operator	/Applicant)	
(To be completed by Jurisdictional Agency. Execupurchaser, if known).	ted copy to be returned to Ope	erator/Applicant and
The Department of Mines has receive well as meeting the requirements of Section (NGPA): I or for determination that increased punder Section 108 of (NGPA): or for determination	under the Natural G	as Policy Act of 1978.
All interested parties are hereby notify the office of the Oil and Gas Division in Charless be heard there will be a public hearing, if requesting the control of the contr	ied that on the day of ton, West Virginia, or as soon sted, or if objection is filed	thereafter as it may.
This Application is assigned File No.		
Initial review of information submitted entitled to certification as claimed under the Nat and any additional evidence will be made at the transition of the matter may be heard.	rumal Cas Dalian Ass (NCDA)	
Unless objections are timely filed or a days, a hearing will not be held except on ex part go to determination.	request for a hearing is made e motion of the department and	within fifteen (15) d the matter will
	WEST VIRGINIA DEPARTMENT OF M	INES
	p)g. A	ector
	Ву	
Date received by Jurisdictional Agency	Title	02/09/2024

Title \_\_\_\_

- 2/28/79 - 2/28/79	14119
REPORT NO. CCA101111 PG 00002 CURREHT DATE - 2/28/79 REPORT DATE - 2/28/79	1292 1179 0AS 14119 4- 0- 016 365
REPORT RO	SHUT-IH PRESSURE NA 1042 1292 0- H- D- 28 31
	1042 0- H-
DH-197A	134
PRODUCTION 14.7 60 DEGRE oration	1513 A-
MONTHLY MES 1H MF RRELLS D Gas Corp	930 27
AHHUAL REPORT OF MOHTHLY PRODUCTIOH-197A GAS VOLUMES IN MFC 2 14.73 OIL IN DARRELLS 2 60 DEGREES ATOR 1 Industrial Gas Corporation 18	1037 29
ANNUAL REPORT OF MONTHLY PRODUCT GAS VOLUMES IN MFC 2 14. OIL IN DARRELLS 3 60 DEGR OPERATOR ' Industrial Gas Corporation'	COUNTY! Wayne AVG. FLOW PRESSURE 38  03 1153 1037 930 1513 1  M- J- J- J- A- S- 37 37 36
0 P E	31
	J093 M- A
SAS	Wilson Coal 72-923 COUNTY! Wayne AV0 1320 1093 1203 1153 1037 F- M- A- M- J- J- 34 27 31 32 29
IV-39-WC STATE OF WEST VIRGINIA SENATTIENT - MINES SIVISIEN - OIL AND GAS	
STATE OF WEST	47-099-00961 GAS MFC 1223 011 881 J-
1V-3 STAT STAT STAT	4 P. I. CAS 0.1 L. D. J. Y. J. J. J. J. Y. J.

1977

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AVG. FLOW PRESSURE 35	709 796	γ	30 31
AVG. F	781		29
	606	, - W	32
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	6 1071	E	27
	1360 1136	u	1 30
		-	DAYS OHLINE 34
	CAS MFC	011 881	DAYS 0

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; 47-099-0342; 47-099-0490; 47-099-0516; 47-099-0535; 47-099-0516; 47-099-0516; 47-099-0535; 47-099-0516; 47-099-0521; 47-099-0521; 47-099-0521; 47-099-0522; 47-099-0523; 47-099-0521; 47-099-0495; 47-099-0521; 47-099-0495; 47-099-0521; 47-099-0495; 47-099-0530; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-0532; 47-099-05247; 47-099-0523; 47-099-0521; 47-099-0634; 47-099-0634; 47-099-0634; 47-099-0634; 47-099-0635; 47-099-0634; 47-099-0635; 47-09
API NUMBERS 47-099-0321; 47-099-0340; 47-099-0341; 47-099-0542; 47-099-0490; 47-099-0397; 47-099-0210; 47-099-0230; 47-099-0560; 47-099-0753; 47-099-0761; 47-099-0496; 47-099-0491; 47-099-0495; 47-099-1495; 47-099-1495; 47-099-1496; 47-099-0499; 47-099-0434; 47-099-0487; 47-099-0584; 47-099-0584; 47-099-0850; 47-099-0850; 47-099-0861; 47-099
API NUMBERS 47-099-0321; 47-099-0340; 47-099-0341; 47-099-0342; 47-099-0357; 47-099-0210; 47-099-0230; 47-099-0560; 47-099-0753; 47-099-1486; 47-099-1489; 47-099-1490; 47-099-1491; 47-099-1489; 47-099-049; 47-099-0036; 47-099-0193; 47-099-0312; 47-099-0858; 47-099-0487; 47-099-0584; 47-099-0584; 47-099-0851; 47-099-0861; 47-099-
API NUMBERS 47-099-0340; 47-099-0340; 47-099-0341; 47-099-0397; 47-099-0210; 47-099-0230; 47-099-0560; 47-099-1466; 47-099-1487; 47-099-1488; 47-099-1490; 47-099-0409; 47-099-0036; 47-099-0193; 47-099-0312; 47-099-0409; 47-099-0434; 47-099-0487; 47-099-0584; 47-099-0865; 47-099-0862; 47-099-0961; 47-099-0981; 47-099-1550; 47-099-037; 47-099-0041; 47-099-0038; 47-099-1550; 47-099-1551; 47-099-0854; 47-099-1291; 47-099-150; 47-099-0561; 47-099-0588; 47-099-0389;
API NUMBERS 47-099-1321; 47-099-0340; 47-099-039-030; 47-099-0230; 47-099-1487; 47-099-1488; 47-099-1487; 47-099-1488; 47-099-0409; 47-099-0036; 47-099-1488; 47-099-0409; 47-099-0434; 47-099-0862; 47-099-0487; 47-099-0001; 47-099-0862; 47-099-0041; 47-099-1550; 47-099-1551; 47-099-0864; 47-099-1508; 47-099-0561; 47-099-0598;
API NUMBERS 47-099-1321; 47-099-0397; 47-099-1466; 47-099-0210; 47-099-0409; 47-099-0036; 47-099-0409; 47-099-0434; 47-099-0856; 47-099-0862; 47-099-1550; 47-099-1551; 47-099-150; 47-099-1551; 47-099-1508; 47-099-0260;
API NUMBERS 47-099-0397; 47-099-0409; 47-099-0409; 47-099-0856; 47-099-0801; 47-099-1550; 47-099-1550; 47-099-150;

02/09/2024



# State of Mest Mirginia 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 )

SECTION 107 OF CERTAIN WELLS IN )

BOONE, KANAWHA, LINCOLN, LOGAN )

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.

GROUP I	Log No. 47-099-1697 as Exhibit No. 3 1% Non-Shale
47-099-0043 47-099-0341 47-099-0342 47-099-0490 47-099-0561	47-099-0598 47-099-0961 47-099-1274 47-099-1490
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  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 This group also used Log No. 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

Bv:

Thomas E. Huzzey, Administrator

1.0 API well number: (If not available, leave blank. 14 digits.)	47- 099 - 0961 - 1991	
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	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.)	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  Name P. O. Box 628  Street Charleston 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 County State WV State	-
(b) For OCS wells:	N/A  Area Name  Date of Lease:  Mo. Day Yr.  OCS Lease Number	,
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wilson Coal 72-923	
¹ (d) If code 4 or 5 in 2.0 abbore, 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 Buyer Code
(b) Date of the contract:	0 8 1, 7, 7, 9, Mo. Day Yr.	
(c) Estimated annual production:	10	
	(a) Base Price (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:  Agency Use Only  Date Received by Juris. Agency  OCT 131981  Date Received by FERC	James R. Cramblett  Name  Partial Drilling Title  Signature  October 13, 1981  Date Application is Completed  Regional Drilling Title  (304) 344-8355	
	Date Application is completed Prione Number	

PARTICIPANTS:	BUYER-SELLER COD
WELL OPERATOR: Cabot O:14 Gas Corp.	060728
FIRST PURCHASER: Tennessee Gas Pipeline Co.	018620
OTHER:	
A A A A A A A A A A A A A A A A A A A	The second secon
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER	
811013 1072099 = 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.	11. 74
1. FERC −121 Items not completed - Line No. All 8.0	The same of the sa
2. IV-1 Agent 1 James R. Cramble-	
3. IV-2 Well Permit	
4. IV-6 Well Plat	
5. IV-35 Well Record Drilling Deeper	
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? /	
0-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete?	Affidavit Signed /
8-28. Other: Survey Logs Geological Charts	
Structure Map 1: 4000 Map Well Gas Analyses	Tabulations
(5) Date commenced: 4.9.55 Date completed 5-28-55 Dee	pened
(5) Production Depth: 1438-1608 2091, 2171, 2797, 28	77-3139
(5) Production Formation: Big lime, Slate, Bereg 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	Deriver Statement
(8) Line Pressure:	PSIG from Daily Repo
(5) Oil Production: From Completion Report	
)-17. Does lease inventory indicate enhanced recovery being done ${\cal No}$	
0-17. Is affidavit signed?	
pes official well record with the Department confirm the submitted informa	
ditional information Does computer program confirm?	J
s Determination Objected toBy Whom?	
	Te

TS: DATE:

PARTICIPANTS:

BUYER-SELLER COD

### STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Dat		Oct	ober	13	198
Ope Wel	rator 1 No.	s W	ilson	Coal	72-923
API No.	Well 47	_	099	-	0961
	State	2	Count	У	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.	LOCATION: Elevation 897.66'
ADDRESS P. O. Box 628	Watershed N/A
Charleston, WV 25322	Dist.Lincoln County Wayne Quad. Naugatuck
GAS PURCHASER Tennessee Gas Pipeline Co. ADDRESS P. O. Box 2511	Gas Purchase Contract No. GSC140
Houston, TX 77001	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 BHP = $P_1$ + $P_1$ (eGL/53.34T_1) $P_1$ = 194 T = 87°	
G = .69 L = 260	99)
AFFIDAVIT	
and bedding planes of shales deposited of generally found in the subsurface of the crops around its periphery. For the purdefined as that shale stratigraphic into Mississippian Berea Sand or, if absent, the Onondaga limestone formation or its group of carbonates. As shown by the peto this filing, the percentage of potent equal to or less than the five percent (	e Appalachian Basin and in the surface out rooses of this statement, Devonian shale is erval that lies between the base of the that of the Osage Series, and the top of chert equivalent, the top of the Huntersville ertinent portion of the gamma ray log attached cially disqualifying non-shale footage is 5%) of the gross Devonian age producing aformation not included in the application that the well qualifies as a high-cost
	Taul L. Gethard. Geologist
STATE OF WEST VIRGINIA,	Geologist
COUNTY OF Kanawha , TO WIT:	
Lorene Miller	ary Public in and for the state and county aforesaid.
do certify that Paul L. Gebnard, whose name	e is signed to the writing above, bearing date
the 13th <sub>day of</sub> October , 1981, has a aforesaid.	acknowledged the same before me, in my country
	this 13th day of October . 1981.
My term of office expires on the 5th	
	Para = 400 100
[NOTARIAL SEAL]	Notary Fublic

Operator's Wilson Coal 72-923

API Well No. 47 - 099 - 0961

State County Permit

# STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. N/A (If Applicable)

WELL OPERATOR Cabot Oil & Gas Corporation Designated Agent Sames R. Crambteet	
ADDRESS P. 0. Box 628  ADDRESS P. 0. 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 (Street or P. O. Box) 77001	
(City) (State) (Zip Code)	
FERC Seller Code 000728 FERC Buyer Code 018629	
TYPE OF DETERMINATION BEING SOUGHT: 107 N/A	_
(1) Initial determination (See FERC Form 121.) Section of NGPA Category Code  (2) Determination that increased production is the result of enhanced recovery technology.  Regional Manager	
(3) Determination of a seasonally affected well.  James R. Cramblett  Drilling & Production of a seasonally affected well.  Drilling & Production of a seasonally affected well.	ction
gignature , Namuel	
(A. O. Box 628	
Street or P. O. Box Charleston WV 25322	
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).	
for certification of the above descr	ibed
well as meeting the requirements of Section (NGPA); or for determination that increased production is the result of enhanced recovery technol (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, 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 evide and any additional evidence will be made at the time appointed for a public hearing or as soon therea as the matter may be heard.	nce fter
Unless objections are timely filed or a request for a hearing is made the matter will 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 131981	
UUI 101001	-
Date received by	-
Jurisdictional Agency	

02/09/2024

