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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.	
Etta R. Pritchard et. al.	OWENS, LIBBEY-OWENS GAS DEPARTMENT NAME OF WELL OPERATOR
Wayne, West Virginia	P. O. Box 1158, Charleston 1, W. Va.
	March 11, 19 5h
COAL OPERATOR OR COAL OWNER	PROPOSED LOCATION
ADDRESS	District
Same as coal	Wayne
OWNER OF MINERAL RIGHTS	Wayne County 38° 20
	Well No. 4 (O.L.O. Serial No. 902) 82° 20'
GENTLEMEN:	Etta R. Pritchard et. al. Farm
oil and gas, having fee title thereto, (or as the case	rill upon the above named farm or tract of land for
1917 made h	by Etta R. Pritchard et. al. to
Owens-Tilinois Glass Co., & Libbey-Owens	Ford Glass Co
of October, 19/17 ,ir	the office of the Court Classification the
Book 36 , page 271 .	The office of the County Clerk for said County in
and County above named, determined by survey and land marks. The undersigned well operator is informed and of coal beneath said farm or tract of land on which sa aries of the same, who have mapped their workings.	believes there are no coal operators operating beds aid well is located, or within 500 feet of the bound-
	if any) are notified that any objections they may are required to make by Section 3 of said Code, if see a dangerous condition in or about their respective ment of Mines within ten* days from the receipt of epartment. Said coal operators are further notified turnished to them by the Department of Mines promptly
(The next paragraph is to be completed only i	in Department's copy.)
West Virginia.	mailed by registered mail, or delivered to the above town respective addressdayda
	OWENS, LIBBEY-OWENS GAS DEPARTMENT
1011121370	WELL OPERATOR
Address]	P. O. Box 4158,
MAR 1954 Well Operator WEST VIRGINIA REPARTMENT OF MINES	Charleston - h -
WEST VIRGINIA 28	CITY OR TOWN 02/09/2024
(S) DITUILING	West Virginia
*Section 3 If no such objections be filed or be fitten days from the receipt of said notice and plat by the department shall forthwith issue to the well operator a drilling penhave been made by the coal operators to the location, or for approved and the well operator authorized to proceed to drive	ound by the department of mines, within said period of rtment of mines, to said proposed location, the department reciting the filing of such plat, that no objections



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DEPARTMENT OF MINES

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

Even H. Protectioned et. al. WINE, EIBJEY-DUTES CAS DERRIENENT P. O. Mor 1158, Charleston . W. Ye. wayne, west Virginia 12 of 11, 10 Si Well No. A (O.L.). Serial No. 902) S the L. Princhard et. al. of and gas, having its title therete. (or as the case may be) under great or lease deted. Ochologr. 6. the de transfirst at atta vector Owens-Tilinois disso you, & Labboy-Owens-Ford whees count contents about Tiles hay abod antituters a citerers, true on the earlier small but boardally er folgring the benefitted will be board at to test 0.00 active to have of a like bias follow as board to tree of the disposal become at participant of the course of the same at the same and boards are considered at the same at the same at the same of the course of the same at the same at the same of the same at the same of the same CHARLES, LIBBET-CWAME CAS DEPARTMENT P. C. BOX 4358, - d - modes framo 02/09/2024

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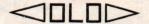
water tall the time arrays at 1975 to

OWENS, LIBBEY-OWENS GAS DEPARTMENT

5793 MACCORKLE AVENUE

P. O. BOX 4158

CHARLESTON 4, WEST VIRGINIA



March 11, 1954

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

Gentlemen:

T F I

We are submitting an application for a permit to drill well No. 4 on our Etta R. Pritchard et al lease, situated in Union District, Wayne County. Attached to the application is a plat showing the proposed location of said well.

Yours very truly,

T. S. Flournoy Chief Engineer

JC

Encls.

CC: Etta R. Pritchard et al.

March 22, 1954

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

Gentlemen:

Enclosed is permit WAY-91h to drill Well No. h-Sr-902 on the Etta R. Pritchard et al Farm, Union District, Wayne County.

Very truly yours,

Administrative Assistant OIL AND GAS DIVISION

CNH: K Encl-2

CC: Inspector O. C. Allen

Salt Sand Salt Sand Dark Hard 1377 1353 1366 1378 1379 1379 1375	Formation	Color	Hard or Soft	Тор /5	Bottom	Oil, Gas or Water	Depth Found	Remarks
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DEBYELLED WILLES Date July 30, 19.54

APPROVED OWENS, LIBBEY-CWENS GAS DEPT.

Geologist

Sand

Slate

Slate

Slate

COST

Slate

Sand



DEPARTMENT OF MINES

OIL AND GAS DIVISION 15 STATE OF WEST VIRGINIA " TANKE OF WEST VIRGINIA "

MELL RECORD

Quadrangle Augentlet

956 T76 1976 Water T B.P.H. Slate T76 921 TJOS White BIK. Slate 1JOS BISCK T06 921 Med. White Sand 827 T06 BIK. Slate 4JOS BJSck 827 857 Slate 272 **1Jos** BIne 827 171 OTL .beM MUTTE Hard MUTTE 692 STO 1314 15 16 17 18/10 Slate 159 tjos White 692 Slate TJOS BISCK 159 259 DEPT. OF MINES Med. MUTES 623 652 Slate WEST VIRGINIA 1Jos White 623 695 RECEIVED टगड Med. White 695 Bine Slate 205 1JOS BIne 2775 796 7nr Slate 167 1JOS MUTTE 502 Blue Slate TJOS BIne 167 5443 Med. Sand White **६मम** 402 BILUE tios Bine Slate 705 718 Red Rock tios Red 7128 758 337 TJOS MUTTE Sand 758 Gray Shale 1JOS Gray 7788 SIE Sand Med. STS 588 White 18883 Gray Shale Liene Lio SLT TJOS Gray 288 Red Red Rock OST JJOS 5후 B.P.H. SET Water SLI 1JOS BIne Slate OST 9TT 1JOS Grey Sand 9TT TIT Red Rock Red T8 **JJOS** TIT 1Jos GLEA Gray Slate T8:045 OL Red Rock 1JOS Red 0000 50 JJOS Sand BIne 20 OT Surface 1Jos BIne Oil, Gas or Water Hard or Soft Found Depth Formation Bottom Remarks 1991 - 1916 feet 9176 Salt water INCHES FEET FEET NCHES Fresh water SET -reer * таач INCHES Oil A pt. oil in 22 nrs. .ard As tal .. aldd_ COAL WAS ENCOUNTERED AT 966 FEET 60 INCHES .sdl SIZ Volume Shells, Sha, & Corniferous 147 M Cu. Ft. No. Ft. CASING CEMENTED _/10ths Merc. in_ SIZE Open Flow /10ths Water in Tuch With 6600# Detonite Perf. bottom_ Date Shot 7-22-54 From 2696 3628 Liners Used Perf. top_ Drilling completed 75-9T-L Perf. bottom_ Drilling commenced 1-7-54 ाई 24491411 Perf. top_ Wayne, W. Va. Address XPCXXC 2511 19251911 161526T As to braditing a state by by Britchard et al 112 240 167818" Depth set 2446-2449 #81849T 118/5-8 XXX 205 5021 The surface of tract is owned in fee by Size of 3 1 X6 5 10 9ziz District Union County Wayne LOOKWALL DACKET Well No. h (Serial No. 902) Elev. 976, 79 Kind of Packer O. Wasa Location (waters) Size Etta R. Pritchard Acres 559 Address P. O. Box 4158, Charleston L. W. Va. Casing and Tubing Used in Drilling Packers Company OMENS, LIBBEY-OWENS GAS DEPARTMENT 02/09/2024 02/09/2024 (KIND) Oil or Gas Well CAS

LOTT

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White

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White

White

BJack

BJSck

White

(OVER)

FERC-121

1.0	API well number: (If not available, leave blank. 14 digits.)	47-099-0914				
2.0	Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		PA	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.)	Name P, C Street	nstrial Gas D. Box 1473 Cleston	Corporation		009283 Seller Code
		City	Teston	A PARTY OF DESIGNATION AND ADDRESS OF THE PARTY OF THE PA	ate Zip Code	
5.0	Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	NA Field Nam Wayr County			WV	,
	(b) For OCS wells:	<u>NA</u> Area Nam	e Date of Lea	se: ·	NA Block Number	
			Mo. Day		NA OCS Lease Number	
	(c) Name and identification number of this well: (35 letters and digits maximum.)	E.	R. Prich	ard 4-	902	
	(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.)		idendum "A" .11e Industr	ries, Inc.		N/Available Buyer Code
	(b) Date of the contract:			1 2 2 6 7 Mo. Day	7 3 Yr.	
	(c) Estimated annual production:			2.2	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.)		2.243	0.302	0.0	2.545
Dat	Person responsible for this application: Agenć\(\psi\)Use Only e Received by Juris. Agency 1070 e Received by FERC	Signature 02 /	illiam C. William 28/79 iication is Complet	e E hu	Title	Counsel

10 - 1718 - 28(5) 1-16-54 ___ Deepened Production Depth: 2465-3400 (5)1 3715-3779 Production Formation: 51, + Shells + Br. Shale Corniferous (5) (5) (5) Other Gas Test: (6) Avg. Daily Gas from Annual Production: 4.71 MCF (7) Avg. Daily Gas from 90-day ending w/1-120 days 2,99 (8) Line Pressure: 115# (8) PSIG from Daily Report (5) Oil Production: From Completion Report 02/09/2024 (10-17)Does lease inventory indicate enhanced recovery being done: 10-17) Is affidavit 'igned? Notarized? Does official well rec: with the Department confirm the submitted information? VES Additional Information Does computer program confirm? Was Determination Ohier of .o? By Whom?

STATE OF WEST VIRGINIA

Department of Mines, Oil and Gas Division

Date 02/28, 1979

Operator's Well No. 4-902

API Well No. 47 - 099 - 0914

State County Permit

WELL CLASSIFICATION FORM

STRIPFER GAS WELL

NGPA Section 108

NOTA SECTION	1 100
	DESIGNATED AGENT William C. Charlton
	ADDRESS P. O. Box 1473
	Charleston, WV 25325
WELL OPERATOR <u>Industrial Gas Corpora</u> tion	LOCATION: Elevation 976.79'
ADDRESS P. O. Box 1473	Watershed Not Available
Charleston, WV 25325	Dist. Union County Wayne Quad. Guyandot
GAS PURCHASER *	Gas Purchase Contract No.*
ADDRESS	Meter Chart Code R0384
	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.

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 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.

2 32nf

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

() Notary Public

[NOTARIAL SEAL]

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date February 28 , 19 79 Operator's Well No. 4-902

API Well No. 47 - 099 -0914 Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. NA

WELL OPERATOR Industrial Gas Corporation	DESIGNATED AGENT William C. Char	(If Applicable)
ADDRESS P. O. Box 1473		TCOIL
Charleston, W. Va. 25325	ADDRESS P. O. Box 1473 Charleston, W. Va.	25.725
		25325
Gas Purchase Contract No. * and Meter Chart Code R0384	(Month, day and year)	
Name of First Purchaser *		
Name of first Purchaser		
(Street or	P. O. Box)	
	Care) (Zip Code)	
FERC Seller Code 009283	FERC Buyer Code	
TYPE OF DETERMINATION BEING SOUGHT:	100	
(1) Initial determination (See FERC Form 121 (2) Determination that increased production recovery technology.	is the result of enhanced	y Code
(3) Determination of a seasonally affected w		
(*See FERC-121 Addendum "A")	William C. Charlton Division Name (Print) Malliam C Charlton Signature	on Counsel
	P. O. Box 1473	
	Street or P. O. Box	
	Charleston, W. Va. 25325 City State (Zip Code)	
	,,	
	(304) 342-8166 Area Phone Number	
(Certificate of Proof of Service to Purchaser)	Code	
See Separate Certificate Attached		
see separate sertificate Attached	28	
(All of the above to be completed by the Operator,	Applicant)	
(To be completed by Jurisdictional Agency. Execut purchaser, if known).	ed copy to be returned to Operator/Appli	cant and
The Department of Mines has received well as meeting the requirements of Section (NGPA): [] for for determination that increased prunder Section 108 of (NGPA): [] or for determination of the section 108 of (NGPA) or for determination of the section 108 of (NGPA) or for determination of Mines has received the section 108 of (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination of Mines has received the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination the section 108 of NGPA (NGPA); [] or for determination 108 of	a request. for certification of the under the Natural Gas Policy A oduction is the result of enhanced recovion of a seasonally affected well under	ct of 1978.
All interested parties are hereby notifithe office of the Oil and Gas Division in Charlest be heard there will be a public hearing, if reques	ed that on the day of	, 19, at 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 tirds the matter may be heard.		this evidence soon thereafter
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 within fift e motion of the department and the matter	een (15): will
1	WEST VIRGINIA DEPARTMENT OF MINES	
rrn 261979	- Cott + 1/2	
	Director	
Date received by	Ву	
Jurisdictional Agency	Title	02/ 09/2024

Title ____

U.S. DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission Washington, D.C. 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA) (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

Section of NGPA	Category Code	Description
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103		New onshore production well
107	-	High cost natural gas
108	_	Stripper well

Other Purchasers/Contracts:

Contract Date (Mo. Day Yr.)	Purchaser	Buyer Code
06/08/79	Industrial Gas Corporation	009283

Remarks:

MAR 31 1980

REGE	
MAR3 1	1980

				WARR	7000
1.0 API well number: (If not available, leave blank. 14 digits.)		47- 09	99-0914		1980
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		107 Section of NG	PA	Category Code	DIVISION MINITO
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	Market I	e same en partie de la se A Palificación (Salas Mosco de la palificación	NA	feet	Second Second
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name P. C	rk Corporat. D. Box 3711 Cleston	WV	25337 ate Zip Code	N/A Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	NA Field Nam	e yne		WV State	
(b) For OCS wells:	<u>NA</u> Area Nam	Date of Leas		NA Block Number NA OCS Lease Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	E.	R. Prichard	4-9	02	
(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.)	Tenne Name	ssee Gas Pi	peline Comp	any	018629 Buyer Code
(b) Date of the contract:			0,8,1,7,8 Mo. Day	8 ₁ 0 ₁ Yr.	
(c) Estimated annual production:			2.2	MMcf.	
vā ayai		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)		2.404	324	0.0	2.7 2 8
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)		2 4 0 4	3 2 4	0.0	2.7 2 8
9.0 Person responsible for this application: Agency Use Only		ence B. Men	tzer	Corpora	te Attorney
Walk Secsived py 380 Adeuch	Name	Man 6 2 M	n.	21 A	
Date Received by FERC	MAR 2.1580 (304) 342-8166				
(5.17)	Date App	olication is Complet	ted	Phone Number	02/09/20

TALL NISE AUG 13	1980	E.VER-SEIMER CODE
Tug Fork Co	Orp.	NA
FIRST TUP THIS FRI Tennessee Gas Pa		018629
FEE.:		
	1	
On Department of Mines, Dil & Gas Division OFLE RETERMINATION FILE NUMBER		
800331.107.099.0914	41 - 4	
se Above File Number on all Communications	Withdrawn	al 1
Felsing To Tevernination of this Well	Withdrawn Jug Fork	- 8/27/80
CHECK BATH FIRM AS CUMPLETE OF	COURT OF AT IS MISSING	
d. FEFG-121 lives not completed -	- Line No.	
2. IV -1 Frent Lawrence B. 1	Mentzer	
3. 2V-2 Well Fermit		2
4. IV.6 Well Flat		
5. 2V-35 Well Fecord	Tespenin	2
f. 3V-3f Cas-Dil Test: Ges Enly		
7. 18-25 forum Treformin No Produces		
£. IN-40 90 day Freduction	Tays off line:	
5. IV-18 Splication for certification. Co-		
17 17 film +11 = 52 - 22 - 24 - 60 - 55 - 27		
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Structure Map 2:20	::::ap :::11 T.5	
(5) Date commenced: 4/7/54 Date Acrist	ered 7/22/54 Tage	:.ed
(i) Troduction Tepth: 3647/3715; 3400		. 2
(5) Production Formation: Bu. Shale; -		
(5) Final Open Flow: 147mcfd		
21-#		
(6) Caler Cas Test:		
(7) Avg. Daily Cis from Annual Productions	No	Prod
(5) Avg. Deily Gas from 10-day ending w71 - 1		
(E) line Fressure: No		02/09/2024
(5) Oil Production: 1/05 From Completic	- 44.2	
-17) Does lease inventory indicate enchanced r		1/0
-17) le affié du enga ét	No accedi	
cificial well record with the Ligariment confi	en the submitted inforest coputer gragram confirm?	in? yes
TOUR !	- Lords & refirm Cristilli	

FORM	IV-	55WC
[12-7	8]	>

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

Date	MDR - 31	980
Operator's Well No.	4-902	
API Well No. 47 -	099	0914
State	County	Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL NGPA Section 107

	DESIGNATED AGENT Lawrence B. Mentzer
	ADDRESS P. O. Box 3711
	Charleston, W.Va. 25337
WELL OPERATOR Tug Fork Corporation	LOCATION: Elevation 976.79
ADDRESS P. O. Box 3711	Watershed N/A
Charleston, W. Va. 25337	DistUnion County Wayne Quad. Guyandot
GAS PURCHASER Tennessee Gas Pipeline Com	panyGas Purchase Contract No. TF-1
ADDRESS P. O. Box 2511 Houston, Texas 77001	Meter Chart Code R0384 Date of Contract 08/17/80
* * * * * * *	* * * * * * * *

AFFIDAVIT

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

James O. Saure Geologist

되었다. 이렇게 되는 사람들은 사람들이 나를 가장하게 되었다면 하는데 하는데 하는데 하는데 그런데 그렇게 되었다면 하는데 그는데 그렇게 되었다면 하는데 그렇게 하는데 하는데 그렇게 되었다면 그렇게 그렇게 그렇게 되었다면 그렇게 되었다면 그렇게 그렇게 그렇게 되었다면 그렇게
STATE OF WEST VIRGINIA,
COUNTY OF Kanawha , TO WIT:
<u> </u>
I, Charlotte I. Mathews , a Notary Public in and for the state and county aforesaid,
do certify that James O. Sayre , whose name is signed to the writing above, bearing date
do certify that James O. Sayre , whose name is signed to the writing above, bearing date the 3rd day of March , 1980, has acknowledged the same before me, in my county
aforesaid.
Given under my hand and official seal this 3rd day of March , 1980
My term of office expires on the 5th day of December , 1985.
Charlotle I Mathews
[NOTARIAL SEAL] Notary Public
하는 것이 들어보다 나는 아이를 가지 않는데 그들은 그는 이렇게 하는데 가장 사람들이 하다는데 하는데 하는데 그를 모르게 되었다면 되는데 바람들이 되는데 되었다면 하는데 나를 하는데

02/09/2024

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STATE OF WEST VIRGINIA

	RABA	60	-			
Date	MAR				19	
	La State		War St		-	

DEPARTMENT	OF	MINES,	OIL	AND	GAS	DIVISION	

Well No	4	-902		
API Wel	- PAR	000		0014
No. 4		099	-	0914
Cra	+-	C		7

STATE AFFEICATION	Previous File No. n/a
	(If Applicable)
WELL OPERATOR Tug Fork Corporation	DESIGNATED AGENT Lawrence B. Mentzer
ADDRESS P.O. Box 3711	ADDRESS P.O. Box 3711
Charleston, W. Va. 25337	Charleston, W. Va. 25337
Gas Purchase Contract No. TF-1	and Date 08/17/80
Meter Chart Code R0384	(Month, day and year)
	as Pipeline Co.
P.O. Box 251	.1
Houston, Texas	77001
(City)	(State) (Zip Code)
FERC Seller Coden/a	FERC Buyer Code 018629
TYPE OF DETERMINATION BEING SOUGHT:	107 Devonian Shale
(1) Initial determination (See FERC Form (2) Determination that increased producti recovery technology.	121.) Section of MGPA Category Code
(3) Determination of a seasonally affected	
	Name (Print) Lawrence B. Mentzer Corporate Attorney Title
	Signature
	P.O. Box 3711 Street or P. O. Box
	Charleston, W. Va. 25337 City State (Zip Code)
	(304) 342-8166 Area Phone Number Code
(Certificate of Proof of Service to Purchaser)	하는 사람이 하는 일반 이번 4200년 이번 4200년 1200년 1
(All of the above to be completed by the Operat	tor/Applicant)
the operations of the operatio	
dichaser, if known).	ecuted copy to be returned to Operator/Applicant and
(NGPA): For determination that increase	ived a request, for certification of the above described under the Natural Gas Policy Act of 1978, d production is the result of enhanced recovery technology ination of a seasonally affected well under Section 108 of (NGPA)
	tified that on the day of , 19 , at
This Application is assigned File No.	
ntitled to certification as claimed under the	ted indicates the well is, is not Natural Gas Policy Act (NGPA). A review of this evidence time appointed for a public hearing or as soon thereafter
Unless objections are timely filed or ays, a hearing will not be held except on ex po to determination.	a request for a hearing is made within fifteen (15) parte motion of the department and the matter will
	WEST VIRGINIA DEPARTMENT OF MINES
MAR 31 1980	Director
ate received by urisdictional Agency	
	Title

Checklist of minimum Forms and Information needed to apply for each well classification.

Each is identified by an "Item No.". The "Items" required are listed beneath each well classification.

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 2.5 miles from a marker well. Items - 1,2,3,4,5,6,9,10,22,23 - (18 & 19 Qualified)

FOR NEW ONSHORE WELL - Sec. 102 NGPA - More than 1,000 feet deeper than a marker well. Items - 1,2,3,4,5,6,9,11,22,23 - (18 & 19 Qualified)

FOR NEW ONSHORE RESERVOIR WELL - Sec. 102 NGPA Items - 1.2,3,4,5,6,9,12,20,21,24 - (18 & 19 Qualified)

FOR NEW ONSHORE PRODUCTION WELL - Sec. 103 NGPA Items - 1,2,3,4,5,6,9,13

FOR HIGH COST GAS - Sec. 107 NGPA Items - 1,2,3,4,5,6,9,14,19 - (18 Qualified)

FOR STRIPPER WELLS - Sec. 108 NGPA Items - 1,2,3,4,5,6,7,8,9,15 (28 If Available)

FOR STRIPPER WELLS - Sec. 108 NGPA - Enhanced Recovery Items - 9,16

FOR STRIPPER WELLS - Sec. 108 NGPA - Seasonally Affected Items - 9,17,28

NOS.	FORM NO.	DESCRIPTION
1.	FERC 121	
2.	IV-1	Operator Agent Certification
3.	IV-2	Well Permit Application
4.	IV-6	Well Plat
5.	IV-35	Well Operator's Drilling Report
6.	IV-36	Gas/Oil Ratio Test Report
7.	IV-39	Report of Annual Production
8.	IV-40	Ninety (90) Day Production Report
9.	IV-48WC	State Application for Well Classification
10.	IV-51WC	Wells drilled more than 2.5 miles from a marker well
11.	IV-52WC	Wells drilled more than 1,000 ft. deeper than a marker well
12.	IV-53WC	New Onshore Reservoir Well
13.	IV-54WC	New Onshore Production Well
14.	IV-55WC	High Cost Natural Gas Well
15.	IV-56WC	Stripper Well Classification
16.	IV-57WC	Stripper - Increased Production by Enhanced Recovery
17.	IV-58WC	Stripper - Seasonally Affected
18.	N/A	Directional Survey
19.	N/A	Electric Logs
20.	N/A	Subsurface cross-section charts (Geological charts)
21.	N/A	Formation Structure Map
22,	N/A	1:4000 Well Location Map
23.	N/A	Well Tabulation Sheet
24.	N/A	Gas Analysis
25.	N/A	Other
26,	N/A	Notice - Increase of Production
27.	N/A	Lease Inventory
28.	N/A	Tax records or verified copies of billing statements for appropriate period.

ELECTRIC LOGS

With reference to this well, please note that, at the time of the drilling hereof, neither electric logs nor the technology for logging were available. In lieu of actual electric logs on this well, we hereby refer to the gamma ray log and temperature log of the Lucretia Knight #1, Permit No. Wayne 1098. Our geologist(s) submit that these logs are representative of the area and shows the same or similar formations and structures as encountered in the well herein filed for.

Please refer to 107 Tug Fork well certification filing on Well No. 1-495, API No. 47-099-0129 for a copy of the said gamma ray and temperature logs applicable herein.

CERTIFICATE OF SERVICE

The undersigned attorney for TUG FORK CORPORATION hereby certifies that on the 31st day of March 1980, he served the attached Request for Well Certification and supporting data to the purchasers listed below, delivering by U. S. Mail at the addresses given:

Tennessee Gas Pipeline Corporation Tenneco Building P. O. Box 2511 Houston, Texas 77001

Industrial Gas Corporation P. O. Box 3709 Charleston, W. Va. 25337

Lawrence B. Mentzer Corporate Attorney TUG FORK CORPORATION

P. O. Box 3711 Charleston, W. Va. 25337



State of West Virginia

Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

OF THE DEPARTMENT OF MINES
OF THE STATE OF WEST VIRGINIA

IN THE MATTER OF THE APPLICATIONS OF CABOT OIL & GAS CORPORATION FOR CERTIFICATION OF CERTAIN WELLS IN KANAWHA AND WAYNE COUNTIES, WEST VIRGINIA, AS DEVONIAN SHALE WELLS UNDER SECTION 107 OF THE NATURAL GAS POLICY ACT.

CAUSE NO. 38

ORDER 1-A

REPORT OF THE OFFICE

This cause first came before the Administrator of the Office of Oil and Gas on April 25, 1983, at 10:00 a.m., in the Capitol Conference Lounge, Capitol Conference Center, Charleston, West Virginia, and was continued August 22, 1983, at 10:00 a.m., in Conference Room D, Capitol Conference Center, Charleston, West Virginia, after giving notice of hearing as required by law on the applications of Cabot Oil & Gas Corporation for certification of wells Nos. 47-039-0223, 47-039-1218, 47-039-1577, 47-099-0907, 47-099-0914 and 47-099-0987 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 (w) of Chapter 22-4-1.
 - 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--(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 Devonian Shale.

- 5. Applicant has shown through Exhibits 14, 15 and filings that the top of the Devonian interval is 2175' for well No. 47-039-0223, 2045' for well No. 47-039-1218 and 2609' for well No. 47-039-1577.
- 6. Applicant also showed well No. 47-039-0223 to be plugged back to 5040' in 1939. (Exhibit 14 and filing).
- 7. Applicant also calculated the percentage of non-qualifying shale to be less than 1% for wells Nos. 47-039-0223, 47-039-1218 and 47-039-1577.
- 8. Applicant also showed through Exhibits 16 and 17 that offset well No. 47-030-3579, which has a gamma ray log, qualifies with less than 5% non-shale.
- 9. Applicant stated that well Nos. 47-099-0914 and 47-099-0987 has greater than 5% non-shale penetrated in the Devonian interval though it has never produced that non-shale interval.
 - 10. Applicant requested withdrawal of well No. 47-099-0907.

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

NOW, therefore, based on the aforementioned Findings of Fact and Conclusion of Law, it is found by the Administrator that Cabot Oil & Gas Corporation's applications for certification of wells Nos. 47-039-0223, 47-039-1218 and 47-039-1577 are approved for Section 107 Devonian Shale. Wells Nos. 47-099-0914 and 47-099-0987 are hereby rejected and well No. 47-099-0907 is hereby withdrawn.

The Office of Oil and Gas further incorporates the Report of the Office and Findings of Fact and Conclusion of Law dated August 22, 1983, 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 9th day of September, 1983.

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:

héodore M. Streit, Administrator

02/09/2024

1.0 API well number: (If not available, leave blank, 14 digits.)		47- 09	9 _ 0914			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		Section of N	GPA .		N/A ategory Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)			3795		feet	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name	Oil & Gas O Box 628 ston	orporation	WV State	25322 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.)	Union Field Nan Wayne County	ne ·			WV State	is. u
(b) For OCS wells:	Area Nam	N/. Date of Lea	ise:		Block Numb er . ease Numb er	***
(c) Name and identification number of this well: (35 letters and digits maximum.)	E. R.	Prichard 4	-902 .			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)		N//	4			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tenne Name	ssee Gas Pi	peline Co.			018629 Buyer Code
(b) Date of the contract:			0 8 1 7 Mo. Day	V-		
(c) Estimated annual production:			2.2		MMcf.	
		(a) Base Price (\$/MMBTU)	(b) Tax	Price	Il Other es [Indicate or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)				-		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)						
9.0 Person responsible for this application: Agency Use Only Date Received by Juris. Agency AUG 3 1 1982 Date Received by FERC	Name Signature August	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	hatel		District Superint Title 344-8355	Production endent
						02/09/2024 FT7900806/2-2

PARTICIPANTS: DATE: JAN 10 1983	BUYER-SELLER CODE
WELL OPERATOR: Cabot OII+ Gas Corp.	000728
FIRST PURCHASER: Tennessee Gas Pipeline	018629
OTHER:	
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER	no log available
820831-107-099-0914 REJECT	
Usa Above File Number on all Communications Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
1. FERC -121 / Items not completed - Line No. All	
2. IV-1 Agent 2. Baird Whitebead	
3. IV-2 Well Permit	
4. IV-6 Well Plat ✓	
5. IV-35 Well Record Drilling De	
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 Chart	S
Structure Map 1: 4000 Map W Gas Analyses	ell Tabulations
(5) Date commenced: <u>4-7-54</u> Date completed <u>7-16-54</u>	Deepened
(5) Production Depth: 3220-3400, 3660	
(5) Production Formation: Br Shale	
(5) Final Open Flow: 147MCF	
(5) After Frac. R. P. 215# 54hrs.	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	
(8) Avg. Daily Gas from 90-day ending w/1-120 days	,
	PSIG from Daily Repor
(5) Oil Production: yes From Completion Report 24	3)
10-17. Does lease inventory indicate enhanced recovery being done 20	
10-17. Is affidavit signed? Notarized?	
Does official well record with the Department confirm the submitted inf	ormation? 465
Additional information Does computer program confirm?	02/09/2024
Was Determination Objected to By Whom?	
	78

(Street or PTXO. Box) 77001 Houston (State) (Zip Code) (City) 018629 000728 FERC Buyer Code FERC Seller Code N/A TYPE OF DETERMINATION BEING SOUGHT: 107 Category Code Initial determination (See FERC Form 121.) Section of MGPA (1) Determination that increased production is the result of enhanced (2) recovery technology. District Production Determination of a seasonally affected well. (3) Superintendent H. Baird Whitehead Name (Print) Title Signature P. O. Box 628 Street or P. O. Box 25322 Charleston State (Zip Code) City 304) 344-8355 Phone Number Area (Certificate of Proof of Service to Purchaser) Copy sent to Purchaser by Certified Mail (823536) on August 31, 1982. (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): for 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. 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. This Application is assigned File No. 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 vill go to determination. WEST VIRGINIA DEPARTMENT OF MINES

AUG 31 1982

Date received by Jurisdictional Agency

Director

Title

By

02/09/2024

1982

0914

Permit

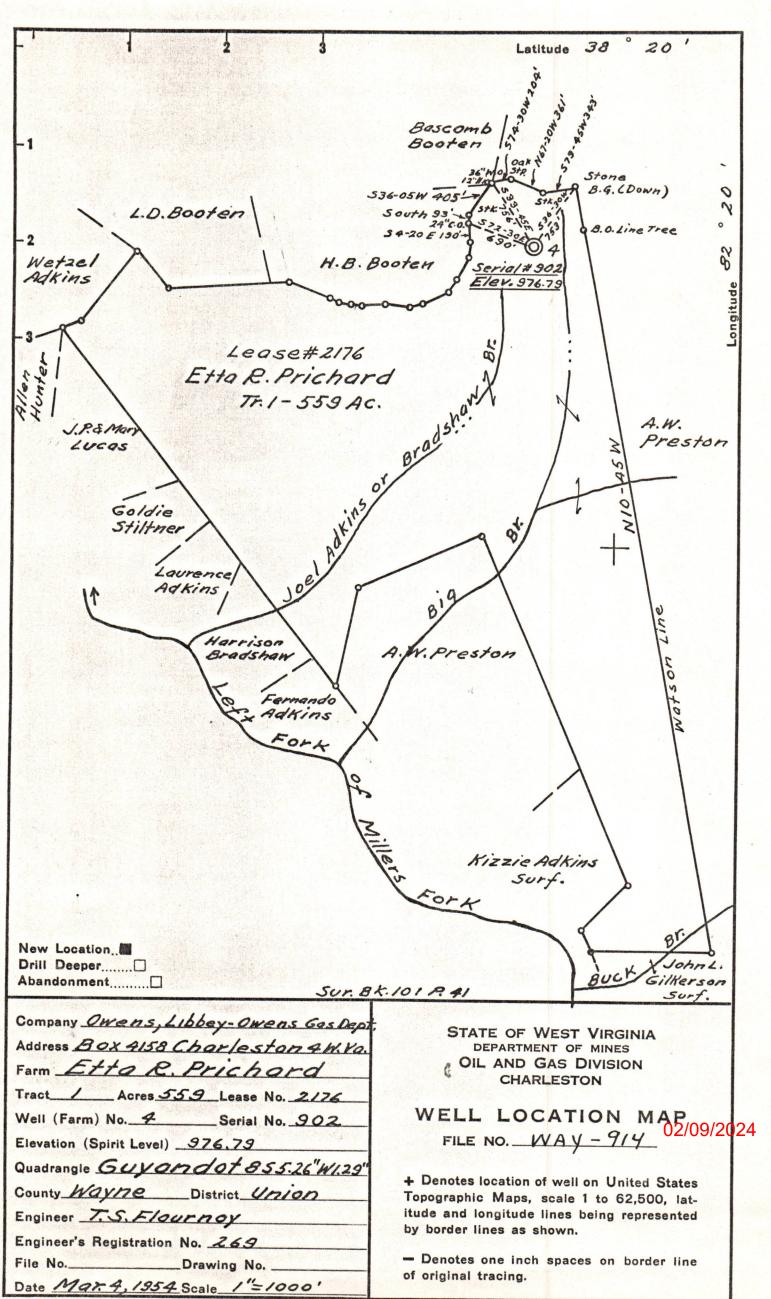
	IV-39-WC														
	STATE OF WEST VIRGINIA DENATINENT - MINES DIVISION - OIL AND GA	EST VIRGINIA - MINES - OIL AND GAS	NIA ID GAS		ō	AHHUA OPERATOR 1	_	REPORT OF MONTHLY PRODUCTORS IN MFC 2 14 OIL IN DARRELLS 2 60 DEGINDUSTRIAL GAS CORPORATION	r PRODUCTION 14.7 60 DEGRE POTALIBN	OH-197A 3 EE5 18		REPORT	REPORT NO. CCAIOIPI CURREHI DATE REPORT DATE	PG 00002 - 2/28/79 - 2/28/79	
	47-099-00914 1	10914 1	Prichard	d 4-902		OUNTY: W.	COUNTY! Wayne AVG. FLOW PRESSURE 115	3. FLOW P	RESSURE I	,	SHUT-IN PRESSURE	ESSURE	Α	TOTALS	
i i	GAS MFC	290	286	269	283	281	211	247	309	192	240	207	273 045	3088	
11811	011 881	-	F.	¥.	γ-	Ξ.	-5	-5	γ	-5	0	H se manufacturent	016		
	DAYS OHLINE	31	33	27	31	32	29	29	35	29	32	28	29	365	
												5			
															,
							AV	AVG. FLOW PRESSURE		110	SHUT-IN PRESSURE		NA	TOTALS	
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	011 881	-	-	-E	γ-	H-	-7	-r -	γ-	2	0	T.	0110		
1978	DAYS OHLINE	34	30	29	28	34	67	32	29	31	32	27	28	363	

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 47-099-0881; 47-099-0964; 47-099-0987.

02/09/2024



K-E 156 IMPERIAL

[NOTARIAL SEAL]

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's E. R. Prichard #4

API Well 099 - 0914
No. 47 - County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE
MGPA Section 107

no log avsilable

G. A Sect	10h 197
	DESIGNATED AGENT H. Baird Whitehead
	ADDRESS P. O. Box 628
	Charleston, WV 25322
WELL OPERATOR Cabot Oil & Gas Corp.	LOCATION: Elevation 976.79
ADDRESS P. O. Box 628	Watershed N/A
Charleston, WV 25322	Dist Union County Wayne Quad. Guyandot
GAS PURCHASER Tennessee Gas Pipeline Co.	
ADDRESS P. O. Box 2511	Contract No. GSC140
Houston, TX 77001	Meter Chart Code N/A Date of Contract 8/17/79
* * * * * * *	* * * * * * * * *
Date surface drilling began: April 7, 195	4
Indicate the bottom hole pressure of the w	all and explain how this was calculated:
Indicate the bottom hole plessure of the w	eri and explain now this and careagons.
$HP = P_1 + P_1(eGL/53.34T_1)$ $P_1 =$	230 PSIA BHP = 247 PSIA
T = 9	PSIA BHP = 247 PSIA
G =.	
L = 3	3244
AFFIDA	VIT
I, Paul L. Gebhard , h	aving been first sworn according to law,
state that, the well is productly hat	ural gas produced from the fractures, micropore
and bedding planes of shales deposite	d during the Paleozoic Devonian Period as
crops around its periphery. For the	the Appalachian Basin and in the surface out purposes of this statement, Devonian shale is
defined as that shale stratigraphic i	nterval that lies between the base of the
Mississippian Berea Sand or, if absen	t, that of the Osage Series, and the top of
the Unondaga Timestone formation or i	ts chert equivalent, the top of the Huntersvill
to this filing, the percentage of not	pertinent portion of the gamma ray log attache entially disqualifying non-shale footage is
equal to or less than the five percen	t (5%) of the gross Devonian age producing
interval. I have no knowledge of any	information not included in the application
natural gas well.	on that the well qualifies as a high-cost
naturar gas nerr.	
	P + P = P
	Paul L. Gelhart Geologist
STATE OF WEST VIRGINIA,	Geologist
COUNTY OF Kanawha , TO WIT:	
Iorene Miller	Notary Public in and for the state and county aforesaid.
	name is signed to the writing above, bearing date
	as acknowledged the same before me, in my county
aforecaid.	25th August
Given under my hand and official	seal this 25th day of August . 1982.
My term of office expires on the	5th day of March . 1989 . 02/09/2024
	Lorene Miller
	Notary Public