



1) Date: June 9, 1983
 2) Operator's Well No. Wolfe #2
 3) API Well No. 47 001 1949
 State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1690' Watershed: Gladly Creek
 District: Glade County: Barbour Quadrangle: Belington 7.5'
- 6) WELL OPERATOR Berea Oil & Gas Corp. 11) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 569 Address P.O. Box 299
 Dover, OH 44622 Bridgeport, WV 26330
- 7) OIL & GAS ROYALTY OWNER Lester E. and Anna M. Wolfe 12) COAL OPERATOR
 Address Route #2 Address
 Belington, WV 26250
- 8) SURFACE OWNER Lester E. and Anna M. Wolfe 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Route #2 Name Lester E. and Anna M. Wolfe
 Belington, WV 26250 Address Route #2
 Belington, WV 26250
- 9) FIELD SALE (IF MADE) TO: Name Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Stewart
 Address Box 345, Jane Lew, WV
 Phone: (304)884-7782
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Haverty
 17) Estimated depth of completed well, 5950' feet
 18) Approximate water strata depths: Fresh, 40 feet; salt, - feet.
 19) Approximate coal seam depths: Is coal being mined in the area? Yes / No

RECEIVED
 JUN - 9 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	J55	361b	X		30	----	----	Kinds
Fresh water	8 5/8	K55	231b	X		900	900	to surface	by Rule 15-05
Coal									Sizes
Intermediate									
Production	4 1/2	J55	10.51b	X		5495	5495	3000' Fillup	Depths set on as req
Tubing	1 1/2	J55	4.21b	X		5195	5195		by Rule 15-01
Liners									Perforations:
									Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Anna R. Contini
 My Commission Expires ANNA R. CONTINI, Notary Public
 State of Ohio

Signed: Mary Sewell
 Its: Vice President, Land

My Commission Expires Feb. 18, 1988 OFFICE USE ONLY

Permit number 47-001-1949 DRILLING PERMIT Date July 11, 1983

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires March 11, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: B	Agent: [Signature]	Plat: [Signature]	Casing: [Signature]	Fee: 16003
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

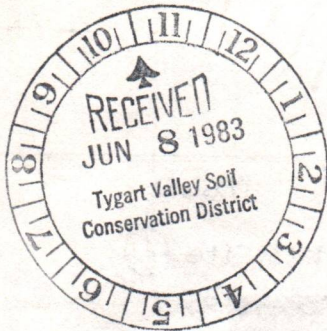
10/20/2023

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____
Its _____

IV-9
(Rev 8-81)



DATE 6 June 1983

WELL NO. WOLFE-2

State of West Virginia
Department of Mines
Oil and Gas Division

API NO. 47 - 001 - 1949

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Berea Oil & Gas Corp.

DESIGNATED AGENT Mark Schumacker

Address Bridgeport, WV 26330

Address Bridgeport, WV 26330

Telephone 304-842-6931

Telephone 304-842-6931

LANDOWNER Lester E. & Anna M. Wolfe

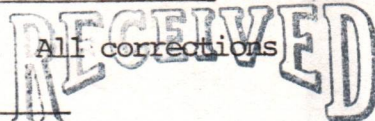
SOIL CONS. DISTRICT Tygart Valley

Revegetation to be carried out by _____

Operator _____ (Agent)

This plan has been reviewed by _____
and additions become a part of this plan:

Tygart Valley SCD.
6/8/83
(Date)



JUN - 9 1983

Jean Freeman / cm
(SCD Agent)

OIL & GAS DIVISION

LOCATION DEPT. OF MINES

ACCESS ROAD

Structure Culverts (A)

Structure Diversion Ditch (1)

Spacing AS Shown (Min. 12" & Min. 15"
when leaving State Road)

Material Soil (2% max. slope)

Page Ref. Manual 2-7

Page Ref. Manual 2-12

Structure Drainage Ditch (B)

Structure Drilling pit (2)

Spacing To be constructed along road.

Material Soil

Page Ref. Manual 2-12

Page Ref. Manual -----

Structure Cross Drains (C)

Structure Sediment trap (3)

Spacing 5%-135' 15%-60'
10%- 80' 20%-45'

Material Soil

Page Ref. Manual 2-4

Page Ref. Manual -----

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

NOTE: Drainage to be maintained after completion of well and seeding to commence within 3 months after completion of well.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch 2 Tons/acre

Seed* Ky-31 Tall Fescue 30 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Domestic Ryegrass 10 lbs/acre

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch 2 Tons/acre

Seed* Ky-31 Tall Fescue 30 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Domestic Ryegrass 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper 10/20/2023
Inoculate with 3X recommended amount.

PLAN PREPARED BY Ostrander Land Surveying, Inc

ADDRESS PO Box 676

Buckhannon, WV 26201

PHONE NO. 304-472-0817

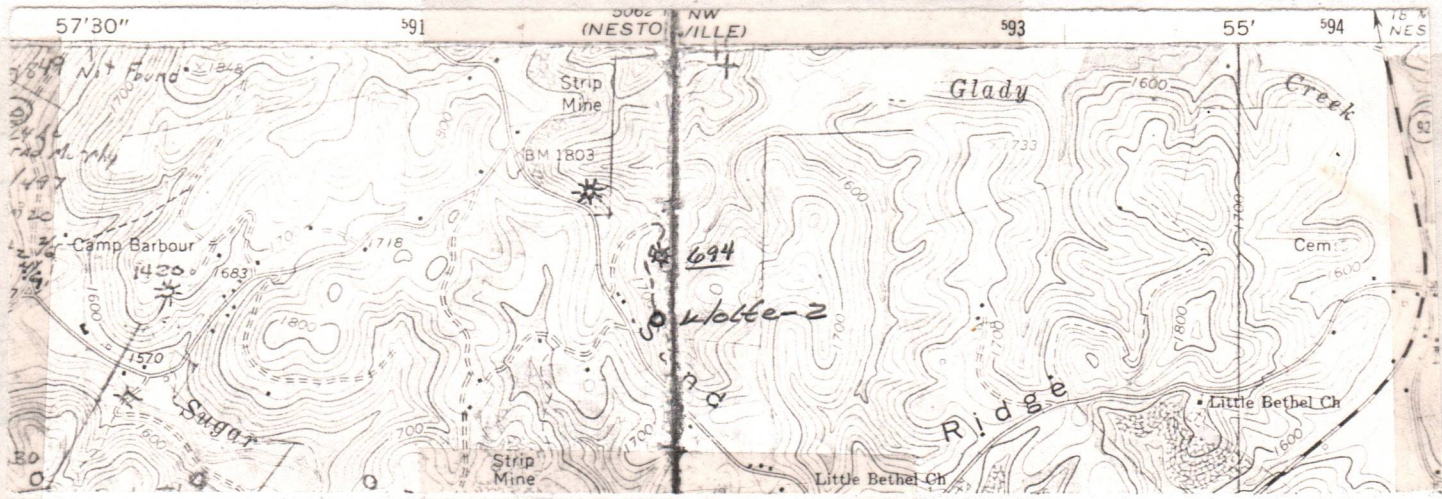
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE BELINGTON

LEGEND

Well Site ⊕

Access Road ———



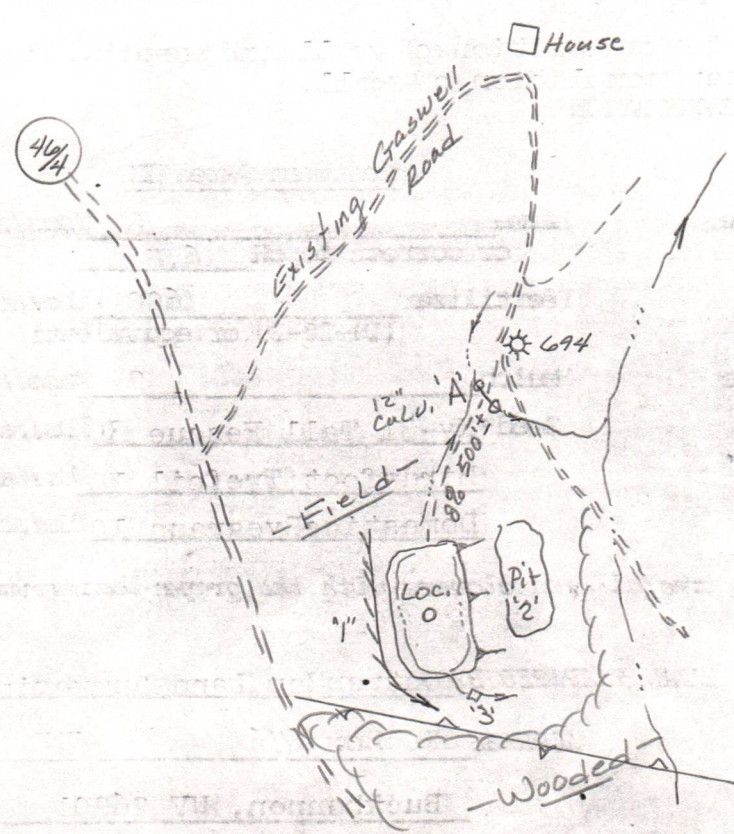
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary	——▲——▲——▲——▲——	Diversion	//////
Road	== == == == ==	Spring	○→
Existing fence	—x—x—x—x—	Wet spot	⊕
Planned fence	—/—/—/—/—	Building	■
Stream	~ ~ ~ ~ ~	Drain pipe	○→○→○→
Open ditch	—•••••→	Waterway	⇄⇄⇄⇄

NOTE: All cuts at 2:1 slope unless in rock.



10/20/2023

FEDERAL ENERGY REGULATORY COMMISSION

WASHINGTON 20426

IN REPLY REFER TO:
OPPR/N830-A

MAY 24

RECEIVED

MAY 29 1984

OIL & GAS DIVISION
DEPT. OF MINES

Theodore M. Streit, Administrator
Department of Mines
Oil and Gas Division
1613 Washington Street, East
Charleston, West Virginia 25311

Re: Determination of Maximum
Lawful Price under NGPA
Section 107(c)(4)
Berea Oil and Gas Corporation
Wolfe #2 Well
SJA No. 831109-107-001-1949
FERC No. JD84-28613

Dear Mr. Streit:

On April 9, 1984, the Commission received your notice of determination that the subject well qualifies as a high cost Devonian shale gas well pursuant to Section 107(c)(4) of the NGPA. Upon review, we have concluded that the notice is incomplete.

Pursuant to Section 274.205(d)(4)(ii) of the regulations, the applicant must include the gross Devonian age interval when calculating the percentage of non-shale footage in the well-bore. Additionally, the State of West Virginia has submitted to the Commission a generalized stratigraphic column, which establishes the top of the Devonian age interval in West Virginia to be the base of the Berea sand. It appears that the applicant has calculated the top of the Devonian age interval to be below the base of the Berea sand for the subject well.

On the well log submitted, the top of the Devonian age interval was picked at 1729 feet, which is also the base of the Berea/Gantz as shown on the included well completion report, Form IV 35. Since the Gantz is recognized to be of Devonian age but was not included in the Devonian age footage, it appears that the entire Devonian age interval was not included when calculating the percentage of non-shale footage in the well-bore.

In light of the above, we are unable to ascertain the basis for your notice of determination that the subject well qualifies as a gas well producing from Devonian shale. Please provide an explanatory statement in accordance with Section 274.104(a)(6) of the Commission's regulations, so that we may ascertain the basis for your affirmative determination. As an alternative, however, you may desire to withdraw your notice of determination in order to consider the matter further, or the applicant may withdraw its application, in accordance with the procedures set forth in Sections 275.202(c) and (d) of the Commission's regulations, respectively.

10/20/2023

RECEIVED
MAY 20 1984
OIL AND GAS DIVISION
DEPT. OF MINES

Theodore N. Street, Administrator
Department of Mines
Oil and Gas Division
1013 Washington Street, East
Charleston, West Virginia 25301

Re: Determination of Maximum
Lawful Price under WCPA
Section 107(c)(4)
Wells #1 and #2 Corporation
Wells #1 Well
SJA No. 831103-107-001-1943
PERC No. 1084-28613

Dear Mr. Street:

On April 9, 1984, the Commission received your notice of determination that the subject well qualifies as a high cost Devonian shale gas well pursuant to Section 107(c)(4) of the WCPA. Upon review, we have concluded that the notice is incomplete.

Pursuant to Section 274.104(a)(1) of the regulations, the applicant must include the gross Devonian age interval when calculating the percentage of complete footage in the well-bore. Additionally, the State of West Virginia has submitted to the Commission a generalized stratigraphic column which establishes the top of the Devonian age interval in West Virginia to be the base of the lower sand. It appears that the applicant has calculated the top of the Devonian age interval to be below the base of the lower sand for the subject well.

On the well log submitted, the top of the Devonian age interval was listed as 15' below the top of the lower sand. Since the data is necessary to the complete well completion report, Item IV B. Since the data is necessary to be of Devonian age but was not included in the Devonian age footage, it appears that the entire Devonian age interval was not included when calculating the percentage of complete footage in the well-bore.

In light of the above, we are unable to ascertain the basis for your notice of determination that the subject well qualifies as a gas well producing from Devonian shale. Please provide an explanatory statement in accordance with Section 274.104(a)(5) of the Commission's regulations, so that we may ascertain the basis for your alternative determination. As an alternative, however, you may desire to withdraw your notice of determination in order to reconsider the matter further, or the applicant may withdraw its application in accordance with the procedures set forth in sections 275.202(c) and (d) of the Commission's regulations, respectively.

Theodore M. Streit

-2-

Pursuant to Section 275.202(b) of the regulations, the 45-day period for Commission review will not commence until the requested explanatory statement is received.

Very truly yours,

Howard Kilchrist
Howard Kilchrist, Director
Division of Producer Audits and Pricing

cc: Berea Oil and Gas Corporation
P.O. Box 299
Bridgeport, West Virginia 26330

Brooklyn Union Gas Company
19 Montague Street
Brooklyn, New York 11201

10/20/2023

Pursuant to Section 275.202(d) of the regulations, the 45-day period for Commission review will not commence until the requested explanatory statement is received.

Very truly yours,

Howard Kleinman, Director
Division of Producer Affects and Pricing

cc: Baren Oil and Gas Corporation
P.O. Box 299
Bridgeport, West Virginia 26330

Brooklyn Union Gas Company
19 Montague Street
Brooklyn, New York 11201

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

RECEIVED

JUL 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

OPPR/N830-A

JUL 24 1984

Theodore M. Streit, Administrator
Department of Mines
Oil & Gas Division
1613 Washington Street, East
Charleston, West Virginia 25311

Re: Determination of Maximum
Lawful Price under NGPA
Section 107(c)(4)
Berea Oil and Gas Corporation
Wolfe #2 Well
SJA No. 831109-107-001-1949
FERC No. JD JD84-28613

Dear Mr. Streit:

On June 11, 1984, we received your submittal of a letter dated May 30, 1984, from Berea Oil and Gas Corporation in response to our letter of May 24, 1984, which included a revised marked CDL Log and a Gamma Ray Log analysis worksheet for the referenced well. Thank you for your assistance in this matter.

The 45-day period for Commission review will end on July 26, 1984, pursuant to Section 275.202 of the Commission's regulations.

Very truly yours,

Howard Kilchrist

Howard Kilchrist, Director
Division of Producer Audits and Pricing

cc: Berea Oil and Gas Corporation
P.O. Box 299
Bridgeport, West Virginia 26330

Brooklyn Union Gas Company
19 Montague Street
Brooklyn, New York 11201

10/20/2023



RECEIVED

IV-35
(Rev 8-81)

NOV 9 - 1983

Date 11/8/83
 Operator's Well No. Wolfe #2
 Farm Lester & Anna Wolfe
 API No. 47 - 001 - 1949

OIL & GAS DIVISION **State of West Virginia**
DEPT. OF MINES Department of Mines
 Oil and Gas Division

WELL OPERATOR'S REPORT
 OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
 (If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 1690' Watershed Glady Creek
 District: Glade County Barbour Quadrangle Belington

COMPANY Berea Oil And Gas Corp.
 ADDRESS P O Box 299, Bridgeport, WV 26330
 DESIGNATED AGENT Thomas E. Riley, P.E.
 ADDRESS P O Box 299, Bridgeport, WV 26330
 SURFACE OWNER Lester E & Anna M. Wolfe
 ADDRESS Rt. #2, Belington, WV 26250
 MINERAL RIGHTS OWNER Lester E & Anna M. Wolfe
 ADDRESS Rt. #2, Belington, WV 26250
 OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart ADDRESS Box 345, Jane Lew, Wv
 PERMIT ISSUED 7-11-83
 DRILLING COMMENCED 9-16-83
 DRILLING COMPLETED 9-22-83
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4"	---	30'	--
9 5/8			
8 5/8	997'	967.4'	235 sks.
7			
5 1/2			
4 1/2	5521	5319.15	400 sks
3			
1 1/2"	---	5071'	---
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5950 feet
 Depth of completed well 5521 feet Rotary X / Cable Tools
 Water strata depth: Fresh 66'-418' feet; Salt feet
 Coal seam depths: 165-170', 284-286' Is coal being mined in the area? No

OPEN FLOW DATA
 Producing formation 1st Elk, 2nd Elk, Benson See Well Treatment
Haverty, Frib Pay zone depth Details feet
 Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d
 Final open flow 561 Mcf/d Oil: Final open flow 0 Bbl/d
 Test Date 10/6/83 Time of open flow between initial and final tests 72 hours
 Static rock pressure 1675 psig (surface measurement) after 4 hours shut in
 (If applicable due to multiple completion--)
 Second producing formation Pay zone depth feet **10/20/2023**
 Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
 Final open flow Mcf/d Oil: Final open flow Bbl/d
 Time of open flow between initial and final tests hours
 Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

Bar 1949

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

9/27/83 Benson: 3926 - 3928' (2)	9/27/83 1st Elk: 4131 - 4138' (2), 4140 - 4141' (2) 4155 - 4157' (2), 4158 - 4160' (2)	9/27/83 2nd Elk: 4436 - 4438' (2)	9/27/83 Frac. 1st, 2nd Elk & Benson Formation broke @ 1750#. ISIP 1750#, 5 min 1600#. Avg. pump rate 30 BPM @ 2903#. Used 602 BW, 750 gal MOD202 acid, 15,000# 80/100 sand, 45,000# 20/40 sand.
9/27/83 Haverty: 5126' (1) 5129 - 5131' (2) 5147 - 5155' (8)	9/27/83 Fris: 5219 - 5221' (3)		9/27/83 Frac. Haverty/Fris: Formation broke @ 2600#. ISIP 2000#, 5 min 1900#. Avg pump rate 28.6 BPM @ 2927#. Used 766 BW, 500 gal MOD202 acid, 15,000# 80/100 sand, 45,000# 20/40 sand.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
<u>Taken from Drillers Log</u>			
Fill	0	15	
Shale	15	47	
Sand	47	66	1/4" stream water @ 66'
Shale	66	72	
Sand	72	108	
Shale	108	120	
Sand	120	165	
Coal	165	170	
Shale and sand	170	276	
Sand	276	284	
Coal	284	286	
Shale	286	372	
Sand	372	385	
Shale	385	401	
Sand	401	418	
Shale	418	450	1/2" stream water
Sand	450	556	
Shale	556	594	
Sand and shale	594	812	
Sand	812	845	
Shale	845	863	
Redrock	863	1014	
Shale	1014	1025	
Redrock	1025	1065	
Shale	1065	1134	
Sand	1134	1181	
Shale	1181	1299	Gas check @ 1231 - no show
Big Lime	1299	---	
<u>Taken from CDL</u>			
Big Lime	----	1414	
Big Injun	1414	1520	
SHale	1520	1564	
Silt and shale	1564	1606	
Berea/Gantz	1606	1729	
Silt	1729	1812	Gas check @ 1711 - no show
Shale	1812	1862	
Silt	1862	1916	
Shale	1916	1940	

(Continued on page 2)
(Attach separate sheets as necessary)

Berea Oil and Gas Corp.
Well Operator
By: Thomas E. Riley, P.E., Manager of Engineering
Date: November 8, 1983

10/20/2023

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Continued from page one					
Gordon			1940	2123	
Shale			2123	2127	
Fourth Sand			2127	2240	
Shale and silt			2240	2263	Gas check @ 2253 - no show
Fifth Sand			2263	2363	
Shale			2363	2492	Gas check @ 2464 - no show
Bayard			2492	2534	
Shale			2534	2600	Gas check @ 2554 - 41 Mcf
Shale and silt			2600	2702	
Shale			2702	2728	
Speechley			2728	2798	
Shale			2798	2859	
Balltown			2859	3098	Gas check @ 2862 - 33 Mcf
Shale			3098	3164	
Shale and silt			3164	3260	Gas check @ 3170 - 33 Mcf
Bradford			3260	3400	
Shale			3400	3480	
Silt			3480	3571	
Shale and silt			3571	3750	
Shale			3750	3776	
Riley			3776	3841	
Shale			3841	3922	Gas check @ 3914 - 31 Mcf
Benson			3922	3994	
Shale and silt			3994	4128	
1st Elk			4128	4284	
Shale			4284	4332	
2nd Elk			4332	4500	
Shale			4500	4542	
3rd Elk			4542	4639	
Shale and silt			4639	4727	
4th Elk			4727	4798	
Shale			4798	4838	
Silt and shale			4838	5014	
Shale			5014	5090	
Haverty			5090	5190	Gas check @ 5107 - 24 Mcf
Frib			5190	5278	
Shale			5278	5342	
Fox			5342	5360	
Shale			5360	5521	Gas check @ TD - 35 Mcf

(Attach separate sheets as necessary)

Berea Oil And Gas Corp.
 Well Operator

By: Thomas E. Riley, P.E., Manager of Engineering 10/20/2023

Date: November 8, 1983

Bar 1949

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date _____
Operator's _____
Well No. _____
Farm _____
API No. _____

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas ___ / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: _____ Watershed _____
District: _____ County _____ Quadrangle _____

COMPANY _____

ADDRESS _____

DESIGNATED AGENT _____

ADDRESS _____

SURFACE OWNER _____

ADDRESS _____

MINERAL RIGHTS OWNER _____

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

ADDRESS _____

PERMIT ISSUED _____

DRILLING COMMENCED _____

DRILLING COMPLETED _____

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION _____ Depth _____ feet

Depth of completed well _____ feet Rotary ___ / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth **10/20/2023** feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

AMENDED

IV-35*
(rev 8-81)

RECEIVED



MAY 31 1984 State of West Virginia
OIL & GAS DIVISION Department of Mines
DEPT. OF MINES Oil and Gas Division

Date May 30, 1984
Operator's Wolfe #2
Well No. Wolfe #2
Farm Lester & Anna Wolfe
API No. 47 - 001 - 1949

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)
LOCATION: Elevation: 1690' Watershed Glady Creek
District: Glade County Barbour Quadrangle Belington

PROPERTY Berea Oil And Gas Corp.
ADDRESS P O Box 299, Bridgeport, WV 26330
ASSOCIATED AGENT Thomas E. Riley, P.E.
ADDRESS P O Box 299, Bridgeport, WV 26330
PROPERTY OWNER Lester E & Anna M. Wolfe
ADDRESS Rt. #2, Belington, WV 26250
MINERAL RIGHTS OWNER Lester E & Anna M. Wolfe
ADDRESS Rt. #2, Belington, WV 26250
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart
ADDRESS Box 345, Jane Lew, Wv
PERMIT ISSUED 7-11-83
DRILLING COMMENCED 9-16-83
DRILLING COMPLETED 9-22-83
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cowl.			
11 3/4" XXXXX	---	30'	---
9 5/8			
8 5/8	997'	967.4'	235 sks.
7			
5 1/2			
4 1/2	5521	5319.15	400 sks
3			
1 1/2" XXX	---	5071'	---
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5950 feet
Depth of completed well 5521 feet Rotary X / Cable Tools
Water strata depth: Fresh 66'-418' feet; Salt feet
Coal seam depths: 165-170', 284-286' Is coal being mined in the area? No

WELL FLOW DATA
Producing formation 1st Elk, 2nd Elk, Benson See Well Treatment
Haverty, Frib Pay zone depth Details feet
Gas: Initial open flow 35 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 561 Mcf/d Oil: Final open flow 0 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 1675 psig (surface measurement) after 4 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

9/27/83 Benson:	9/27/83 Frac. 1st, 2nd Elk & Benson
3926 - 3928' (2)	Formation broke @ 1750#. ISIP 1750#, 5 min
9/27/83 1st Elk:	1600#. Avg. pump rate 30 BPM @ 2903#. Used
4131 - 4138' (2), 4140 - 4141' (2)	602 BW, 750 gal MOD202 acid, 15,000# 80/100
4155 - 4157' (2), 4158 - 4160' (2)	sand, 45,000# 20/40 sand.
9/27/83 2nd Elk: 4436 - 4438' (2)	
9/27/83 Haverty:	9/27/83 Frac. Haverty/Frib:
5126' (1)	Formation broke @ 2600#. ISIP 2000#, 5 min
5129 - 5131' (2)	1900#. Avg pump rate 28.6 BPM @ 2927#. Used
5147 - 5155' (8)	766 BW, 500 gal MOD202 acid, 15,000# 80/100
9/27/83 Frib:	sand, 45,000# 20/40 sand.
5219 - 5221' (3)	

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fluids and salt water, coal, oil and gas
<u>Taken from Drillers Log</u>			
Fill	0	15	
Shale	15	47	
Sand	47	66	1/4" stream water @ 66'
Shale	66	72	
Sand	72	108	
Shale	108	120	
Sand	120	165	
Coal	165	170	
Shale and sand	170	276	
Sand	276	284	
Coal	284	286	
Shale	286	372	
Sand	372	385	
Shale	385	401	
Sand	401	418	
Shale	418	450	1/2" stream water
Sand	450	556	
Shale	556	594	
Sand and shale	594	812	
Sand	812	845	
Shale	845	863	
Redrock	863	1014	
Shale	1014	1025	
Redrock	1025	1065	
Shale	1065	1134	
Sand	1134	1181	
Shale	1181	1299	Gas check @ 1231 - no show
Big Lime	1299	---	
<u>Taken from CDL</u>			
Big Lime	----	1414	
Big Injun	1414	1520	
Shale	1520	1564	
Silt and shale	1564	1679	
Berea	1679	1729	
Shale	1729	1738	Gas check @ 1711 - no show
Gantz	1738	1812	
Silt	1812	1916	
Shale	1916	1940	(Continued on page 2)

Berea Oil and Gas Corp.

Well Operator

By: Thomas E. Riley, P.E., Manager of Engineering

Date May 30, 1984

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic
 detailed geological record of all formations, including
 coal, encountered in the drilling of a well."

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ET

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all gas and salt water, coal, oil and
Continued from page one					
Gordon			1940	2123	
Shale			2123	2127	
Fourth Sand			2127	2240	
Shale and silt			2240	2263	
Fifth Sand			2263	2363	Gas check @ 2253 - no show
Shale			2363	2492	
Bayard			2492	2534	Gas check @ 2464 - no show
Shale			2534	2600	
Shale and silt			2600	2702	Gas check @ 2554 - 41 Mcf
Shale			2702	2728	
Speechley			2728	2798	
Shale			2798	2859	
Balltown			2859	3098	Gas check @ 2862 - 33 Mcf
Shale			3098	3164	
Shale and silt			3164	3260	Gas check @ 3170 - 33 Mcf
Bradford			3260	3400	
Shale			3400	3480	
Silt			3480	3571	
Shale and silt			3571	3750	
Shale			3750	3776	
Riley			3776	3841	
Shale			3841	3922	
Benson			3922	3994	Gas check @ 3914 - 31 Mcf
Shale and silt			3994	4128	
1st Elk			4128	4284	
Shale			4284	4332	
2nd Elk			4332	4500	
Shale			4500	4542	
3rd Elk			4542	4639	
Shale and silt			4639	4727	
4th Elk			4727	4798	
Shale			4798	4838	
Silt and shale			4838	5014	
Shale			5014	5090	
Haverty			5090	5190	Gas check @ 5107 - 24 Mcf
Frib			5190	5278	
Shale			5278	5342	
Fox			5342	5360	
Shale			5360	5521	Gas check @ TD - 35 Mcf

(Attach separate sheets as necessary)

Berea Oil And Gas Corp.
 Well Operator

Thomas E. Riley
 T. Thomas E. Riley, P.E. Manager of Engineering

10/20/2023

Date: May 30, 1984

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

IR-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

(7-11-83)

Berea Oil & Gas

MAY 15 1986

WELL TYPE _____
ELEVATION _____
DISTRICT Glade
QUADRANGLE _____
COUNTY Barbour

API# 47- 001 - 1949
OPERATOR Convest Energy
TELEPHONE _____
FARM Wolfe
WELL # 2

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 5-6-86

Phillip Tracy 10/20/2023
Inspector's signature

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 001 - 2 - 1949 - 0000			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	102 Section of NGPA	3-1st Elk, 3rd Elk, Haverty Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5221 feet		NOV 9 1983	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Berea Oil And Gas Corp. Name P O Box 299 Street Bridgeport, West Virginia City		26330 Zip Code	OIL & GAS DIVISION DEPT. OF MINES
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Glade District Field Name Barbour County			
(b) For OCS wells:	N/A		Block Number	
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wolfe #2			
(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.)	Brooklyn Union Gas Company Name			
(b) Date of the contract:	Not available		Mo. Day Yr.	
(c) Estimated total annual production from the well:	15.3 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3 . 5 4 2	0 . 3 3 5	----- 3 . 8 7 7
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3 . 5 4 2	0 . 3 3 5	----- 3 . 8 7 7
9.0 Person responsible for this application:	Thomas E. Riley, P.E., Manager of Engineering			
Agency Use Only	Name		Title	
Date Received by Juris. Agency	Signature		(304) 842-6931	
Date Received by FERC	11/8/83		Phone Number	
	Date Application is Completed			

FERC-121 (8-82)

10/20/2023

PARTICIPANTS:

DATE: FEB 9 1984

BUYER-SELLER CODE

WELL OPERATOR: Berea Oil & Gas Corp

FIRST PURCHASER: Brooklyn Union Gas

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
83 11 09-102-001-1949
 Use Above File Number on all Communications
 Relating to Determination of this Well

APPROVED
 FEB 21 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7,080 C
- 2. IV-1 Agent Thomas Riley
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - (52) - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 9-16-83 Date completed 9-22-83 Deepened
3926-28, 4155-57, 4158-60 5126 5147-55
- (5) Production Depth: 4131-38 4140-41 4436-38 5129-31 5219-5221
- (5) Production Formation: Benson, 1st & 2nd E1E Haverly / Frib
- (5) Final Open Flow: 561 mcf
- (5) After Frac. R. P. 1675 #1 4 hrs
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information 10/20/2023
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

Operator's Well No. Wolfe #2

API Well No. 47 - 001 - 1949
State County Termite

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

OPERATOR Berea Oil And Gas Corp.
P O Box 299
Bridgeport, WV 26330

DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P O Box 299
Bridgeport, WV 26330

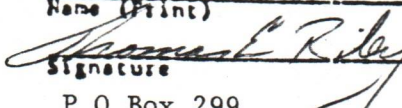
Purchase Contract No. Not available and Date Not available
(Month, Day and year)

Buyer's Name Not available
Name of First Purchaser Brooklyn Union Gas Company
195 Montague Street
(Street or P. O. Box)
Brooklyn NY 11201
(City) (State) (Zip Code)

FERC Seller Code _____ FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- X) (1) Initial determination (See FERC Form 121.) Section of NGPA 102 Code 3/1st Elk, 3rd Elk,
- (2) Determination that increased production is the result of enhanced recovery technology. Category Code Haverty & Frib
- (3) Determination of a seasonally affected well.

Thomas E. Riley, P.E., Manager of Engineering
Name (Print) Title

Signature
P O Box 299
Street or P. O. Box
Bridgeport WV 26330
City State (Zip Code)
() (304)842-6931
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

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 1975. (NGPA); 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.

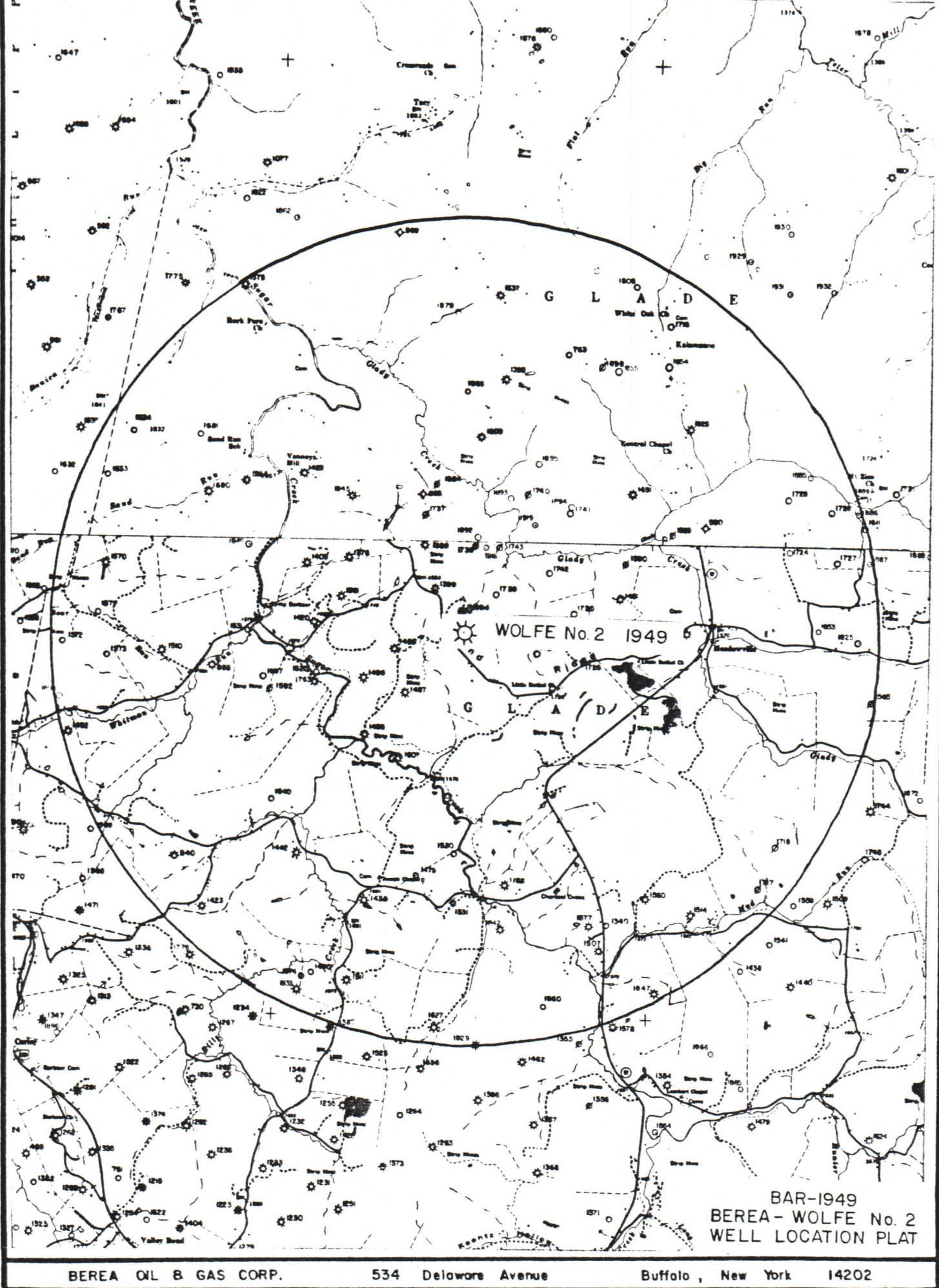
Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will be determined.

WEST VIRGINIA DEPARTMENT OF MINES

NOV 9 1983

Received by _____
Jurisdictional Agency

Director
By 
Title _____
10/20/2023



BEREA OIL & GAS CORP.

534 Delaware Avenue

Buffalo, New York 14202

10/20/2023

EXHIBIT "A"

BEREA OIL & GAS CORP. - WOLFE #2 (47-001-1949)
BARBOUR COUNTY, WEST VIRGINIA

Identification of all wells within 2.5 mile radius of the applicant well, listing API number, lease name, well number, operator, date spudded, and status.

<u>A.P.I. NO.</u>	<u>FARM NAME</u>	<u>WELL NO.</u>	<u>OPERATOR</u>	<u>DATE SPUDED</u>	<u>DEPTH *</u>	<u>STATUS</u>
47-001-589	Stemple	#1	Congas	6-26-72		D & A
47-001-590	Holsberry	#1	Congas	6-13-72		D & A
47-001-683	Stanley/Conrad	#1	Monitor Petroleum	12-14-74		D & A
47-001-694	Wolfe	#1	Monitor Petroleum	12-23-74	694'	Gas (Marker)
47-001-853	Lindsey-Bryant	#1	Congas	10-24-77		Gas
47-001-1168	O.C.Riggs	#1	Congas	9-10-79		Gas
47-001-1364	Conrad/Stanley	#1	Mert Development	7-6-80		Gas
47-001-1375	Kines	#1	Mert Development	10-9-80		Gas
47-001-1376	Upton	#1	Mert Development	8-13-80		Gas
47-001-1387	R. L. Carpenter	#1	Berea Oil & Gas	12-31-80		Gas
47-001-1389	R. Booth	#1	Mert Development	7-16-80		Gas
47-001-1398	Schupp	#1	Mert Development	9-10-80		Gas
47-001-1399	Straughn	#1	Mert Development	7-26-80		Gas
47-001-1408	L. Sipe	#4	Mert Development	8-4-80		Gas
47-001-1420	Eisman	#1	Mert Development	8-23-80		Gas
47-001-1429	Holsberry	#1	Mert Development	8-23-80		Gas
47-001-1442	Kelly Etux	B-56-1	Gene Stalnakar	12-27-80		Gas
47-001-1452	Gainer	#1	Mert Development	10-30-80		Gas
47-001-1461	Lewis	#1	Mert Development	12/80 Completed *		Gas
47-001-1475	L.Ware	#1	Fox Drilling	5-21-81		Gas
47-001-1486	Ross	#2	Swift Energy	8-8-81		Gas
47-001-1487	Ross	#3	Swift Energy	8-2-81		Gas
47-001-1488	Ross	#4	Swift Energy	6-27-81		Gas

* Spud date unknown, date shown is completion date

10/20/2023

EXHIBIT "A"

BEREA OIL & GAS CORP. - Wolfe #2 (47-001-1949)
BARBOUR COUNTY, WEST VIRGINIA

Identification of all wells within 2.5 mile radius of the applicant well, listing API number, lease name, well number, operator, date spudded, and status.

<u>A. F. I. NO.</u>	<u>FARM NAME</u>	<u>WELL NO.</u>	<u>OPERATOR</u>	<u>DATE SPUDED</u>	<u>DEPTH *</u>	<u>STATUS</u>
47-001-1507	A. Harris	#1	Mert Development	2-28-81		Gas
47-001-1508	Bolyard	#1	Mert Development	3-25-81		Gas
47-001-1510	Kennedy	#1	Mert Development	4-8-81		Gas
47-001-1511	E. Matkins	#1	Berea Oil & Gas	2-5-81		Gas
47-001-1514	F. Ware	#1	Mert Development	3-8-81		Gas
47-001-1561	Martin	#1	Mert Development	7-28-81		Gas
47-001-1570	Big Oak	#2	Fox Drilling	10-1-81		Gas
47-001-1571	Big Oak	#3	Fox Drilling	6-25-81		Gas
47-001-1572	Big Oak	#4	Fox Drilling	7-19-81		Gas
47-001-1573	Stemple	#5	Fox Drilling	6-19-81		Gas
47-001-1577	D & D Lumber	#1	Mert Development	7-23-81		Gas
47-001-1579	J. Marsh	#1	Mert Development	7-8-81		Gas
47-001-1584	W. Booth	#1	Berea Oil & Gas	5-8-82		Gas
47-001-1607	Ross	#5	Swift Energy	8-13-81		Gas
47-001-1625	Murphy	#1	Fox Drilling	12-6-81		Gas
47-001-1627	Goodwin	#1	Berea Oil & Gas	10-13-81		Gas
47-001-1634	Wilt	#3	Fox Drilling	10-19-81		Gas
47-001-1635	Wilt	#2	Fox Drilling	10-25-81		Gas
47-001-1637	Plevich	#1	Fox Drilling	11-1-81		Gas
47-001-1660	J. Michael	#1	Berea Oil & Gas	12-29-81		Gas
47-001-1680	R. Shanabarger		J & J Enterprises	1-13-82		Gas
47-001-1681	R. Shanabarger		J & J Enterprises	1-20-82		Gas
47-001-1829	I. Findley	#1	Berea Oil & Gas	2-28-82		Gas
47-001-1833	R. Carpenter	#1	Berea Oil & Gas	9-13-82		Gas
47-001-1842	R. Riffle	#1	Berea Oil & Gas	9-20-82		Gas

10/20/2023

EXHIBIT "A"

BEREA OIL & GAS CORP. - WOLFE #2 (47-001-1949)
 BARBOUR COUNTY, WEST VIRGINIA

Identification of all wells within 2.5 mile radius of the applicant well, listing API number, lease name, well number, operator, date spudded, and status.

<u>A. F. I. NO.</u>	<u>FARM NAME</u>	<u>WELL NO.</u>	<u>OPERATOR</u>	<u>DATE SPUDDED</u>	<u>DEPTH *</u>	<u>STATUS</u>
47-001-1845	E. Bennett	#1	Berea Oil & Gas	10-6-82		Gas
47-001-1847	C. Troendle	#1	Berea Oil & Gas	10-27-82		Gas
47-001-1958	E. Bennett	#2	Berea Oil & Gas	8-5-83		Gas

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

DATE November 8, 1983

Operator's
Well No. Wolfe #2

API Well No. 47 - 001 - 1949
State County Permit

WELL CLASSIFICATION FORM

WELLS DRILLED MORE THAN 1,000 FEET DEEPER THAN A MARKER WELL

NGPA Section 102(c)(1)(B)(ii) Category 3

DESIGNATED AGENT Thomas E. Riley, P.E.

ADDRESS P O Box 299
Bridgeport, WV 26330

WELL OPERATOR Berea Oil And GAS Corp.

ADDRESS P O Box 299
Bridgeport, WV 26330

LOCATION: Elevation 1690'

Watershed Glady Creek

District Glade County Barbour Quad Belington

GAS PURCHASER Brooklyn Union Gas Company

ADDRESS 195 Montague Street
Brooklyn, NY 11201

Gas Purchase Contract No. Not available

Meter Chart Code not available

Date of Contract Not available

* * * * *

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:

Checked logs, B & O records, production figures available. Record located in our well files. Appalachian Well Log Services, Midland, Texas. State of W. Va. Geological drilling samples report and completion reports review carefully. Reviewed API well cards located in house.

Describe the search made of any records listed above:

Reviewed logs and pay section - our files. Drew well location plat showing all wells within a 2.5 mile radius of applicant well identifying deepest completion, and prepared exhibit identifying all wells within a 2.5 mile radius of applicant well identifying deepest completion.

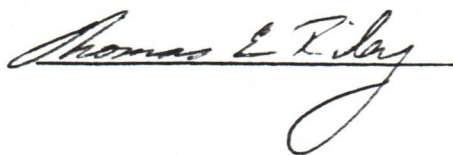
Are there any records not reasonably available to you which may contain information relevant to a determination of eligibility? Yes ___ No X. If yes, identify such records and indicate their location, if known:

10/20/2023

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, Thomas E. Riley, having been first duly 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, there is no marker well within 2.5 miles of the well for which this determination is sought which has a completion location less than 1,000 feet above the completion location of the said well for which determination is sought.




STATE OF WEST VIRGINIA
COUNTY OF Harrison, TO WIT:

I, Hattie E. Kerns, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Riley, whose name is signed to the writing above, bearing date on the 8th day of November, 1983, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 8th day of November, 1983.

My term of office expires on the 3rd day of January, 1983.

[NOTARIAL SEAL]


Notary Public

* * * * *

BOTTOM HOLE PRESSURE DATA

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

$$P_w + P_w (e^{GL/53.34T-1})$$

Where as: PW = 1689.73psia
G = .65
L = 4573.5'
T = 561°R

$$\underline{\text{BHP} = 1867.5 \text{ psia}}$$

10/20/2023

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

RECEIVED
NOV 9 1983

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 001 - 2 - 1949 - 9000			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5221			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Berea Oil And Gas Corp. Name P O Box 299 Street Bridgeport WV 26330 City State Zip Code			Seller Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.) (b) For OCS wells:	Clady District Field Name Barbour WV County State			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wolfe #2			
(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.) (b) Date of the contract:	Brooklyn Union Gas Company Name			Buyer Code
(c) Estimated total annual production from the well:	15.3 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2 8 3 3 -----	0 2 6 8 -----	----- ----- -----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2 . 8 3 3 -----	0 2 6 8 -----	----- ----- -----
9.0 Person responsible for this application:	Thomas E. Riley, P.E., Manager of Engineering			
Agency Use Only	Name <u>Thomas E. Riley</u>			Title
Date Received by Juris. Agency NOV 9 1983	Signature <u>Thomas E. Riley</u>			(304)842-6931
Date Received by FERC	Date Application is Completed <u>11/8/83</u>			Phone Number

FERC-121 (8-82)

10/20/2023

FEB 9 1984

DATE:

BUYER-SELLER CODE

PARTICIPANTS:

WELL OPERATOR: Berea Oil & Gas Corp

FIRST PURCHASER: Brooklyn Union Gas Co

OTHER: _____

APPROVED

MAR 15 1984

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
83 1109-103-001-1949
 Use Above File Number on all Communications
 Relating to Determination of this Well

1500' Radius
 001-694 → Plugged
 001-1738 → Never Drilled
 Qualifies
 [Signature]

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 Items not completed - Line No. 7.0, 8.0 c
2. IV-1 Agent Thomas Riley
3. IV-2 Well Permit
4. IV-6 Well Plat
5. IV-35 Well Record Drilling Deepening
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
7. IV-39 Annual Production years
8. IV-40 90 day Production Days off line: _____
9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 9-16-83 Date completed 9-22-83 Deepened _____
- (5) Production Depth: 3926-28 4131-38 4146-41 5126 5129-31 5147-55 5219-21
- (5) Production Formation: Benson 1st + 2nd Elk Haverly Frib
- (5) Final Open Flow: 561 mcf
- (5) After Frac. R. P. 1675 # 4 hrs
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- 17. Does lease inventory indicate enhanced recovery being done No
- 17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? 10/20/2023
Yes
- Additional information _____ Does computer program confirm? _____
- Determination Objected to _____ By Whom? _____

112-781

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

Date November 8, 1983
Operator's Well No. Wolfe #2
API Well No. 47 - 001 - 1949
State County Term
Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

OPERATOR Berea Oil And Gas Corp.
ADDRESS P O Box 299
Bridgeport, WV 26330
Purchase Contract No. Not available and Date Not available
Order Chart Code not available

DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P O Box 299
Bridgeport, WV 26330

Name of First Purchaser Brooklyn Union Gas Company
195 Montague Street
Brooklyn NY 11201
(City) (State) (Zip Code)

FERC Seller Code _____ FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

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

Thomas E. Riley, P.E., Manager of Engineering
Name (Print) Title
Thomas E. Riley
Signature
P O Box 299
Street or P. O. Box
Bridgeport WV 26330
City State (Zip Code)
() (304)842-6931
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

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 respecting the requirements of Section _____ under the Natural Gas Policy Act of 1976, or for determination that increased production is the result of enhanced recovery technology under Section 10B of (NGPA); or for determination of a seasonally affected well under Section 10B 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

NOV 9 1983

Received by _____
Jurisdictional Agency

Director _____
By _____ 10/20/2023
Title _____

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

Date 11/8, 1983

Operator's Well No. Wolfe #2
API Well No. 47 - 001 - 1949
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Thomas E. Riley, P.E.

ADDRESS P O Box 299
Bridgeport, WV 26330

LOCATION: Elevation 1690'

Watershed Glady Creek

Dist. Glady County Barbour Quad. Belington

Gas Purchase Contract No. Not available

Meter Chart Code Not available

Date of Contract Not available

WELL OPERATOR Berea Oil And Gas Corp.

ADDRESS P O Box 299

Bridgeport, WV 26330

GAS PURCHASER Brooklyn Union Gas Co.

ADDRESS 195 Montague Street

Brooklyn, NY 11201

* * * * *

Date surface drilling was begun: 9/16/83

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

$P_w + P_w (e GL/ 53.34T -1)$

Where as: PW = 1689.73 psia
G = .65
L = 4573.5'
T = 561°R

BHP = 1867.5 psia

AFFIDAVIT

I, Thomas E. Riley, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

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

I, Hattie E. Kerns, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Riley, whose name is signed to the writing above, bearing date the 8th day of November, 1983, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 8th day of November, 1983. My term of office expires on the 3rd day of January, 1993.

[NOTARIAL SEAL]

10/20/2023

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
NOV 9 1983

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 001 - 2 - 1949 - 0000			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	3 Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5221 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Berea Oil And Gas Corp. Name			Seller Code
	P O Box 299 Street			
	Bridgeport,	West Virginia	26330 Zip Code	
	City State		Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Glade District Field Name			
	Barbour		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.)	Wolfe #2			
(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.)	Brooklyn Union Gas Company Name			Buyer Code
(b) Date of the contract:	Not available Mo. Day Yr.			
(c) Estimated total annual production from the well:	15.3 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.666	0.535	----- 6.201
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.666	0.535	----- 6.201
9.0 Person responsible for this application:	Thomas E. Riley, P. E., Manager of Engineering			
Agency Use Only	Name		Title	
Date Received by Juris. Agency	<i>Thomas E. Riley</i> Signature			
Date Received by FERC	November 8, 1983 Date Application is Completed		(304)842-6931 Phone Number	

FERC-121 (8-82)

10/20/2023

PARTICIPANTS:

DATE: FEB 3 1984

BUYER-SELLER CODE

WELL OPERATOR: Berea Oil & Gas Corp

FIRST PURCHASER: Brooklyn Union Gas

OTHER:

Our Copy

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
83 11 09 - 107-001-1949
Use Above File Number on all Communications
Relating to Determination of this Well

APPROVED

FEB 22 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 [check] Items not completed - Line No. 7.0, 8.0 C
2. IV-1 Agent Thomas Riley
3. IV-2 Well Permit
4. IV-6 Well Plat [check]
5. IV-35 Well Record [check] Drilling [check] Deepening
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
7. IV-39 Annual Production years
8. IV-40 90 day Production Days off line:
9. IV-48 Application for certification. Complete?
10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? [check] Affidavit Signed [check]
18-28. Other: Survey Logs Geological Charts
Structure Map 1: 4000 Map Well Tabulations
Gas Analyses
(5) Date commenced: 9-16-83 Date completed 9-22-83 Deepened
(5) Production Depth: 3926-28 4131-38 4140-41 5126 4158-60 4436-38 5129-31 5447-55 5219-21
(5) Production Formation: Benson 1st + 2nd Elk Haverly Frisb
(5) Final Open Flow: 561 mcf
(5) After Frac. R. P. 1675 # 4 hrs
(6) Other Gas Test:
(7) Avg. Daily Gas from Annual Production:
(8) Avg. Daily Gas from 90-day ending w/1-120 days
(8) Line Pressure: PSIG from Daily Report
(5) Oil Production: From Completion Report
10-17. Does lease inventory indicate enhanced recovery being done No
10-17. Is affidavit signed? [check] Notarized? [check]
Does official well record with the Department confirm the submitted information? 10/20/2023
Additional information Does computer program confirm?
Was Determination Objected to By Whom?

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's Well No. Wolfe #2

API Well No. 47 - 001 - 1949 State County Termite

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

OPERATOR Berea Oil And Gas Corp. P O Box 299 Bridgeport, WV 26330

DESIGNATED AGENT Thomas E. Riley, P.E. ADDRESS P O Box 299 Bridgeport, WV 26330

Purchase Contract No. not available and Date Not available (Month, Day and year)

Water Chart Code not available

Name of First Purchaser Brooklyn Union Gas Company 195 Montague Street Brooklyn NY 11201 (City) (State) (Zip Code)

FERC Seller Code FERC Buyer Code

TYPE OF DETERMINATION BEING SOUGHT:

- X (1) Initial determination (See FERC Form 121.) Section of NGPA 107 Category Code 3
(2) Determination that increased production is the result of enhanced recovery technology.
(3) Determination of a seasonally affected well.

Thomas E. Riley, P.E., Manager of Engineering Name (Print) Title
Signature
P O Box 299 Street or P. O. Box
Bridgeport WV 26330 City State (Zip Code)
() (304) 842-6931 Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

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... under the Natural Gas Policy Act of 1975... or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the day of at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be held 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... unless objections are timely filed or a request for a hearing is made within fifteen (15) days... hearing will not be held except on ex parte motion of the Department and the matter will be determined.

WEST VIRGINIA DEPARTMENT OF MINES

NOV 9 1983

Director 10/20/2023
By
Title

Received by Jurisdictional Agency

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Berea Oil & Gas Corp.

Agent: Thomas E. Riley

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-001-1949

Well Name: Wolfe #2

West Virginia Office of Oil and Gas
References: SJA File No.

County: Barbour

Vol. Page Line

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 200 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = 140 * API Units
2. Calculation: $\frac{0.7 \text{ (GR Value at Base Line)}}{0.7 \text{ (} \underline{200} \text{ *)} = \underline{140} \text{ API Units}$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
1729'	5521'	3792'	173'

Total Devonian Interval 3792'

Total Less Than 0.7 (Shale Base)

173'

% Less Than 0.7 (Shale Base Line) = $\frac{.0456}{.0456} \times 100 = \underline{4.56\%}$

10/20/2023

*Marked on log included with analysis.

**Top of Devonian Section Recorded on First Interval in this Column.

***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

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

Date 11/8/83
Operator's Well No Wolfe #2
API Well No 001 1949
State WV

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
MGA Section 107

WELL OPERATOR Berea Oil And Gas Corp.
ADDRESS P O Box 299
Bridgeport, WV 26330

GAS PURCHASER Brooklyn Union Gas Company
ADDRESS 195 Montague Street
Brooklyn, NY 11201

DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P O Box 299
Bridgeport, WV 26330
LOCATION: Elevation 1690'
Watershed Glady Creek
Dist Glade County Barbour Road Belington
Gas Purchase Contract No Not available
Meter Chart Code not available
Date of Contract Not available

* * * * *

Date surface drilling began: 9/16/83

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

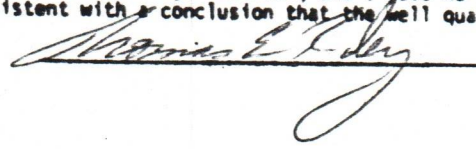
$P_w + P_w (e^{GL/53.34T} - 1)$

Shere as: PW = 1689.73 psia
G = .65
L = 4573.5'
T = 561°R

BHP = 1867.5 psia

AFFIDAVIT

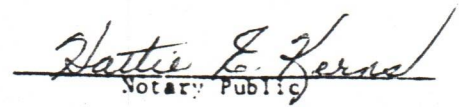
I, Thomas E. Riley, having been first sworn according to law, state that, I have calculated the percentage of footage of the producing interval which is not Devonian shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described subparagraph (3)(1) or (3)(1)(A) has been filed, or as indicated by the report described in subparagraph (3)(1)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.



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

I, Hattie E. Kerns, a Notary Public in and for the state and county aforesaid do certify that Thomas E. Riley, whose name is signed to the writing above, bearing date the 8th day of November, 1983, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 8th day of November, 1983.
My term of office expires on the 3rd day of January, 1993.


Notary Public

[NOTARIAL SEAL]

10/20/2023

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)

RECEIVED
NOV 9 1983

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 001 - 2 - 1949 - 0000				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	6 Category Code			
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5221 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Berea Oil And Gas Corp. Name P O Box 299 Street Bridgeport WV 26330 City State Zip Code			Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Glady District Field Name Barbour WV County State				
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wolfe #2				
(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.)	Brooklyn Union Gas Company Name Buyer Code				
(b) Date of the contract:	Not available Mo. Day Yr.				
(c) Estimated total annual production from the well:	15.3 Million Cubic Feet				
		(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.)	S/MMBTU	5.666	0.535	-----	6.201
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.666	0.535	-----	6.201
9.0 Person responsible for this application:	Thomas E. Riley, P.E., Manager of Engineering Name Title <i>Thomas E Riley</i> Signature 11/8/83 Date Application is Completed (304)842-6931 Phone Number				

Agency Use Only
Date Received by Jurisdiction
NOV 9 1983
Date Received by FERC

FERC-121 (8-82)

10/20/2023

FEB 9 1984

DATE:

BUYER-SELLER CODE

PARTICIPANTS:

WELL OPERATOR:

Berea Oil & Gas Corp 4650

FIRST PURCHASER:

Brooklyn Union Gas 630

OTHER:

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

WELL DETERMINATION FILE NUMBER

83 11 09 -107-001: 1949

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

TF

Benson

QUALIFIED

TF

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7.0, 8.0 c
- 2. IV-1 Agent Thomas Riley
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production years
- 8. IV-40 90 day Production Days off line:
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey Logs Geological Charts
 Structure Map 1: 4000 Map Well Tabulations
 Gas Analyses

(5) Date commenced: 9-16-83 Date completed 9-22-83 Deepened

(5) Production Depth: 3926-28 4131-38 4140-41 5126
4155-57 4158-60 4436-38 5129-31 5147-55 5219-2

(5) Production Formation: Benson 1st + 2nd Elk Haverly Frib

(5) Final Open Flow: 561 mcf

(5) After Frac. R. P. 1675 # 4 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 Re

(5) Oil Production: From Completion Report

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

10-17. Is affidavit signed? Notarized? 10/20/2023

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

Additional information Does computer program confirm?

Was Determination Objected to By Whom?

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

Date November 8, 1983

Operator's Well No. Wolfe #2

API Well No. 47 State 001 County 1949 Term

Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

OPERATOR Berea Oil And Gas Corp.
P O Box 299
Bridgeport, WV 26330

DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P O Box 299
Bridgeport, WV 26330

Purchase Contract No. Not available and Date Not available
(Month, Day and year)

First Purchaser Brooklyn Union Gas Company
195 Montague Street
(Street or P. O. Box)
Brooklyn NY 11201
(City) (State) (Zip Code)

FERC Seller Code _____ FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- X] (1) Initial determination (See FERC Form 121.) Section of NGPA 107 Category Code 6
-] (2) Determination that increased production is the result of enhanced recovery technology.
-] (3) Determination of a seasonally affected well.

Thomas E. Riley, P.E., Manager of Engineering
Name (Print) Title

Thomas E. Riley
Signature

P O Box 299
Street or P. O. Box
Bridgeport WV 26330
City State (Zip Code)
() (304)842-6931
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

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 1976 (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

NOV 9 1983

Received by _____
Jurisdictional Agency

Director
By Thomas E. Riley
Title _____

10/20/2023

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

Date November 8, 1983

Operator's Well No. Wolfe #2

API Well No. 001 1949
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL—NEW TIGHT FORMATION
NGPA Section 107

DESIGNATED AGENT Thomas E. Riley, P.E.

ADDRESS P O Box 299
Bridgeport, WV 26330

WELL OPERATOR Berea Oil And Gas Corp.
ADDRESS P O Box 299
Bridgeport, WV 26330

LOCATION Elevation 1690'
Watershed Glady Creek
Dist Glady County Barbour Quad Belington

GAS PURCHASER Brooklyn Union Gas Co.
ADDRESS 195 Montague Street
Brooklyn, NY 11201

Gas Purchase Contract No. Not available
Meter Chart Code not available
Date of Contract Not available

* * * * *

Date surface drilling began 9/16/83

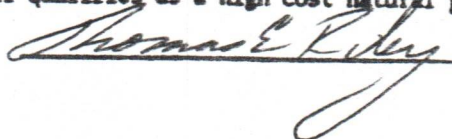
Indicate the bottom hole pressure of the well and explain how this was calculated.

$P_w + P_w (e^{GL/53.34T} - 1)$

Where as: PW = 1689.73 psia
G = .65
L = 4583.5' BHP = 1867.5 psia
T = 561°R

AFFIDAVIT

I, Thomas E. Riley, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun on or after July 16, 1979, the gas is being produced from a designated tight formation and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.



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

I, Hattie E. Kerns, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Riley, whose name is signed to the writing above, bearing date the 8th day of November, 1983, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 8th day of November, 1983.
My term of office expires on the 3rd day of January, 1993.


Notary Public

[NOTARIAL SEAL]

10/20/2023



**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number. (If not assigned, leave blank. 14 digits.)	47 - 001 - 2-1949 - 0000			
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	1 08 <small>Section of NGPA</small>	Code 0 <small>Category Code</small>		
3.0 Depth of the deepest completion location (Only needed if sections 103 or 107 in 2.0 above.)	N/A feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	Berea Oil & Gas Corp. <small>Name</small>			<small>Seller Code</small>
	P. O. Box 299 <small>Street</small>			
	Bridgeport,	West Virginia	26330 <small>City State Zip Code</small>	
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Glade District <small>Field Name</small>			
	Barbour	WV		
	<small>County State</small>			
(b) For OCS wells:	N/A			
	<small>Area Name</small>		<small>Block Number</small>	
	Date of Lease:			
	_ _ _ _ _ _ _			_ _ _
	<small>Mo. Day Yr</small>			<small>OCS Lease Number</small>
(c) Name and identification number of this well: (35 letters and digits maximum.)	Wolfe #2			
(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.)	Brooklyn Union Gas Company <small>Name</small>			<small>Buyer Code</small>
(b) Date of the contract:	Not available			
	_ _ _ _ _ _ _			
	<small>Mo. Day Yr</small>			
(c) Estimated total annual production from the well:	15 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)
7.0 Contract price. (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3.942	0.341	----- 4.283
8.0 Maximum lawful rate. (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3.942	0.341	----- 4.283
9.0 Person responsible for this application:	Thomas E. Riley, P.E., Manager of Engineering			
<small>Agency Use Only</small>	<small>Name</small>			<small>Title</small>
<small>Date Received by Juris. Agency</small>	<i>Thomas E Riley</i>			<small>Signature</small>
<small>Date Received by FERC</small>	May 29, 1984			<small>Date Application is Completed</small>
				(304)842-6931 <small>Phone Number</small>

MAY 30 1984

10/20/2023

MAY 30 1984

Form Approved
OMB No. 1902-0038
(Expires 12/31/84)

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

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

2020/10/10

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.
Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 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. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.
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) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA	Category	Description
102	(b)	(c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15 000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well - seasonally affected
108	2	Stripper well - enhanced recovery
108	3	Stripper well - temporary pressure buildup
108	4	Stripper well - protect procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No.	Contract Date (Mo., Da., Yr)	Purchaser	Buyer Code
1	(a)	(b)	(c)
2			
3			
4			
5			
6			

Remarks:

FR-121 (8-82)

PARTICIPANTS:

DATE: JUN 15 1984

BUYER-SELLER

WELL OPERATOR: Berea Oil and Gas Corp.

FIRST PURCHASER: Breaklyn Union Gas Co.

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
840531-108-001-1949
 Use Above File Number on all Communications
 Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 _____ Items not completed - Line No. _____
- 2. IV-1 Agent _____
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat _____
- 5. IV-35 Well Record _____ Drilling _____ Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years _____
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete? _____
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _____ Affidavit Signed _____
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: _____ Date completed _____ Deepened _____
- (5) Production Depth: _____
- (5) Production Formation: _____
- (5) Final Open Flow: _____
- (5) After Frac. R. P. _____
- (6) Other Gas Tests: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____
- (9) Oil Production: _____ From Completion Report _____
- 10-17. Does lease agreement indicate enhanced recovery being done? _____
- 10-17. Is affidavit signed? _____ Notarized? _____
- Does official well record with the Department conform the submitted information? _____
- Additional operators: _____ Does computer program conform? _____
- Who does operator connect to? _____ By whom? _____

10/20/2023

STATE APPLICATION FOR WELL CLASSIFICATION

OPERATOR Berea Oil & Gas Corp.
P. O. Box 299
Bridgeport, WV 26330

DESIGNATED AGENT Thomas E. Riley, P.E.
ADDRESS P. O. Box 299
Bridgeport, WV 26330

Purchase Contract No. Not available and Date Not available
(Month, Day and year)

Contract Code Not available

Name of First Purchaser Brooklyn Union Gas Company
195 Montague Street
(Street or P. O. Box)
Brooklyn, NY 11201
(City) (State) (Zip Code)

Seller Code _____ IERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See IERC Form 121.) 108 Section of NCPA Code 0 Category Code
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Thomas E. Riley, P.E., Manager of Engineering
Name (Print) TR
Thomas E Riley
Signature
P. O. Box 299
Street or P. O. Box
Bridgeport WV 26330
City State (Zip Code)
() (304)842-6931
Area Phone Number
Code

(Attaches of Proof of Service to Purchaser)

(If the above to be completed by the Operator/Applicant)

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

The Department of Mines has received a request for certification of the above described well meeting the requirements of Section _____ under the Natural Gas Policy Act of 1975, or for determination that increased production is the result of enhanced recovery technology under Section 10B of (NCPA); or for determination of a seasonally affected well under Section 10B of (NCPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at _____ of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be determined 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 eligible for certification as claimed under the Natural Gas Policy Act (NCPA). 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 be determined.

WEST VIRGINIA DEPARTMENT OF MINES

Thomas E. Riley
Director

10/20/2023

By _____
Title _____

MAY 30 1984

Received by _____
Jurisdictional Agency

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

Date May 29, 19 84

Operator's Well No. Wolfe # 2

API Well No. 47 - 001 - 1949
State County Permit

WELL CLASSIFICATION FORM

STRIPPER GAS WELL
NGPA Section 108

DESIGNATED AGENT Thomas E. Riley, P.E.

ADDRESS P. O. Box 299

Bridgeport, WV 26330

WELL OPERATOR Berea Oil & Gas Corp.

ADDRESS P. O. Box 299

Bridgeport, WV 26330

LOCATION Elevation 1690'

Watershed Glady Creek

Disglade County Barbour Quad Belington

GAS PURCHASER Brooklyn Union Gas Company

Gas Purchase Contract No. Not available

ADDRESS 195 Montague Street

Meter Chart Code Not Available

Brooklyn, NY 11201

Date of Contract Not Available

* * * * *

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)

Seperator
2 - 210 bbl. tanks
Meter

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:

B & O Tax Records
Royalty Check Records
Weekly Pumper Reports
Weekly Production Reports



Describe the search made of any records listed above.

A thorough and complete study of all available records was made with particular attention to the immediate 90 days prior to the report period.

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, Thomas E. Riley, 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.

Thomas E. Riley

STATE OF WEST VIRGINIA,

COUNTY OF Harrison TO WIT:

I, Hattie E. Kerns, a Notary Public in and for the state and county aforesaid, do certify that Thomas E. Riley, whose name is signed to the writing above, bearing date the 29th day of May, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 29th day of May, 1984.

My term of office expires on the 3rd day of January, 1993.



Hattie E. Kerns
Notary Public

10/20/2023

IV-39-WC

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

YEAR 1983

OPERATOR *Bertha Oil & Gas Corp.*

REPORT OF MONTHLY PRODUCTION
GAS VOLUMES IN MCF & 14.73
OIL IN BARRELS & 60 DEGREES

REPT. DATE 12/84

API 47001-1949 FARM *Woite #2* COUNTY *Barbour* AVG. FLOW PRESSURE _____ SHUT-IN PRESSURE _____ TOTAL _____

GAS MCF _____ OIL BRL _____ DAYS ON LINE _____ YEAR 1984

API 47001-1949 FARM *Woite #2* COUNTY *Barbour* AVG. FLOW PRESSURE _____ SHUT-IN PRESSURE _____ TOTAL _____

GAS MCF _____ OIL BRL _____ DAYS ON LINE _____ YEAR 1984

API 47001-1949 FARM *Woite #2* COUNTY *Barbour* AVG. FLOW PRESSURE _____ SHUT-IN PRESSURE _____ TOTAL _____

GAS MCF _____ OIL BRL _____ DAYS ON LINE _____ YEAR 1984

API 47001-1949 FARM *Woite #2* COUNTY *Barbour* AVG. FLOW PRESSURE _____ SHUT-IN PRESSURE _____ TOTAL _____

GAS MCF _____ OIL BRL _____ DAYS ON LINE _____ YEAR 1984

API 47001-1949 FARM *Woite #2* COUNTY *Barbour* AVG. FLOW PRESSURE _____ SHUT-IN PRESSURE _____ TOTAL _____

GAS MCF _____ OIL BRL _____ DAYS ON LINE _____ YEAR 1984

SUMMARIZATION SCHEDULE
Section 271.804 (b)

44.58 MCF/D 12 mo. period

RECEIVED

OIL & GAS DIV.
DEPT. OF MINES

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

Shut in by FRI

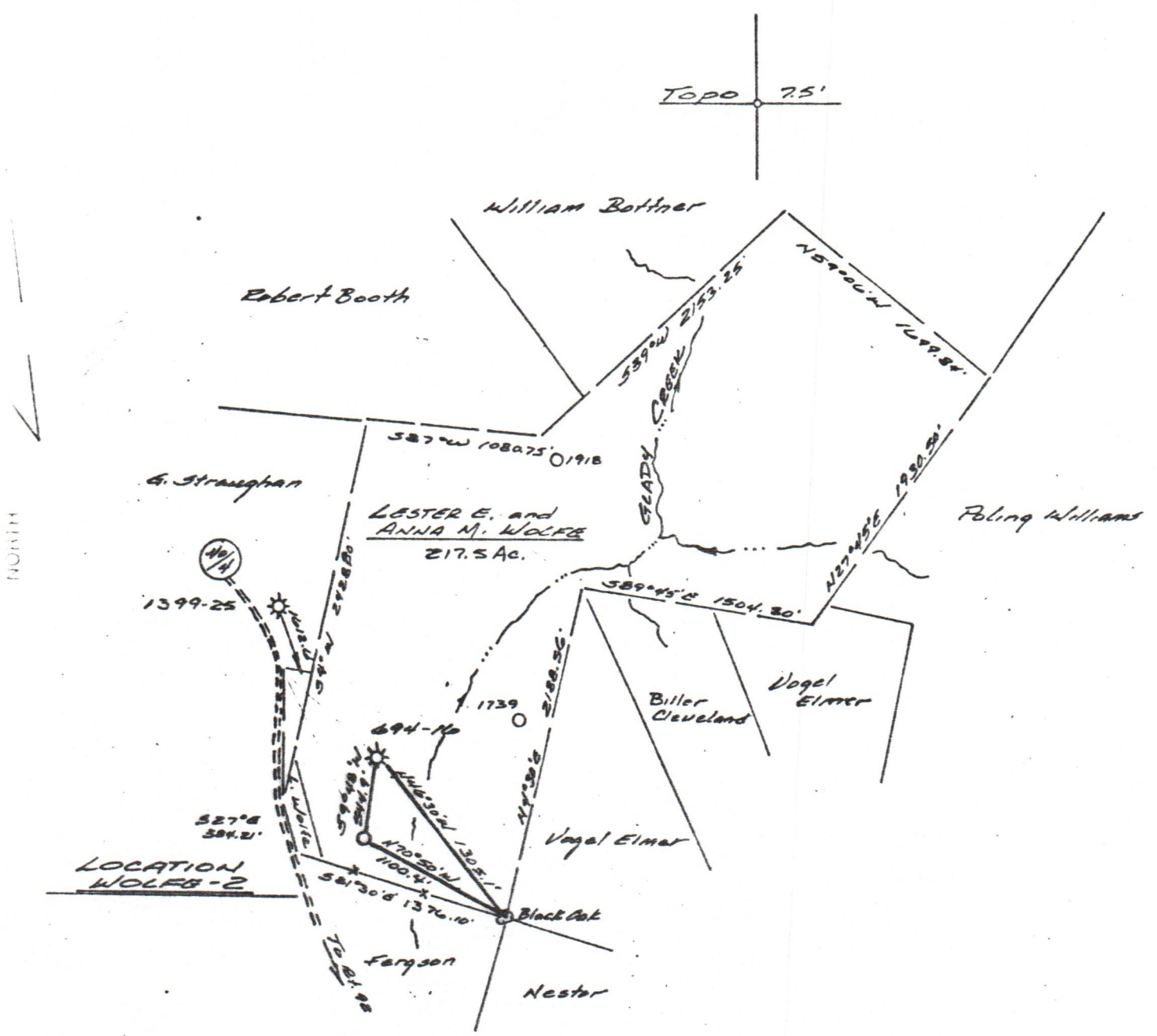
Shut in by FRI
Caused Over production For June
From Revenue Dept.

10478, 44.58
235

On line 11-8-83

5,400'
LATITUDE 39°07'30"

LONGITUDE 79°55'20"



(Well permit = 1739 & 1918 - status unknown.)

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 586.01
 DRAWING NO. 83-17
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM-1803'
N.W. of Location.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Raymond J. Ostrouch
 R.P.E. _____ I.L.S. 555
Buckhannon, WV

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 3 June, 19 83
 OPERATOR'S WELL NO. 1949-2
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1690' WATER SHED Glady Creek

DISTRICT Glade COUNTY Barbour
 QUADRANGLE Belington 7.5'

SURFACE OWNER Lester E. and Anna M. Wolfe ACREAGE 217.5
 OIL & GAS ROYALTY OWNER Lester E. and Anna M. Wolfe LEASE ACREAGE 217.5
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Haverty ESTIMATED DEPTH 5950

WELL OPERATOR BEREA OIL & GAS COOP DESIGNATED AGENT Mark Schumacker
 ADDRESS 901 Chemical Bank Bldg. - 169 Delaware Ave. Buffalo, New York 14202 ADDRESS P.O. Box 299 Bridgeport, W.Va. 26330

10/20/2023