

RECEIVED

JUL 15 1985



1) Date: July 9, 19 85
 2) Operator's Well No. CASTO # 1
 3) API Well No. 47 001 -2257
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF ~~ENERGY~~ OIL AND GAS DIVISION
 ENERGY
 APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION
 DEPT. OF MINES

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 2203 Watershed: Azzens Run
 District: Valley 8 County: Barbour Quadrangle: Audra 7 1/2' 225
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 299 4650 Address P.O. Box 299
Bridgeport WV. 26330 Bridgeport WV. 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name David Ellis
 Address 2604 Crab Apple Lane
Fairmont WV. 26554
- 9) DRILLING CONTRACTOR: Name _____ Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, ~~Have~~ SPEECHLEY
- 12) Estimated depth of completed well, ~~5400~~ 2800 feet
- 13) Approximate trata depths: Fresh, 20 feet; salt, 500 feet.
- 14) Approximate coal seam depths: 110 145 Is coal being mined in the area? Yes _____ / No /

15) 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	Kinds
Conductor	11 3/4			X		30'	30'	To Surface	Class A
Fresh water	8 5/8			X		400' <u>1000'</u>	400' <u>1000'</u>	To Surface	Class A
Coal								Sizes	
Intermediate									
Production	4 1/2			X		550' <u>2800'</u>	550' <u>2800'</u>	<u>As required by rule</u>	
Tubing								Depths set	<u>50/50</u> poz/mix
Liners								Perforations:	<u>15.01</u>
								Top	Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2257

Date July 18 19 85

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 18, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>ALB</u>	Plat: <u>MU</u>	Casing: <u>MU</u>	Fee: <u>226</u> <u>155.49</u>
---	-------------------	-----------------	-------------------	----------------------------------

[Handwritten Signature]

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

DIRECTOR, DIVISION OF OIL & GAS

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

10/20/2023



IV-9
(Rev 8-81)

DATE 2 JULY, 1985
WELL NO. CASTO-1
API NO. 47-001-2257

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Berea Oil and Gas Corp.
Address 69 Delaware Ave.
901 Chemical Bank Bldg.
Telephone Buffalo, New York 14202
716-842-0711

DESIGNATED AGENT Mark Schumacker
Address PO Box 299
Bridgeport, WV 26330
Telephone 304-842-6931

LANDOWNER Sylvia Everson

SOIL CONS. DISTRICT Tygart Valley SCD

Revegetation to be carried out by _____ Operator _____ (Agent)

This plan has been reviewed by Tygart Valley All corrections
and additions become a part of this plan. 7-5-85 (Date)

Junior Hedrick
(SCD Agent)

RECEIVED
JUL 15 1985
OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Culverts (A)

Structure Diversion Ditch

Spacing As shown and as needed.
(15" Culvert to be used when leaving a state
Page Ref. Manual 2-5 or Cty. road.

Material Soil (2% max. slope)

Page Ref. Manual 2-10

Structure Drainage Ditch (B)

Structure Drilling Pit (2)

Spacing To be constructed along road.

Material Soil

Page Ref. Manual 2-10

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 -----

Page Ref. Manual 2-1
Water Velocity Barrier (D)

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

Treatment Area II

Lime 3 Tons/acre
or correct to pH 6.5

Lime 3 Tons/acre
or correct to pH 6.5

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

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

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed*Ky-31 Tall Fescue 30 lbs/acre

Seed*Ky-31 Tall Fescue 30 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Domestic Ryegrass 10 lbs/acre

Domestic Ryegrass 10 lbs/acre

**Inoculate all legumes such as vetch, trefoil and clovers with the proper bacteria. Inoculate with 3X recommended amount.*

10/20/2025

PLAN PREPARED BY OSTRANDER LAND SURVEYING, INC.

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


ADDRESS PO Box 676


Buckhannon, WV 26201

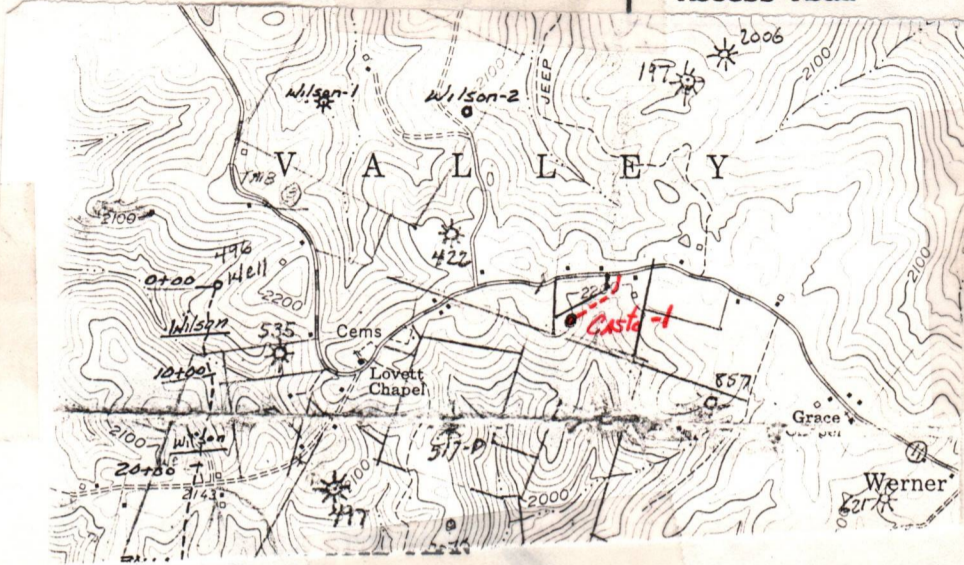
PHONE NO. 304-472-0817

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE AUDRA

LEGEND



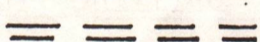
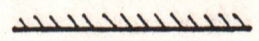
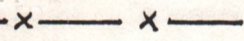

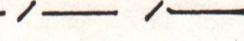



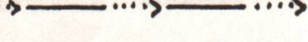
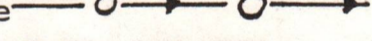
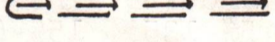
Well Site 

Access Road 

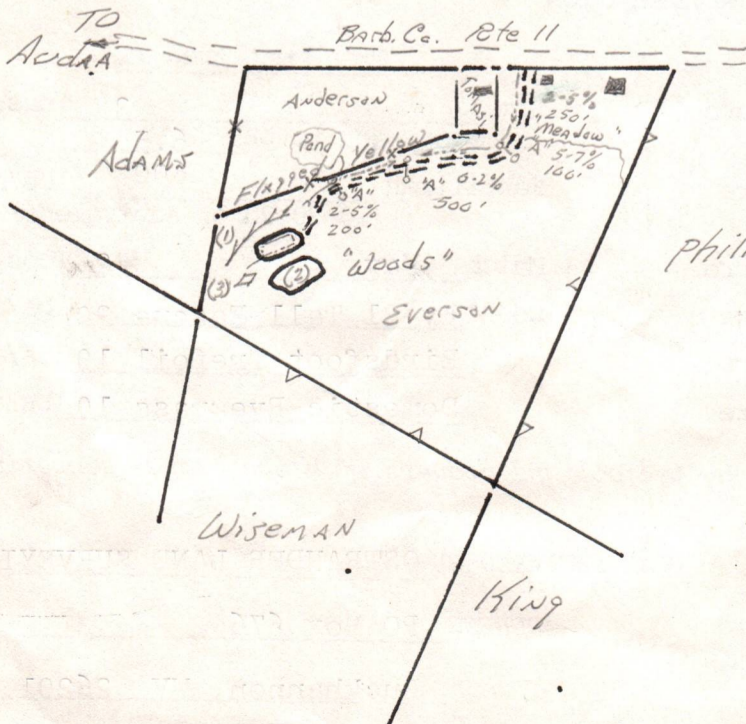


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary 	Water Velocity Barrier 
Road 	Diversion 
Existing fence 	Spring 
Planned fence 	Wet spot 
Stream 	Building 
Open ditch 	Drain pipe 
	Waterway 

- TOPSOIL TO BE STOCKPILED.
- ALL CUTS TO BE ON A 2:1 SLOPE UNLESS IN ROCK.



10/20/2023

1) Date: July 9, 19 85
 2) Operator's Well No. Casto # 1
 3) API Well No. 47 001-225-7
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Sylvia Everson
 Address Audra Road
Belington WV. 26205
 (ii) Name _____
 Address _____
 (iii) Name _____
 Address _____

5(i) COAL OPERATOR

Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name James Ware 1/2 Interest
 Address 19 South Main Street
Philippi WV. 26416
Jerry L. Ware 1/2 Interest
ESS P.O. BOX 153
Philippi WV. 26416
 ESSEE WITH DECLARATION ON RECORD:
Tygart River Coal Co.
ESS P.O. Box 2178
Elkins WV. 26241

P 090 447 856

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

TO THE PERSON(S) NA

- (1) The Applic to be plug and descri cementing
- (2) The plat (
- (3) The Constr plug a well reclamation

THE REASON YOU WHICH ARE SUMMARIZE (FORM IV-2(B) OR FO ACTION AT ALL.

Take notice th erator proposes to for a Well Work Per Department of Mines and depicted on att Construction and Re by hand to the pers before the day of n

6) EXTRACTION RIGH

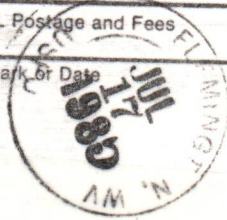
Check and provid
 Included is t
 I hold the
 The requirem

7) ROYALTY PROVISIO

Is the right to or other contrar for compensation for the volume o

* U.S.G.P.O. 1984-446-014
 PS Form 3800, Feb. 1982

Sent to	<u>Sylvia Everson</u>
Street and No.	<u>716 Audra Road</u>
P.O., State and ZIP Code	<u>Belington, WV 26205</u>
Postage	\$ <u>.22</u>
Certified Fee	<u>.75</u>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<u>.70</u>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <u>1.67</u>
Postmark or Date	



the following documents:
 orm IV-4 if the well is illing or other work, the proposed casing and
 IV-6; and
 he well work is only to nt control and for

REGARDING THE APPLICATION COPY OF THE APPLICATION QUIRED TO TAKE ANY

undersigned well op- accompanying documents d Gas, West Virginia on attached Application cation, the plat, and the ertified mail or delivered rcumstances) on or

contracts by which side for specifics.)

on a lease or leases any similar provision ot inherently related es No

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

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Doyle Kinsey
 this 10th day of July, 19 85.
 My commission expires 1/3, 19 93.

Hattie E. Kerns
 Notary Public, Harrison County,
 State of West Virginia

WELL

OPERATOR Berea Oil & Gas Corp.

By Doyle Kinsey / Doyle Kinsey
 Its Supt. of Land
 Address P.O. Box 299
Bridgeport WV. 26330
 Telephone (304) 842-6931

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

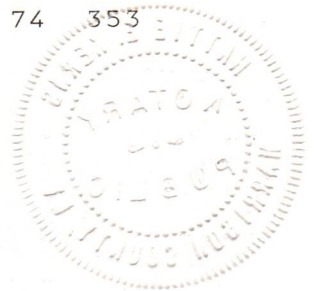
INFORMATION SUPPLIED UNDER CODE § 22-4-11 (d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Casto Heirs	Fuel Resource Inc.	1/8	74	353



10/20/2023

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.



1) Date: July 9, 19 85
 2) Operator's Well No. CASTO #1
 3) API Well No. 47 -001
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 2203 Watershed: Azzens Run
 District: Valley County: Barbour Quadrangle: Audra 7 1/2"
- 6) WELL OPERATOR BEREA OIL & GAS CORP.
 Address One Berea Plaza P.O. Box 299
Bridgeport, WV 26330
- 7) DESIGNATED AGENT Mark Schumacher
 Address One Berea Plaza P.O. Box 299
Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name David Ellie
 Address 2604 Crab Apple Lane
Fairmont, WV 26554
- 9) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Haverty
- 12) Estimated depth of completed well, 5400 feet
- 13) Approximate strata depths: Fresh, 20 feet; salt, 500 feet.
- 14) Approximate coal seam depths: 110 145 Is coal being mined in the area? Yes _____ / No X /

15) 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	<u>11 3/4</u>			<u>X</u>		<u>30'</u>	<u>30'</u>	<u>to surface</u>	<u>Class A</u>
Fresh water	<u>8 5/8</u>			<u>X</u>		<u>1000'</u>	<u>1000'</u>	<u>to surface</u>	<u>Class A</u>
Coal									
Intermediate									Sizes
Production	<u>4 1/2</u>			<u>X</u>		<u>5350'</u>	<u>5350'</u>	<u>1500' fill</u>	<u>50/50 poz mix</u>
Tubing									Depths set
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner X / 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 James Hedrick 7/17/85
Jerry Z. Uae 7/17/85
 Its _____

10/20/2023
 Coal Owner



1) Date: July 9, 19 85
 2) Operator's Well No. CASTO # 1
 3) API Well No. 47 001
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 2203 Watershed: Azzens Run
 District: Valley County: Barbour Quadrangle: Audra 7 1/2'
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O.Box 299 Address P.O.Box 299
Bridgeport WV. 26330 4650 Bridgeport WV. 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name David Ellis Name _____
 Address 2604 Crab Apple Lane Address _____
Fairmont WV. 26554
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
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	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		Kinds	
Conductor	<u>11 3/4</u>			<u>X</u>		<u>30'</u>	<u>30'</u>	<u>To Surface</u>	<u>Kinds</u>	<u>Class A</u>
Fresh water	<u>8 5/8</u>			<u>X</u>		<u>1000'</u>	<u>1000'</u>	<u>To Surface</u>		<u>Class A</u>
Coal									<u>Sizes</u>	
Intermediate										
Production	<u>4 1/2</u>			<u>X</u>		<u>5350'</u>	<u>5350'</u>	<u>1500' fill up</u>	<u>Depths set</u>	<u>50/50 poz/mix</u>
Tubing										
Liners									<u>Perforations:</u>	
									<u>Top</u>	<u>Bottom</u>

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

WAIVER

The undersigned coal operator X / owner _____ / lessee X / 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: July 12, 19 85

By Stephen J. Cape
 Its Pres.

10/20/2023
 Coal Owner

SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE

1. Company Name BEREA OIL + GAS CORP.
2. Mailing Address P.O. Box 290 BRIDGPORT WV. 26330
street city state zip
3. Telephone 842-6931 4. Well Name CASTO #1
5. Latitude 7,150' WEST OF Longitude 6,900' SOUTH OF
80° 00' 00" LATITUDE 39° 02' 30"
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. _____
8. County BARBOUR 9. Nearest Town BELINGTON
10. Nearest Stream AZZENS RUN 11. Tributary of TYGARTS RIVER
12. Will Discharge be Contracted Out? yes _____ no X
13. If Yes, Proposed Contractor _____
Address _____
Telephone _____
14. Proposed Disposal Method: UIC _____ Land application X
Off Site Disposal _____ Reuse _____ Centralized Treatment _____
Thermal Evaporation _____ Other _____
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

10/20/2023

By completing and submitting this application, I have reviewed, understand, and agree to the terms and conditions of the general permit issued on July 10, 1985. I understand that provisions of the permit are enforceable by law. Violations of any term and condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

COMPANY OFFICIAL SIGNATURE Wayle Kinsey DATE 7/17/85

Please attached \$50.00 permit application fee required by Series III, Section 7, of the West Virginia Administrative regulations of the State Water Resources Board.

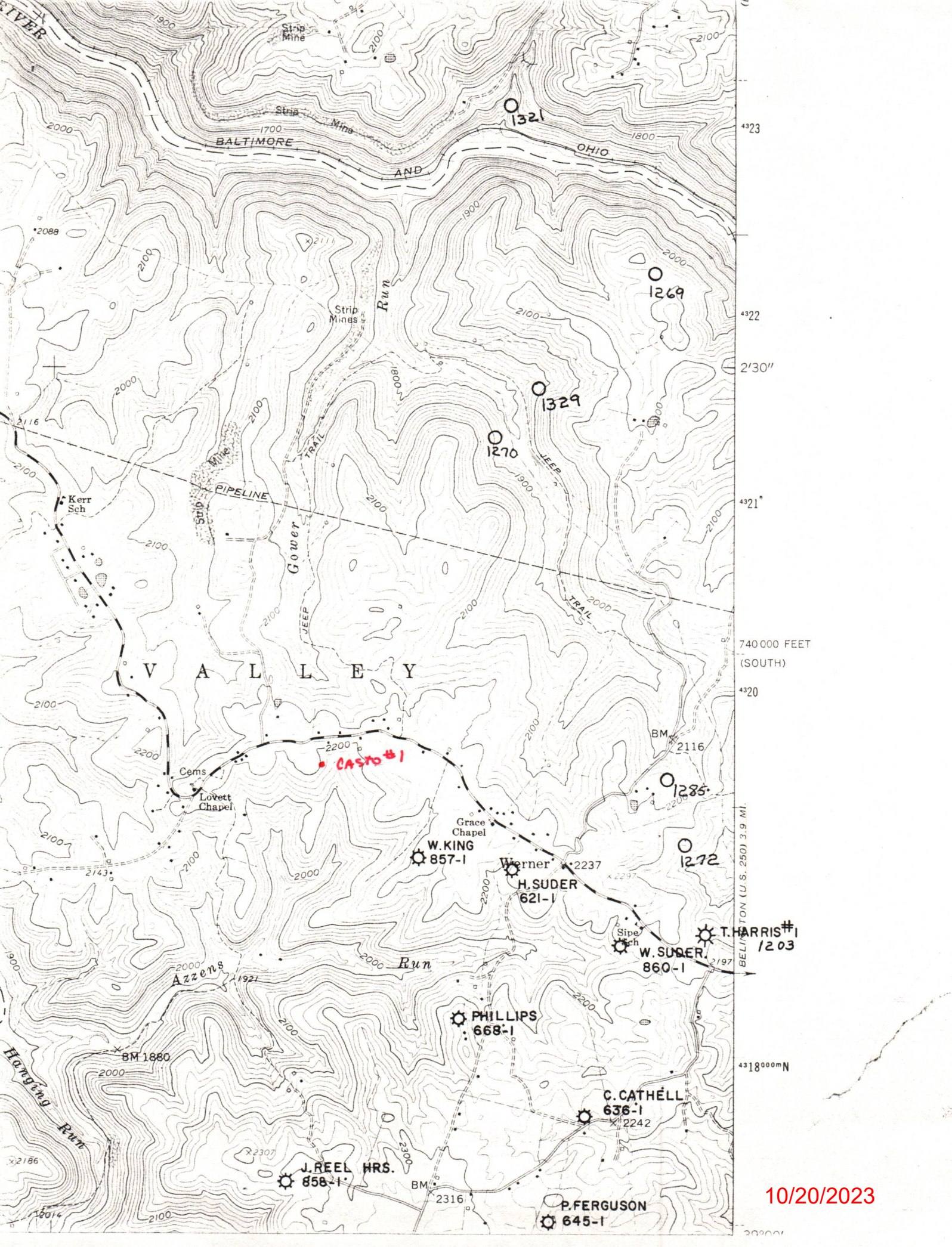
All spills or accidental discharges are required to be reported immediately to the Emergency Response Spill Alert System toll free telephone number 1-800-642-3074.

LANDOWNER ADMINISTRATIVE REVIEW RIGHTS

The conditions in the general NPDES permit for pit waste treatment and discharge have been developed so that they are applicable to general conditions found throughout the state. There may be particular sets of circumstances at specific sites that require modification of established procedures. You as a land owner, if you feel the site on your property requires such consideration for water quality/general permit compliance related matters, may request an administrative review of that site. If there are valid water quality concerns, the Division of Water Resources will address them by either not allowing the pit construction and subsequent discharge, or by altering the standard operating procedures to deal with the particular unique nature of this site. Such requests should be forwarded in writing to:

Chief, Division of Water Resources
Department of Natural Resources
1201 Greenbrier St.
Charleston, West Virginia 25311.

To ensure prompt review of your site it is suggested that you also call the Field Operations Branch (348-2745) and verbally make the request.



V A L L E Y

CASTO #1

W. KING
857-1

Werner
H. SUDER
621-1

Sipe Sch
W. SUDER
860-1

T. HARRIS #1
1203

PHILLIPS
668-1

C. CATHÉLL
636-1

J. REEL HRS.
858-1

P. FERGUSON
645-1

4323
4322
4321
4320
740 000 FEET (SOUTH)
BELMONT (U.S. 250) 3.9 MI.
4318

10/20/2023



FRI FUEL RESOURCES INC.

166 Montague Street, Brooklyn, New York 11201 / (212) 403-2682

(304) 823-1776

ROBERT V. FINA
Manager, Leases

February 9, 1984

Oil & Gas Division
Department of Mines, W. Va.
1615 Washington Street East
Charleston, W. Va. 25311

Dear Sir:

This letter will reconfirm that at present time Berea Oil & Gas is our operator in Barbour County.

If you have any questions, please feel free to contact me.

Very truly yours,

Sworn to the 10th of February 1984

CHRISTINE M. PRITCHARD
Commissioner of Deeds
City of New York - No. 4-2732
Certificate Filed in Kings County
Commission Expires Feb. 1, 1985

RVF:bmg

cc: Doyle Kinsey
Berea Oil & Gas Corp.

10/20/2023

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

7/30/85 PERF:		7/30/85 FRAC Squaw & Gantz:
Squaw:	1562' - 1566' (6 holes)	Form. broke @2400#. ISIP 1300#, 5 min 1150#.
Gantz:	1626' - 1634' (8 holes)	Used 712 BW, 500 gal 15% HCL acid, 50,000# 20/40 sand, avg pump rate 33 BPM @ 2565#
5th Sand:		7/30/85 FRAC 5th Sand:
	2254' - 2267' (14 holes)	Form broke @ 2500#. ISIP 1050#, 5 min 900#.
		Used 733 BW, 500 gal 15% HCL acid, 60,000# 20/40 sand, avg. pump rate 33.3 BPM @ 2521.6#.
Bayard:		7/30/85 FRAC. Bayard:
	2462' - 2468' (14 holes)	Form. broke @ 3400#. ISIP 1250#, 5 min 1130#.
		Used 665 BW, 500 gal 15% HCL acid, 50,000# 20/40 sand, avg pump 33.3 BPM @ 2408.3#.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
FROM DRILLERS LOG:					
Sand			0	43	Hole damp @ 43'
Shale			43	48	
Sand			48	97	
Shale			97	104	
Sand			104	199	
Shale			199	203	
Sand			203	254	
Shale			254	350	
Coal			350	356	
Sand & Shale			356	549	1" stream of water
Coal			549	551	
Sand			115	608	
Sand & Shale			608	810	
Red Rock			810	830	
Shale			830	838	
Red Rock			838	842	
Red Rock & Shale			842	992	
Sand			992	997	
Shale & Red Rock			997	1106	
Sand			1106	1114	
Shale & Red Rock			1114	1171	
Sand & Shale			1171	1186	
Shale			1186	1260	
FROM CDL LOG:					
Little Lime			1250	1266	
Shale			1266	1304	Gas Check @ 1291' NS
Big Lime			1304	1450	
Big Injun			1450	1548	Gas Check @ 1543' NS
Squaw			1548	1570	
Sand & Shale			1570	1614	
Gantz			1614	1654	
Sand			1654	1750	Gas Check @ 1669' 84 MCF
Sand & Shale			1750	2086	
4th Sand			2086	2154	
Sand & Shale			2154	2218	
5th Sand			2218	2298	
Shale			2298	2458	Gas Check @ 2323' 189MCF
Bayard			2458	2508	
Shale			2508	TD	Gas Check @ 2544' 198 MCF

(Attach separate sheets as necessary) collars 189' MCF

Berea Oil & Gas Corp.

Well Operator

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

Date: August 21, 1985

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."

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

RECEIVED
JUL 30 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

INSPECTOR'S WELL REPORT

Permit No. 001-2257

Oil or Gas Well _____
(KIND)

Company Berea Oil & Gas
 Address Bridgport W. V.
 Farm Emerson
 Well No. 1
 District Valley County Bolivar
 Drilling commenced 7-22-85
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 ⁷ / ₈		728	
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 3/8 SIZE 728 No. FT. 7-24-85 Date
 NAME OF SERVICE COMPANY Halliburton
 COAL WAS ENCOUNTERED AT 350 FEET 356 1/2 INCHES
549 FEET 551 1/2 INCHES FEET INCHES
 FEET INCHES FEET INCHES

Drillers' Names Century #1

Remarks: Wit @ 93 ft 1" @ 541 ft 2000 lb Cent.

7-24-85
DATE

[Signature]
DISTRICT WELL INSPECTOR

10/20/2023

RECEIVED

(7-18-85)

1R-26 DEPARTMENT OF ENERGY OIL AND GAS Obverse

1R-26 DEPARTMENT OF ENERGY OIL AND GAS Reverse

INSPECTOR'S PERMIT SUMMARY FORM

MAY 15 1986

WELL TYPE _____
ELEVATION _____
DISTRICT Valley
QUADRANGLE _____
COUNTY Barber

API# 47-001-2257
OPERATOR Conquest Energy
TELEPHONE _____
FARM Overson
WELL # 1

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

Table with 4 columns: Type, From, To, Pipe Removed. Multiple empty rows for data entry.

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

Date Released 5-6-86

Inspector's signature (Signature) 10/20/2023

RECEIVED
DEPARTMENT OF ENERGY
CLEANING GAS

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 - 2-2257 - 0000				
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.)	2468' 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. 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.)	Valley 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.)	Casto #1				
(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:	08 06 76 Mo. Day Yr.				
(c) Estimated total annual production from the well:	17.8 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	3.535	0.305	-----	3.840
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3.535	0.305	-----	3.840
9.0 Person responsible for this application:	Thomas E. Riley, P.E., Manager of Engineering Name Title <i>Thomas E. Riley</i> Signature August 21, 1985 Date Application is Completed				
Agency Use Only					
Date Received by Juris. Agency					
Date Received by FERC					
				(304) 842-6931 Phone Number	

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

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) 357-6585.

SPECIFIC INSTRUCTIONS

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

Section of NGPA (a)	Category Code (b)	Description (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 offshore reservoir
102	5	New reservoir on old OCS lease
102	6	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	4	Produced enhancement gas
107	5	New tight formation gas
107	6	Recompletion tight formation gas
108	1	Stripper well
108	2	Stripper well - seasonally affected
108	3	Stripper well - enhanced recovery
108	4	Stripper well - temporary pressure buildup
108	5	Stripper well - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts:

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

Remarks:

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 21, 1985

4650

Applicant's Name: Berea Oil & Gas Corp.

Address: P. O. Box 299

Bridgeport, WV 26330

Gas Purchaser Contract No. N/A

Date of Contract 8 6 76
(Month, day and year)

First Purchaser: Brooklyn Union Gas Company

P630

Address: 195 Montague Street

(Street or P.O. Box)

Brooklyn NY 11201

(City) (State) (Zip Code)

FERC Seller Code _____

AGENCY USE ONLY
WELL DETERMINATION FILE NUMBER
850822 -1030-001 - 2257
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Thomas E. Riley, P.E.

Address: P. O. Box 299

Bridgeport, WV 26330

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Thomas E. Riley, P.E.
(Print)

Manager of Engineering
(Title)

Signature: Thomas E. Riley

Address: P. O. Box 299

(Street or P.O. Box)

Bridgeport WV 26330

(City) (State) (Zip Code)

Telephone: 304 842-6931

(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

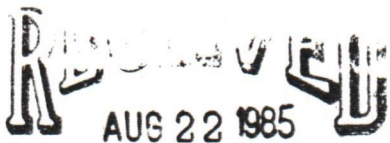
NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - XXX 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressed Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY
QUALIFIED 10/20/2023



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received _____

Determination Date _____

Date August 21, 19 85

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

Operator's Well No. Casto #1

API Well No. 47 - 001 - 2257
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MGPA Section 103

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 2203'
Watershed Azzens Run
Dist. Valley County Barbour Quad. Audra

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

Gas Purchase Contract No. N/A
Meter Chart Code N/A
Date of Contract 8/6/76

* * * * *

Date surface drilling was begun: July 22, 1985

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

BHP = PW (e^{GL/53.34T})

Where as: PW = 574.73 psia
G = .65
L = 2015'
T = 533°R

BHP 604 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 21st day of August, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of August, 1985.

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

[NOTARIAL SEAL]

10/20/2023

