



1) Date: December 21, 19 83
 2) Operator's Well No. Mosesso #2
 3) API Well No. 47 - 001 - 2025
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1538' Watershed: Glade Creek
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 569 Address P.O. Box 299
Dover, OH 44622 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Swartz Name Phillip Tracy
 Address Box 343, Jane Lew, WV 26378 Address Blkins, WV
 Phone: (304) 884-7782 636-8798
- 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, Haverty OIL & GAS DIVISION
 12) Estimated depth of completed well, 5600 feet DEPT. OF MINES
 13) Approximate tratra depths: Fresh, 40 feet; salt, ---- feet.
 14) Approximate coal seam depths: ---- Is coal being mined in the area? Yes / No /

RECEIVED
 DEC 23 1983

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	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		5600	5600	1000' Fillup	Depths set Or as req.
Tubing	1 1/2	J55	4.21b	X		5500	5500	----	by Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2025 February 7, 19 84
 Date

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 February 7, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND

Bond:	Agent: <u>ls</u>	Plat: <u>mu ml</u>	Casing: <u>ml</u>	Fee: <u>36597</u>
-------	------------------	--------------------	-------------------	-------------------

[Signature]
 Administrator, Office of Oil and Gas

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

File



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) WELL LOCATION: B (If "Gas", Production) / Underground storage / Shallow / Deep / Shallow

2) WELL OPERATOR: James Oil & Gas Corp. / District: Greene / County: Greene / Quarter: Westmoreland / Elevation: 1535' / Watershed: Glade Creek

3) DESIGNATED AGENT: James Oil & Gas Corp. / Address: Box 289, P.O., Box 289, Westmoreland, WV 26039

4) DRILLING CONTRACTOR: Phillip Tracy / Name: Phillip Tracy / Address: Phillip Tracy

5) PROPOSED WELL WORK: Drill 2" / Plug old formation / Other physical change in well (specify):

6) GEOLOGICAL TARGET FORMATION: 5000'

7) Estimated depth of completed well: 5000'

8) Approximate true depths: 5000'

9) Approximate coal seam depths: 5000'

10) CASING AND TUBING PROGRAM

TUBING OR CASING OR TUBING TYPE	Size	Grade	SPECIFICATIONS		Foot Drilling	Foot Drilling Intervals	CEMENT BELL-UP OR SIZES (Cable tool)	PACKERS
			Weight per ft.	Yield				
Conductor	11 3/4"	55	35.0	X	30'	30'		
Treat as in	8 1/2"	55	23.0	X	900'	900'	no surface	
Intermediate								
Production								
Tubing								
Line								

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	"
Completion of the drilling process	"
Well Record received	"
Reclamation completed	"

Permit number: 19-001-0001

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent regulations subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, District Office, prior to the completion of this location. For any other work, in addition, the well operator or his contractor, shall notify the District Oil and Gas Inspector 24 hours before actual permitted work has commenced.

The permitted work is as described in the Notice and Application, plus, and reclamation plan, subject to any modifications and permit expires unless well work is commenced prior to that date and prosecuted with the diligence.

OTHER INSPECTIONS

Reason: [Signature]

Reason: [Signature]

1) Date: December 21, 1983
2) Operator's Well No. Mosesso #2
3) API Well No. 47 - 001-2025
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 Margie Cross
Address Rt. #2
Philippi, WV 26416
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name John Mosesso
Address Rt. #250
Philippi, WV 26416
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

RECEIVED
FEB 2 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

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

WELL OPERATOR Berea Oil & Gas Corp.
By Boyle Kinsey
Its Superintendent of Land
Address P.O. Box 569
Dover, OH 44622
Telephone (216) 364-7731

this 30 day of JAN., 1984.
My commission expires 12-28, 1986.
Fredrick A. Kinsey
Notary Public, Junc. County,
State of Ohio

6) 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.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

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.

INSTRUCTIONS TO APPLICANT

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 reverse 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>
John & Mary Mosesso	Fuel Resources, Inc.	75%	91	27
Victor Mosesso	Fuel Resources, Inc.	25%	91	27



1) Date: December 21, 19 83
 2) Operator's Well No. Mosseso #2
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1538' Watershed: Glade Creek
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 569 Address P.O. Box 299
Dover, OH 44622 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Stewart PHILLIP TRACY Name _____
 Address Box 345, Jane Jew, WV 26278-ELKINS, WV. Address _____
Phone: (304)884-7782 636-8798
- 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, Haverty
- 12) Estimated depth of completed well, 5600 feet
- 13) Approximate strata depths: Fresh, 40 feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No /

RECEIVED
 JAN 25 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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	11 3/4	J55	36lb	X		30			Kinds
Fresh water	8 5/8	K55	23lb	X		900	900	to surface	By Rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2	J55	10.5lb	X		5600	5600	1000' Fillup	Depths set Or as req. by Rule 15.01
Tubing	1 1/2	J55	4.2lb	X		5500	5500		
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 _____ / 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: Dec 27, 19 83
1986

By [Signature]
 Its _____

SURFACE OWNER'S COPY



1) Date: December 21, 19 83
 2) Operator's Well No. Mosesso #2
 3) API Well No. 47 State 001 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: 1538' Watershed: Glade Creek
 District: Glade County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR Berea Oil & Gas Corp. 7) DESIGNATED AGENT Mark Schumacher
 Address P.O. Box 569 Address P.O. Box 299
Dover, OH 44622 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Stewart Name _____
 Address Box 345, Jane Lew, WV 26378 Address _____
 Phone: (304) 884-2782 636-3748
- 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, 5600 feet
 13) Approximate strata depths: Fresh, 40 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ 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		Kinds	Sizes
Conductor	<u>1 3/4</u>	<u>J55</u>	<u>361b</u>	<u>X</u>		<u>30</u>				
Fresh water	<u>8 5/8</u>	<u>K55</u>	<u>231b</u>	<u>X</u>		<u>900</u>	<u>900</u>	<u>to surface</u>	<u>By Rule 15.05</u>	
Coal										
Intermediate										
Production	<u>4 1/2</u>	<u>J55</u>	<u>10.5</u>	<u>X</u>		<u>5600</u>	<u>5600</u>	<u>1000' Fillup</u>	<u>Depths set Or as req.</u>	
Tubing	<u>1 1/2</u>	<u>J55</u>	<u>4.21b</u>	<u>X</u>		<u>5500</u>	<u>5500</u>		<u>by Rule 15.01</u>	
Liners										

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.
 I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
Margie D. Cross Date: 1-20-84
 (Signature)
 _____ Date: _____
 (Signature)

1986

**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.

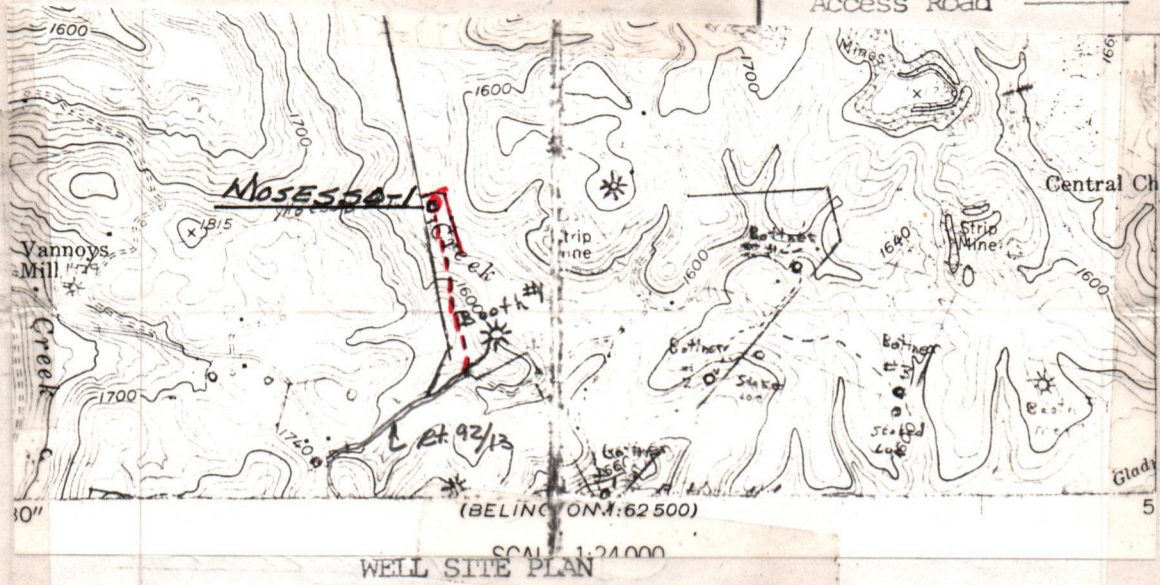
List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE NESTORVILLE

LEGEND

Well Site ⊕

Access Road ———



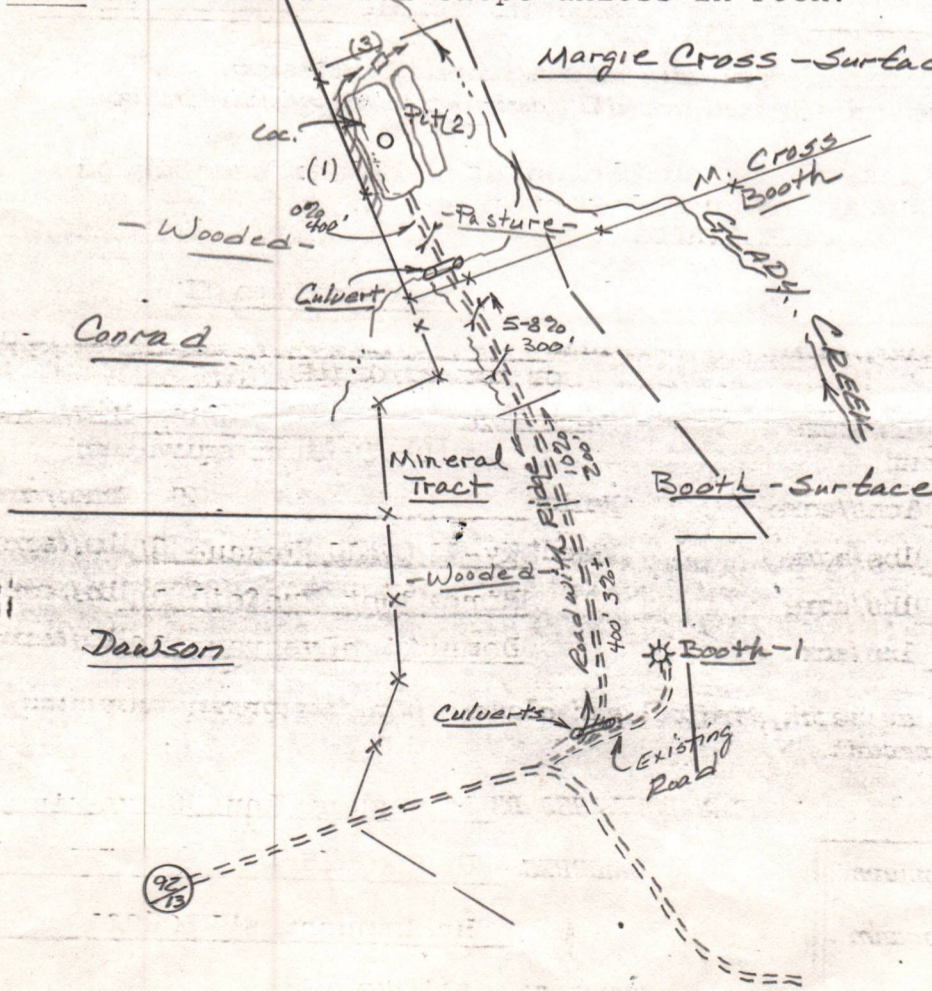
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ———▲———	Diversion // // // // //
Road ———=———=———=———=———	Spring ○→
Existing fence ———x———x———	Wet spot ☼
Planned fence ———/———/———/———/———	Building ■
Stream ~~~~~	Drain pipe —○→○→○→
Open ditch→.....→.....→.....→.....	Waterway <=>=>=>=>=>=>

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

Recommend topsoil to be stockpiled





IV-9
(Rev 8-81)

DATE 5 DECEMBER, 1983

WELL NO. Mosesso-2

State of West Virginia

API NO. 47-001-2025

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BEREA OIL & GAS CORP.
Address 901 Chemical Bank Bldg.
69 Delaware Ave., Buffalo, NY
Telephone 716-842-0711 14202

DESIGNATED AGENT MARK SCHUMACKER
Address PO Box 299
Bridgeport, WV 26330
Telephone 304-842-6931

LANDOWNER Margie Cross
Revegetation to be carried out by _____

SOIL CONS. DISTRICT Tygart Valley
Operator _____ (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan: 12/7/83

Jean Freeman
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culverts (A)
Spacing AS Shown (Min. 12" & Min. 15"
when leaving State Road)
Page Ref. Manual 2-7

Structure Diversion Ditch (1)
Material Soil (2% max. slope)
Page Ref. Manual 2-12

Structure Drainage Ditch (B)
Spacing To be constructed along road.
Page Ref. Manual 2-12

Structure Drilling pit (2)
Material Soil
Page Ref. Manual DEC 23 1983

Structure Cross Drains (C)
Spacing 5%-135' 15%-60'
10%-80' 20%-45'
Page Ref. Manual 2-4

Structure Sediment trap
Material Soil
Page Ref. Manual _____

RECEIVED

OIL & GAS DIVISION
DEPT. OF MINES

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
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

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 bacterium. Inoculate with 3X recommended amount.

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



C.r

FUEL RESOURCES INC.

195 Montague Street, Brooklyn, New York 11201 / (212) 643-2773

(304) 823-1776

ROBERT V. FINA
Manager of Leases

October 29, 1982

Oil & Gas Division
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Va.

Attention: Mr. Mike Lewis

Dear Mr. Lewis:

Please be advised that Berea Oil & Gas Corporation is Fuel Resources' Inc.'s operator. Drilling permits can be issued in their name, when they are drilling for FRI. If anything should change in the future we will let you know.

Your cooperation in this matter would be greatly appreciated.

Very truly yours,

R. V. Fina

RVF:djf

RECEIVED

NOV 6 1982

Berea, Ohio Philadelphia



berea oil & gas corp.

One Berea Plaza • P.O. Box 299 • Bridgeport, West Virginia 26330-0299 • (304) 842-6931

May 15, 1984

Mr. Theodore Streit, Administrator
Oil & Gas Conservation Commission
1615 Washington Street
Charleston, West Virginia 25311

RECEIVED
MAY 16 1984

**OIL & GAS DIVISION
DEPT. OF MINES**

RE: Completion Drilling Records
Barbour County, WV

Dear Mr. Streit:

Attached please find copies of your correspondence of May 2, 1984 requesting the original and two copies of completion drilling records.

Listed below is the status of the five (5) wells in question.

<u>WELL NAME</u>	<u>PERMIT #</u>	<u>Status</u>
Mosesso #2	47-001-2025	Completion Record will be submitted as soon as open flow is available
D. Knight #1	47-001-2024	Completion Record will be submitted as soon as open flow is available
V. Stanley	47-001-1984	Original and 2 copies submitted 5/1/84 (Duplicate copies attached)
Alfred Hill #2	47-001-1980	Well has not been drilled
M. K. Ferguson #1	47-001-1959	Well has not been drilled

Should you have any questions or require additional information, please do not hesitate to contact me at (304)842-6931 at our Bridgeport, West Virginia office.

Respectfully,

BEREA OIL & GAS CORP.

Libby Kerns
Libby Kerns,
Regulatory Clerk

/lk

cc: T. Riley
File

• Corporate Headquarters •

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

5/1/84 Perf Bayard:	2316' - 2318' (2)	5/1/84 Frac: Bayard & Balltown: Formation broke @ 2400#. ISIP 1680#, 5 min 1580#. Used 446 BW, 750 gal. 15% HCl, 10,000# 80/100 sand, 30,000# 20/40 sand. Avg. pump rate 27.9 BPM @ 2924#.
	2324' - 2328' (4)	
5/1/84 Perf. Balltown:	2673' - 2675' (2)	5/1/84 Frac: Riley, Benson & 1st Elk: Formation broke @ 2600#. ISIP 1650# 5 min, 1600#. Used 595 BW, 500 GAL MOD 202 acid, 15,000# 80/100 sand, 45,000# 20/40 sand. Avg. pump rate 25.3 BPM @ 3118#.
	2749' - 2753' (4)	
5/1/84 Perf Riley:	3597' - 3600' (3)	5/1/84 Frac: Riley, Benson & 1st Elk: Formation broke @ 2600#. ISIP 1650# 5 min, 1600#. Used 595 BW, 500 GAL MOD 202 acid, 15,000# 80/100 sand, 45,000# 20/40 sand. Avg. pump rate 25.3 BPM @ 3118#.
5/1/84 Perf Benson:	3752' - 3754' (4)	
	3796' - 3798 (2)	
5/1/84 Perf 1st Elk:	3984' - 3986' (3)	
	3990' - 3992' (2)	

WELL LOG

CONTINUED ON PAGE TWO

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Formations taken from driller's log					
Dirt			0	10	
Shale			10	30	2" stream water - 30'
Sand and shale			30	40	
Sand			40	80	4" stream water - 53'
Coal			80	84	1" stream water - 80'
Sand			84	--	4" stream water - 160'
Redrock & shale			585	599	
Sand			599	687	
Redrock and shale			687	710	
Sand			710	720	
Sand and shale			720	750	
Sand			750	822	
Sand and shale			822	874	
Sand			874	1008	Gas check 998' - no show
Formations taken from Gamma Ray Log					
Redrock and shale			--	1019	
Little Lime			1019	1036	
Silt and shale			1036	1067	
Sand and silt			1067	1090	
Big Lime			1090	1162	
Big Injun			1162	1315	
Shale and silt			1315	1410	
Sand and silt			1410	1676	Gas check @ 1497' - 146 Mcf/d
Silt and shale			1676	1780	
Sand and silt			1780	1880	
SHale			1880	1932	
Sand and silt			1932	1994	
4th Sand			1994	2053	Gas check @ 1998' - 133 Mcf/d
Shale			2053	2081	
5th Sand			2081	2172	
Silt and shale			2172	2314	
Bayard			2314	2349	
Shale			2349	2549	Gas Check @ 2502' - 119 Mcf/d

(CONTINUED ON PAGE TWO)

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.
Well Operator
Thomas E. Riley
By: Thomas E. Riley, P.E., Manager of Engineering
Date: May 16, 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."



IV-35
(Rev 8-81)

RECEIVED
MAY 17 1984
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 16, 1984
Operator's
Well No. Mosesso #2
Farm Margie Cross
API No. 47 - 001 - 2025

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: 1538' Watershed Glade Creek
District: Glade County Barbour Quadrangle Nestorville

COMPANY Berea Oil & 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 Margie Cross
ADDRESS Rt. 2, Philippi, WV 26416
(A) John & Mary Mosesso
MINERAL RIGHTS OWNER (B) Victor Mosesso
(A) Rt. 250, Philippi, WV 26416
ADDRESS 6011 Tenth Place, Chillum, MD 20782
OIL AND GAS INSPECTOR FOR THIS WORK Phillip Tracy
ADDRESS Ellamore, WV.
PERMIT ISSUED 2/7/84
DRILLING COMMENCED 2/13/84
DRILLING COMPLETED 2/23/84
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"		240'	140sks
9 5/8			
8 5/8	950'	917'	245sks
7			
5 1/2			
4 1/2	5337'	5110'	670sks.
3			
2 1 1/2"		4930'	
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5600 feet
Depth of completed well 5337' feet Rotary X / Cable Tools _____
Water strata depth: 30', 53', 80', 160' feet; Salt _____ feet
Coal seam depths: 80' - 80' Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Riley, Benson, 1st Elk, Haverty See Well Treatment Pay zone depth Details feet
Gas: Initial open flow 112 Mcf/d Oil: Initial open flow none Bbl/d
Test Date 5/15/84 Final open flow 959 Mcf/d Final open flow none Bbl/d
Time of open flow between initial and final tests 4 1/2 hours
Static rock pressure 1675 psig (surface measurement) after 72 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)

Barbour 2025

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
CONTINUED FROM PAGE ONE

3/5/84 Perf. Haverty: 4972' - 4974' (2)
4984' - 4988' (6)
4994' - 4996' (3)
5002' - 5004' (3)

5/1/84 Frac. Haverty:
Formation broke @ 2500#. ISIP @ 1700# 5 min
1600#. Used 764 BW, 500 gal MOD 202 acid,
15,000# 80/100 sand, 45,000# 20/40 sand. Avg
pump rate 3.6 BPM @ 2354.2#.

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					
Speechley			2549	2613	
Silt and shale			2613	2670	
Balltown			2670	2912	
Silt and shale			2912	3547	Gas check @ 3006' - no show
Riley			3547	3667	Gas check @ 3605' - no show
Shale			3667	3749	
Benson			3749	3818	
Silt and shale			3818	3943	Gas check @ 3857' - 60 Mcf/d
1st Elk			3943	4104	
Silt and shale			4104	4156	
2nd Elk			4156	4387	Gas check @ 4204' - 84 Mcf/d
Shale			4387	4413	
3rd Elk			4413	4547	
Silt and shale			4547	4610	
4th Elk			4610	4659	
Silt			4659	4958	Gas Check @ 4803' - 84 Mcf/d
Haverty			4958	5045	
Shale			5045	5055	
Frib			5055	5116	
Silt and shale			5116	5206	
Fox			5206	5227	
Silt and shale			5227	5344	Gas check @ 5337' - 112 Mcf/d

(Attach separate sheets as necessary)

Berea Oil & Gas Corp.

Well Operator

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

Date: May 16, 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."

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

RECEIVED

FEB 22 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well
(KIND)

Permit No. 001-2025

Company Berea oil & Gas
 Address _____
 Farm John Masessa
 Well No. 2
 District Glade County Barbour
 Drilling commenced _____
 Drilling completed _____ Total depth 260
 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 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: Going to pull 11" and run hole

2-15-84
DATE

Philip Tracy
DISTRICT WELL INSPECTOR

FORM 40
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ DATE I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

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

RECEIVED

FEB 29 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 001-2025

Oil or Gas Well _____
(KIND)

Company Berea oil & gas

Address _____

Farm John Messers

Well No. 2

District Glade County Barbour

Drilling commenced _____

Drilling completed _____ Total depth 3050

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 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: _____

2-21-84
DATE

Philip Long
DISTRICT WELL INSPECTOR

Form 20
2/16/82

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

RECEIVED

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

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

RECEIVED
FEB 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2025

Oil or Gas Well
(KIND)

Company Berea Oil & Gas

Address _____

Farm John Masuso

Well No. 2

District Shade County Barbar

Drilling commenced _____

Drilling completed _____ Total depth 4870

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 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

2-23-84
DATE

Phillip Gray
DISTRICT WELL INSPECTOR

FORM NO
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE LOST

Drillers' Names _____

Remarks: _____

DATE

I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84



RECEIVED
OCT 5 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
May 22, 1984

COMPANY Berea Oil & Gas Corporation
P. O. Box 299
Bridgeport, West Virginia 26330

PERMIT NO 001-2025
FARM & WELL NO Margie Cross, Mosesso #2
DIST. & COUNTY Glade/Barbour

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED PC Bear
DATE 10/3/84

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division

December 17, 1984
DATE

**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.)	<u>47 - 001 - 2- 2025 - 0000</u>				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>102</u> Section of NGPA	<u>2</u> Category Code			
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)	<u>N/A</u> feet				
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	<u>Berea Oil & Gas Corp.</u>			_____ Seller Code	
	Name <u>P. O. Box 299</u>				
	Street <u>Bridgeport</u> <u>WV</u> <u>26330</u>				
	City State Zip Code				
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<u>Glade District</u>				
	Field Name <u>Barbour</u> <u>WV</u> County State				
(b) For OCS wells	<u>N/A</u>				
	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.)	<u>Mosesso #2</u>				
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.)	<u>N/A</u>				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Brooklyn Union Gas Company</u>				
	Name Buyer Code				
(b) Date of the contract:	<u>Not available</u>				
	 Mo Day Yr				
(c) Estimated total annual production from the well:	<u>26</u> 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	<u>3 6 8 0</u>	<u>0 . 3 1 8</u>	-----	<u>3 . 9 9 8</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>3 6 8 0</u>	<u>0 . 3 1 8</u>	-----	<u>3 . 9 9 8</u>
9.0 Person responsible for this application:	<u>Thomas E. Riley, P.E., Manager of Engineering</u>				
	Name		Title		
Agency Use Only		<i>Thomas E Riley</i>			
Date Received by Juris. Agency		_____ Signature			
MAY 17 1984		<u>May 16, 1984</u>		<u>(304)842-6931</u>	
Date Received by FERC		_____ Date Application is Completed		_____ 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) 357-8585.

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 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 geopressed 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 - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

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

Remarks:

APR 17 1984

PARTICIPANTS:

DATE: JUN 14 1984

BUYER-SELLER

WELL OPERATOR: Berea Oil & Gas Corp.

FIRST PURCHASER: Brooklyn Union Gas Co.

OTHER: _____

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

840.517 - 102 - 001 = 2025

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

APPROVED

JUN -7 1984

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 _____
- 18-26. 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 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 Well _____
- (9) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done _____
- 10-17. Is affidavit signed? _____ Notarized? _____
- Does official well record with the Department confirm the submitted information _____
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

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 there is no marker well within 2.5 miles of the well for which this determination is sought.

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 16 day of May, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 16th day of May, 1984

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

Hattie E. Kerns
Notary Public



* * * * *

BOTTOM HOLE PRESSURE DATA

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

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

Where as: PW = 1689.73 psia
G = .65 BHP 1812 psia
L = 3660'
T = 566.6°R

Date May 16, 19 84

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

Operator's Well No. Mosesso #2
API Well No. 47 - 001 - 2025
State County Permit

WELL CLASSIFICATION FORM

WELLS DRILLED MORE THAN 2.5 MILES FROM A MARKER WELL
NGPA Section 102(c)(1)(B)(i) Category 2

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

GAS PURCHASER Brooklyn Union Gas Co.

ADDRESS 195 Montague Street
Brooklyn, NY 11201

LOCATION; Elevation 1538'

Watershed Glade Creek
Dist. Glade County Barbour Quad. Nestorville

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 Service, Midland, Texas. State of W. Va. Geological drilling samples report and completion reports reviewed carefully,



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 and prepared exhibit "A" identifying all wells within a 2.5 mile radius of applicant well.

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:

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

Date May 16, 1984

Operator's Well No. Mosesso #2

API Well No. 47 - 001 - 2025
State County Term

Previous File No. (If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

OPERATOR Berea Oil & 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

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

Well Start 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)

FERC Seller Code _____

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NCPA 102 Category Code 2
- (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 _____ (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 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 _____ 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 (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

MAY 17 1984

Received by _____
Jurisdictional Agency

By Thomas E. Riley
Title _____

**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.)	<u>47 - 001 - 2 - 2025 - 0000</u>																	
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA		Category Code															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>5004</u> feet																	
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Berea Oil & Gas Corp.</u> Name <u>P. O. Box 299</u> Street <u>Bridgeport</u> <u>WV</u> <u>26330</u> 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.)	<u>Glade District</u> Field Name <u>Barbour</u> <u>WV</u> County State																	
(b) For OCS wells:	<u>N/A</u> Area Name Block Number Date of Lease: <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> <td colspan="4"></td> </tr> </table> OCS Lease Number											Mo.	Day	Yr.				
Mo.	Day	Yr.																
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Mosesso #2</u>																	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>N/A</u>																	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Brooklyn Union Gas Company</u> Name			Buyer Code														
(b) Date of the contract:	Not available <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> <td style="border: 1px solid black; width: 15px; height: 15px;"></td> </tr> <tr> <td style="text-align: center;">Mo.</td> <td style="text-align: center;">Day</td> <td style="text-align: center;">Yr.</td> <td colspan="4"></td> </tr> </table>											Mo.	Day	Yr.				
Mo.	Day	Yr.																
(c) Estimated total annual production from the well:	<u>26</u> 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	<u>2 . 8 8 9</u>	<u>0 . 2 4 9</u>	<u>-----</u>	<u>3 . 1 3 8</u>													
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>2 . 8 8 9</u>	<u>0 . 2 4 9</u>	<u>-----</u>	<u>3 . 1 3 8</u>													
9.0 Person responsible for this application:	<u>Thomas E. Riley, P.E., Manager of Engineering</u> Name Title Signature <u>May 16, 1984</u> <u>(304)842-6931</u> Date Application is Completed Phone Number																	

Agency Use Only
Date Received by Jurisdiction Agency MAY 17 1984
Date Received by FERC

**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) 357-8585.

SPECIFIC INSTRUCTIONS

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

Section of NGPA <i>(a)</i>	Category Code <i>(b)</i>	Description <i>(c)</i>
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 geopressed 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 - protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

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

Remarks:

APR 11 1984

DATE: JUN 14 1984

BUYER-SELLER

PARTICIPANTS:

WELL OPERATOR:

Berea Oil & Gas Corp.

FIRST PURCHASER:

Brooklyn Union Gas Co.

OTHER:

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

840.517 - 103 - 001 : 2025

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 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 _____
- (9) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done _____
- 10-17. Is affidavit signed? _____ Notarized? _____
- Does official well record with the Department confirm the submitted information? _____
- Additional information: _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

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

Date May 16, 19 84

Operator's Well No. Mosesso #2
API Well No. 47 - 001 - 2025
State West Virginia County Fayette

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

WELL OPERATOR Berea Oil & Gas Corp.
ADDRESS P. O. Box 299
Bridgeport, Wv 26330

LOCATION: Elevation 1538'
Watershed Glade Creek
Dist. Glade County Barbour Quad Nestorville

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 was begun: 2/13/84

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 = 3660'
T = 566.6°R

BHP = 1812 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 16th day of May, 19 84, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 16th day of May, 19 84. My term of office expires on the 3rd day of January, 19 93.

[NOTARIAL SEAL]

Date May 16, 1984
Operator's Well No. Mosesso #2
API Well No. 67 - 001 - 2025
State WV County Lincoln Termite
Previous File No. (If Applicable)

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)

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)

Buyer Code _____ FEAC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (X1) Initial determination (See FEAC Form 121.) Section of NCPA 103 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 _____
Signature Thomas E Riley
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)

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

Completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and _____, if known.
The Department of Mines has received a request for certification of the above described well under 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 _____, 1984 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 additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

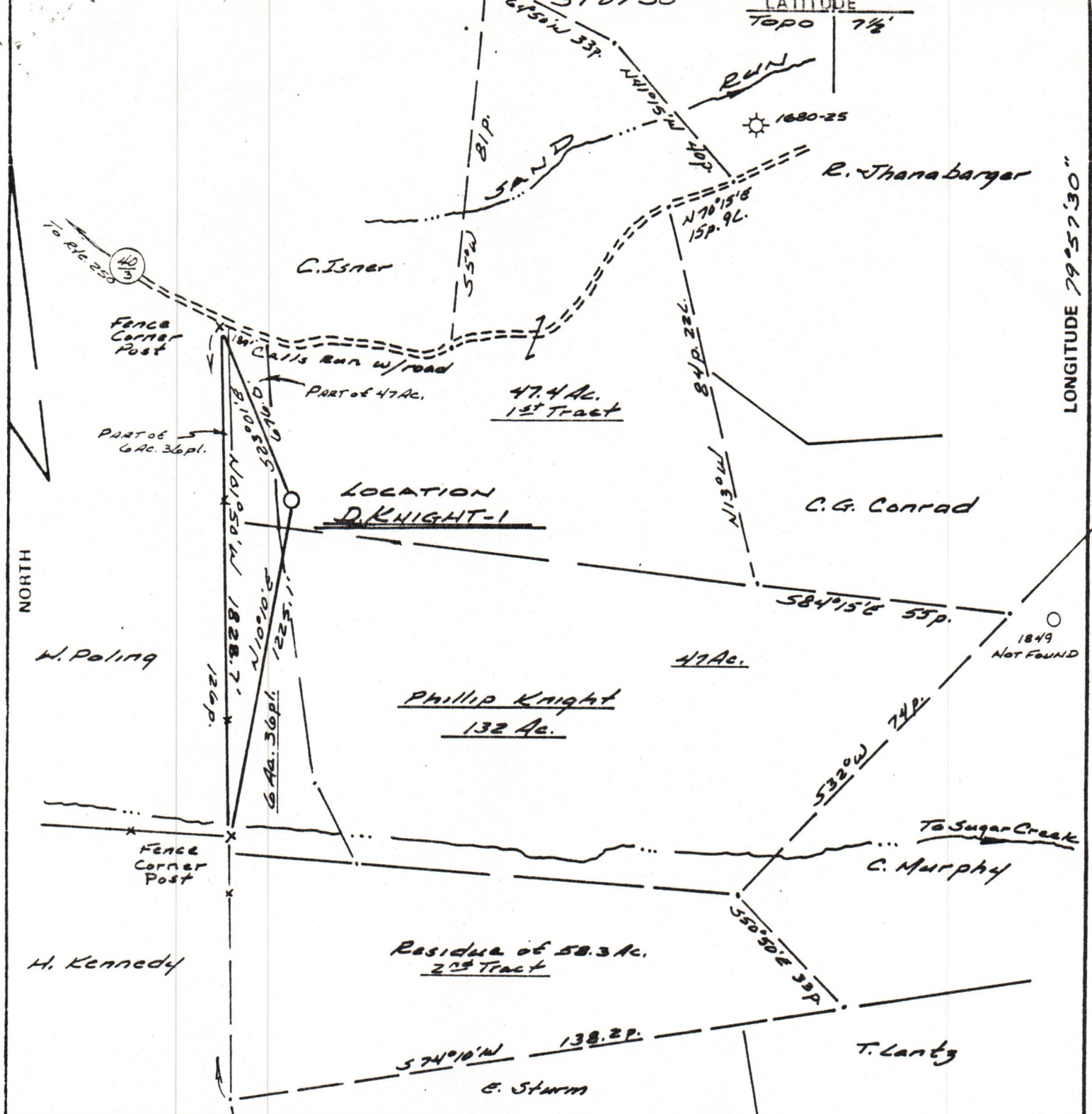
Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the Department and the matter will be determined.

WEST VIRGINIA DEPARTMENT OF MINES

MAY 17 1984

Received By _____
Jurisdictional Agency

Director _____
By _____
Title _____



FILE NO. 586.01
 DRAWING NO. 83-7
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot El. - 1921'
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) Ruford S. Ostrander
 R.P.E. _____ L.L.S. 555
Buckhannon, W. Va. 26201

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 7 February, 19 83
 OPERATOR'S WELL NO. DKnight-1
 API WELL NO. 47-001-2024
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1802' WATER SHED Sand Run
 DISTRICT Glade COUNTY Barbour
 QUADRANGLE Belington
 SURFACE OWNER Phillip Knight ACREAGE 132
 OIL & GAS ROYALTY OWNER DOROTHY Knight LEASE ACREAGE 47.4±
 LEASE NO. _____
 PROPOSED WORK: DRILL X 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 Haverly ESTIMATED DEPTH 5600
 WELL OPERATOR Berea Oil & Gas Corp. DESIGNATED AGENT Mark Schumacher
 ADDRESS 901 Chemical Bank Bldg., 69 Delaware Ave. ADDRESS P.O. Box 299
Buckhannon, New York 14202