



1) Date: September 29, 19 83
 2) Operator's Well No. L. Harman #1
 3) API Well No. 47 - 093 - 0822
 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: 2193' / Watershed: Dry Fork River
 District: Dry Fork / County: Randolph / Quadrangle: Harmon
- 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 Phillip Tracy / Name _____
 Address Phone: (304)472-0091 / 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, Oriskany / **OIL & GAS DIVISION**
 12) Estimated depth of completed well, 7850' feet / **DEPT. OF MINES**
 13) Approximate strata depths: Fresh, 150' feet; salt, 200' feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No /

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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	13 3/8	H40	48	X		250'	250'	to surface	Kinds By Rule 15.05
Fresh water									
Coal									Sizes
Intermediate	9 5/8	J55	36	X		3100'	3100'	1000' Fillup	or U.S. Reg
Production	4 1/2	N80	11.6	X		7850'	7850'	1000' Fillup	Depths set bu Rule 15.01
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-083-0822 / Date October 3, 19 83

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 October 3, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

BLANKET BOND

Bond	Agent:	Plat:	Casing	Fee
	<u>to</u>	<u>T.S.</u>	<u>T.S.</u>	<u>141.05</u>

[Signature]
 Administrator, Office of Oil and Gas

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

File

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



1) Date: September 29, 1983
2) Operator's Well No. 47
3) API Well No. 47
State West Virginia
County Putnam

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

OFFICE USE ONLY

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

4) WELL LOCATION: B (H. Gas), Production
Elevation: 2193'
Washed: Dry Fork River
District: Putnam
County: Putnam
WELL OPERATOR: Bates Oil & Gas Corp.
Address: P.O. Box 269
Dover, OH 44822
DESIGNATED AGENT: Mark Schumacher
Address: P.O. Box 299
Putnam County, WV 26330
DRILLING CONTRACTOR: Patricia Tracy
Address: Phone: (304) 472-0081
PROPOSED WELL WORK: Drill deeper / Redrill / Stimulate
Plug off old formation / Perform new formation
Other physical change in well (specify):
GEOLOGICAL TARGET FORMATION: Oil & Gas Division
Estimated depth of completed well: 7350' feet
Approximate true depths: Fresh: 150' feet, Salt: 200' feet
Approximate coal seam depths: 150' feet
CASING AND TUBING PROGRAM

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TUBING OR CASING TYPE	Size	Grade	SPECIFICATIONS		Footage Intervals	Left in well	Cement fill-up or sacks (Cubic feet)	Packers
			Weight per ft.	New / Used				
Conductor	2 3/8	E40	48	X	250'	250'	to surface	Kind: 57 Rufe 15.05
Fresh water								
Coal								
Intermediate	2 5/8	J55	38	X	3100'	3100'	1900' to 3100'	Size: 15.05
Production	2 1/2	J50	11.8	X	7550'	7550'	1900' to 7550'	Depth set: 15.05

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 _____

OTHER INSPECTIONS

Reason: _____

Reason: _____

Bond	Agent	Plan	Casing	Fee
------	-------	------	--------	-----

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

1) Date: 10/3, 1983
2) Operator's Well No. _____
3) API Well No. 47-083-0822
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 LEONA HARMAN
Address HARMAN, W.V.A.

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR N/A
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name N/A
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

RECEIVED

OCT - 3 1983

OIL & GAS DIVISION
DEPT. OF MINES

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.

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.

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.

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

Ken E. Foote
this 3rd day of October, 1983.
My commission expires 3-9, 1992.

Lois A. Simpler
Notary Public, Kanawha County,
State of West Virginia

WELL OPERATOR Berea Oil & Gas Corp
By Ken E. Foote
Its Landman
Address 2301 Progress St
Dever Ohio 44622
Telephone (216) - 364-7731

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:

Grantor, lessor, etc.

Grantee, lessee, etc.

Royalty

Book Page



DATE September 30, 1983
WELL NO. L. Harman #1
API NO. 047-083-0822

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME BEREA OIL & GAS CORP.
901 CHEMICAL BANK BLDG.
Address 69 DELAWARE AVE., BUFFALO, NY 14202
Telephone (716) 842-0711

DESIGNATED AGENT MARK SCHUMACHER
ONE BEREA PLAZA
Address BRIDGEPORT, WV 26330
Telephone (304) 842-6931

LANDOWNER Leona Harman

SOIL CONS. DISTRICT Tygart Valley
(Agent)

Revegetation to be carried out by _____ RECLAMATION CONTRACTOR

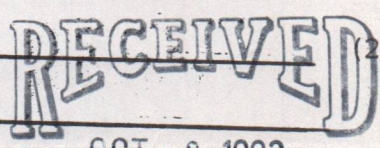
This plan has been reviewed by Tygart Valley SCD. All corrections and additions become a part of this plan: 9/30/83 (Date)

Junior Hedrick
(SCD Agent)

ACCESS ROAD

Structure ROAD CULVERT (A)
Spacing 12" DIAMETER
Page Ref. Manual 2.7
Structure DRAINAGE DITCH (B)
Spacing EARTHEN
Page Ref. Manual 2.12
Structure CROSS DRAINS (C)
Spacing SEE SKETCH
Page Ref. Manual 2.4

LOCATION
Structure DIVERSION DITCH (1)
Material EARTHEN
Page Ref. Manual 2.12
Structure _____
Material _____
Page Ref. Manual OCT - 3 1983
Structure OIL & GAS DIVISION (3)
Material DEPT. OF MINES
Page Ref. Manual _____



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

REVEGETATION

Treatment Area I

Lime 4 Tons/acre
or correct to pH _____
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch HAY 2 Tons/acre
Seed* 81% ORCHARD GRASS/15% RYE 16 lbs/acre
KENTUCKY 31 FESCUE 16 lbs/acre
RED CLOVER 8 lbs/acre

Treatment Area II

Lime _____ Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* SAME AS lbs/acre
I lbs/acre
_____ lbs/acre

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

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

PLAN PREPARED BY Burl Smith
ADDRESS P.O. Box 531
Buckhannon, WV 26201
PHONE NO. 472-1002

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE *Harman*



Sketch drill part

Isite, five

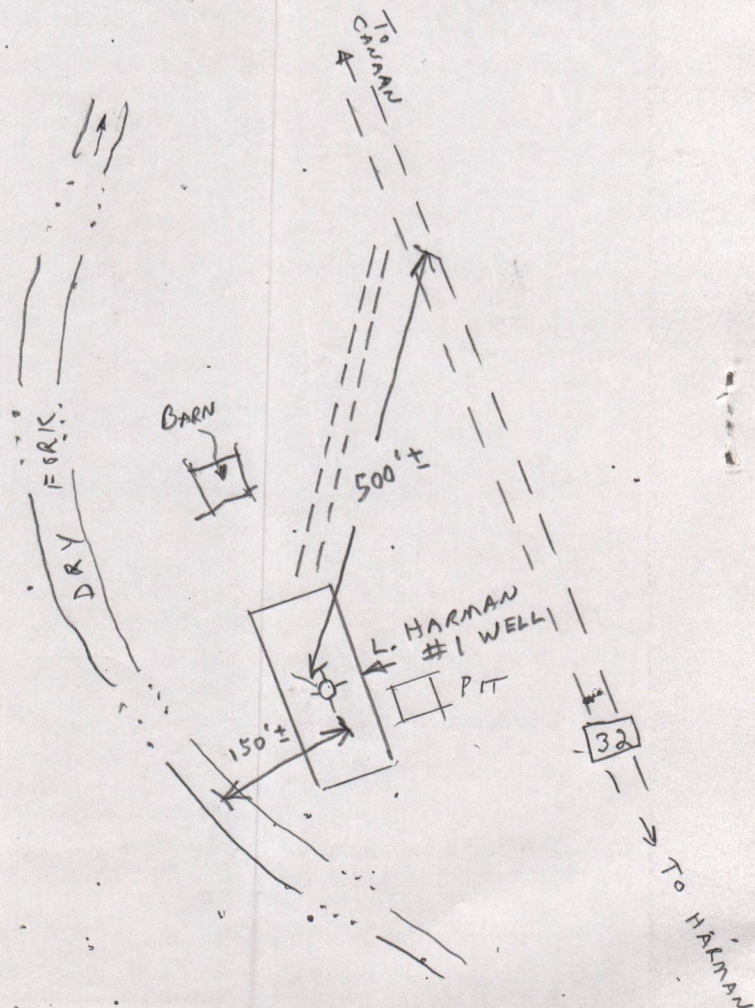
LEGEND

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

NOTES:

1. NO ROAD CULVERT REQUIRED.
2. SITE IS IN LEVEL MEADOW.
3. NO DRAINAGE DITCHES OR CROSS DRAINS REQUIRED.

Recommend topsail to be stockpiled





1) Date: September 29, 19 83
 2) Operator's Well No. L. Harman #1
 3) API Well No. 47 093
 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: 2193' Watershed: Dry Fork River
 District: Dry Fork County: Randolph Quadrangle: Harmon
 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 Phillip Tracy Name _____
 Address Phone: (304)472-0091 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, Oriskany
 12) Estimated depth of completed well, 7850' feet
 13) Approximate strata depths: Fresh, 150' feet; salt, 200' feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No

RECEIVED
 OCT - 3 1983
 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	Kinds
Conductor	13 3/8	H40	48	X		250'	250'	to surface	By Rule 15.05
Fresh water									
Coal								Sizes	
Intermediate	9 5/8	J55	36	X		3100'	3100'	1000' Fillup	or U.S. Reg
Production	4 1/2	N80	11.6	X		7850'	7850'	1000' Fillup	Depths set by Rule 15.01
Tubing									
Liners								Perforations:	
								Top	Bottom

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.)

(For execution by natural persons)

NAME: Berea Oil & Gas Corporation

Leona Harman Date: 9/29/83
 (Signature)

By Rm E Toose

(Signature)

Its Landman Date 9/29/83

(Signature)

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.

Line Item Explanation

A9

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

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

WAIVER

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.

Leona Harmon

Date: 9/29, 19 83

By _____

Its _____



STATE OF WEST VIRGINIA
 OIL AND GAS CONSERVATION COMMISSION
 CHARLESTON 25305

October 3, 1983

Theodore M. Streit, Administrator
 Department of Mines
 Office of Oil and Gas

RE: APPLICATION FOR PERMIT #47-083 -0822 TO DRILL DEEP WELL

COMPANY: BEREA OIL & GAS CORPORATION

FARM: HARMAN

COUNTY: RANDOLPH DISTRICT: DRY FORK

The application of the above company is APPROVED FOR ORISKANY COMPLETION
 (APPROVED - DISAPPROVED)

Applicant HAS complied with the provisions of Chapter twenty-two, HAS - HAS NOT four-A (§22-4A), of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission, as follows:

1. *Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes*
2. *Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of the deep well, well name, and the name and address of the operator, and, ***
3. *Provided a plat showing that the proposed location is a distance of 625 feet from the nearest unit boundary and showing the following wells drilling to or capable of producing from the objective formation within 3,000 feet of the proposed location: See ***

**
 083-0159 - 3350' P&A

Very truly yours,

Brett Loffin
 Petroleum Engineer

LBL/rf



berea oil & gas corp.

One Berea Plaza • Routes 50/76 • Bridgeport, West Virginia 26330 • (304) 842-6931
November 23, 1983

Tom Rogers, Commissioner
Oil and Gas Conservation Commission
1615 Washington Street, East
Charleston, West Virginia
25311

RE: L. Harman #1 (47-083-0822)
Completion Report

Dear Sir:

Enclosed please find the "Well Operator's Report of Drilling, Fracturing and/or Stimulating, or Physical Change" (Form IV-35) for the above captioned well, as required by Chapter 22-4A, Section 3.06 of the West Virginia Administrative Regulations, 1979 Edition.

As required under Section 2.10, a record of the deviation surveys made on this well is also enclosed.

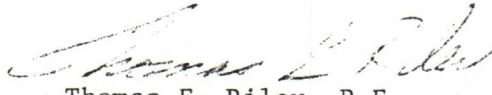
The "Well Operator's Report of Initial Gas-Oil Ratio Test" (Form IV-36) required by Section 3.12, is also enclosed.

We trust you will find this information beneficial. However, we request that all information contained herein be kept confidential for the one year period allowed under Section 2.06.

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 AND GAS CORP.


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

TER/lk
Encl.

cc: Buffalo Office
Dover Office
D. Copley's Office
H. Ketcham, Jr.
E. Mehring
T. Barnes, Jr.
Well File

RECEIVED

AUG 16 1984

OIL & GAS DIVISION
DEPT. OF MINES

• Corporate Headquarters •



berea oil & gas corp.

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

August 15, 1984

RECEIVED
AUG 16 1984

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

OIL & GAS DIVISION
DEPT. OF MINES

RE: Berea Federal Unit #2 (47-083-0884)
L. Harman #1 (47-083-0822)

Dear Mr. Streit:

Attached please find copies of your correspondence of August 8, 1984 requesting the original and two copies of completion drilling records for the above referenced Randolph county wells.

Listed below is the status of the two (2) wells in question.

<u>WELL NAME</u>	<u>PERMIT #</u>	<u>STATUS</u>
BEREA FEDERAL #2	47-083-0884	Original completion record was submitted 5/7/84. Three duplicate copies were submitted 5/23/84 per your request. <u>Attached please find copies of all cover letters and the third set of completion records.</u> <u>Copy of Dual Laterolog, Litho-Density/Compensated Neutron Log Headings are attached showing TD depth @ 7830' as shown on completion record.</u>
L. HARMAN UNIT #1	47-083-0822	Original completion record was submitted 11/23/83. <u>Attached per your request are three duplicate copies.</u>

I trust the above information is sufficient to make a "Final Inspection" on both the Berea Federal #2 and the L. Harman #1 wells. However, should you need additional information, please contact me at (304)842-6931 at our Bridgeport, West Virginia office.

Respectfully,

BEREA OIL & GAS CORP.

Libby Kerns

Libby Kerns,
Regulatory Clerk

/lk
Encl.

cc: T. Riley
File

• Corporate Headquarters •

WEST VIRGINIA DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON, WEST VIRGINIA
INTER-OFFICE MEMORANDUM

TO: All Concerned DATE: 9/17/84
FROM: C. Milam SUBJECT: " Confidential Well Records "

<u>PERMIT NUMBER</u>		<u>CONFIDENTIAL TILL DATE</u>	
013-3618	-----	12-2-84	
013-3680	-----	3-3-85	
035-1905	-----	3-17-85	
023-0006	-----	2-7-85	
023-0007	-----	5-31-85	
035-1940	-----	5-2-85	
083-0822	-----	10-24-84	— 10/24/86
083-0884	-----	3-26-85	
093-0060-REV	---	4-28-85	
093-0065-FRAC	--	8-11-85	



RECEIVED
JUN 18 1985

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

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
December 19, 1984

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

PERMIT NO 083-0822(10-03-83)
FARM & WELL NO L. Harman #1
DIST. & COUNTY Dry Fork/Randolph

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:

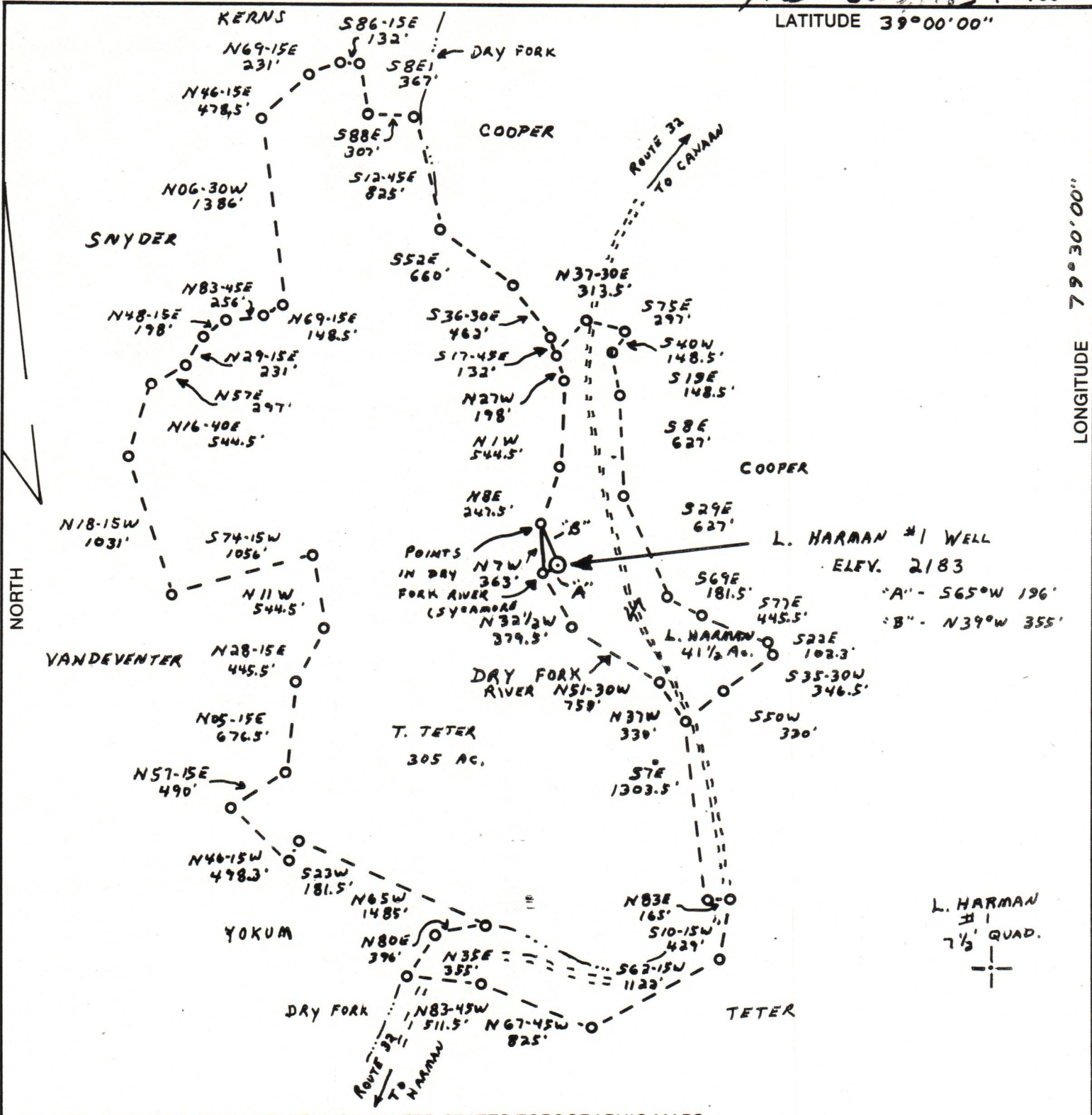
SIGNED Phillip Tracy
DATE 6-10-85

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

June 25, 1985
DATE

T.S. 8 Oct 1983 1400'
 LATITUDE 39°00'00"



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION BM EL. 2183'
600' TO NORTHWEST

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) Burl Smith
 R.P.E. 6288 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE OCTOBER 3, 19 83
 OPERATOR'S WELL NO. L. HARMAN #1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___

LOCATION: ELEVATION 2183' WATERSHED DRY FORK
 DISTRICT DRY FORK COUNTY RANDOLPH
 QUADRANGLE HARMAN T.S.

SURFACE OWNER L. HARMAN ACREAGE 41 1/2
 OIL & GAS ROYALTY OWNER L. HARMAN - 41 1/2 AC.; T. TETER 305 AC. LEASE ACREAGE 41 1/2 + 305 = 346 1/2

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 ORISKANY ESTIMATED DEPTH 8700'
 WELL OPERATOR BEREA OIL & GAS CORP. DESIGNATED AGENT MARK SCHUMACHER
 ADDRESS 901 CHEMICAL BANK BLDG. 69 DELAWARE AVE. BUFFALO, NY 14202 ADDRESS ONE BEREA PLAZA BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

FORM IV-5 (8-78) H.T. HALL