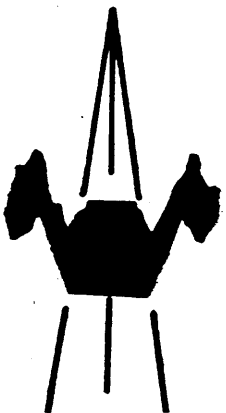
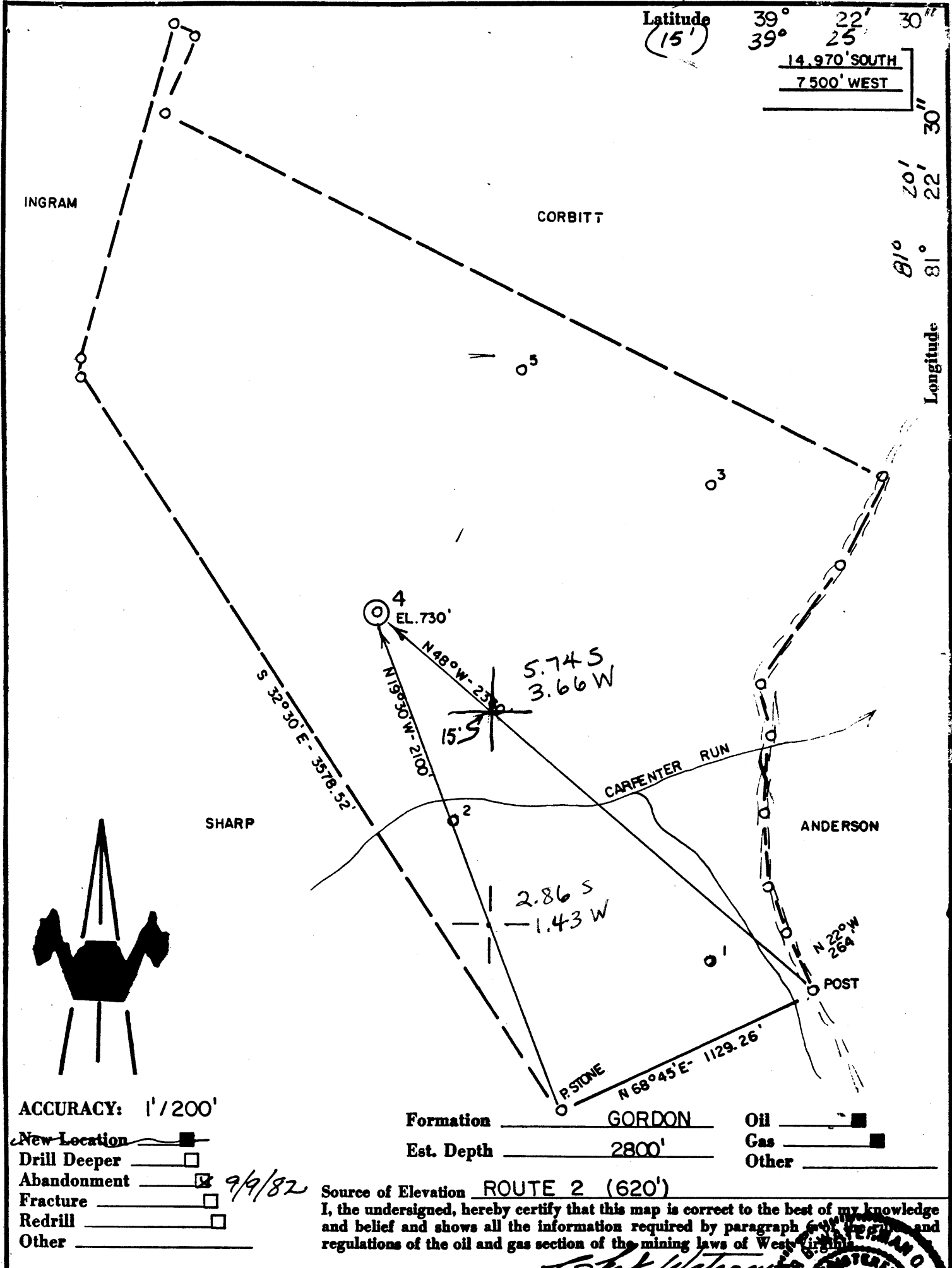


Latitude **(15')**  $39^{\circ} 22' 30''$   
 $39^{\circ} 25'$   
 14,970' SOUTH  
 7,500' WEST

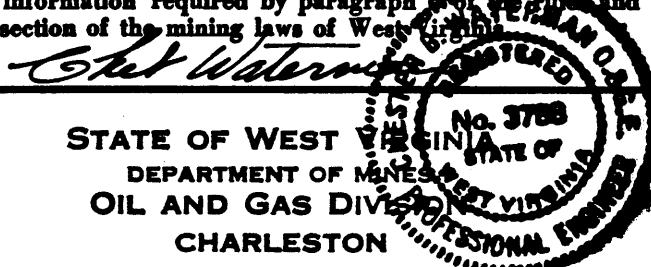


ACCURACY: 1'/200'

- New Location
- Drill Deeper
- Abandonment  9/9/82
- Fracture
- Redrill
- Other

Formation GORDON Oil   
 Est. Depth 2800' Gas   
 Other

Source of Elevation ROUTE 2 (620')  
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the act and regulations of the oil and gas section of the mining laws of West Virginia.



Company BEREA OIL & GAS CO.  
 Address CLARKSBURG, WV  
 Surface Owner CREOLE DAVIS  
 Mineral Owner " "

---

Well No. 4 Acres 155.93  
 Elevation 730' MARIETTA 15'  
 Quadrangle VALLEY MILLS Series 7.5'  
 County WOOD District UNION  
 Date 10/10/80 Scale 1" = 500'

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

**WELL LOCATION MAP**  
47 - 107 - 1096 - P  
 STATE COUNTY PERMIT

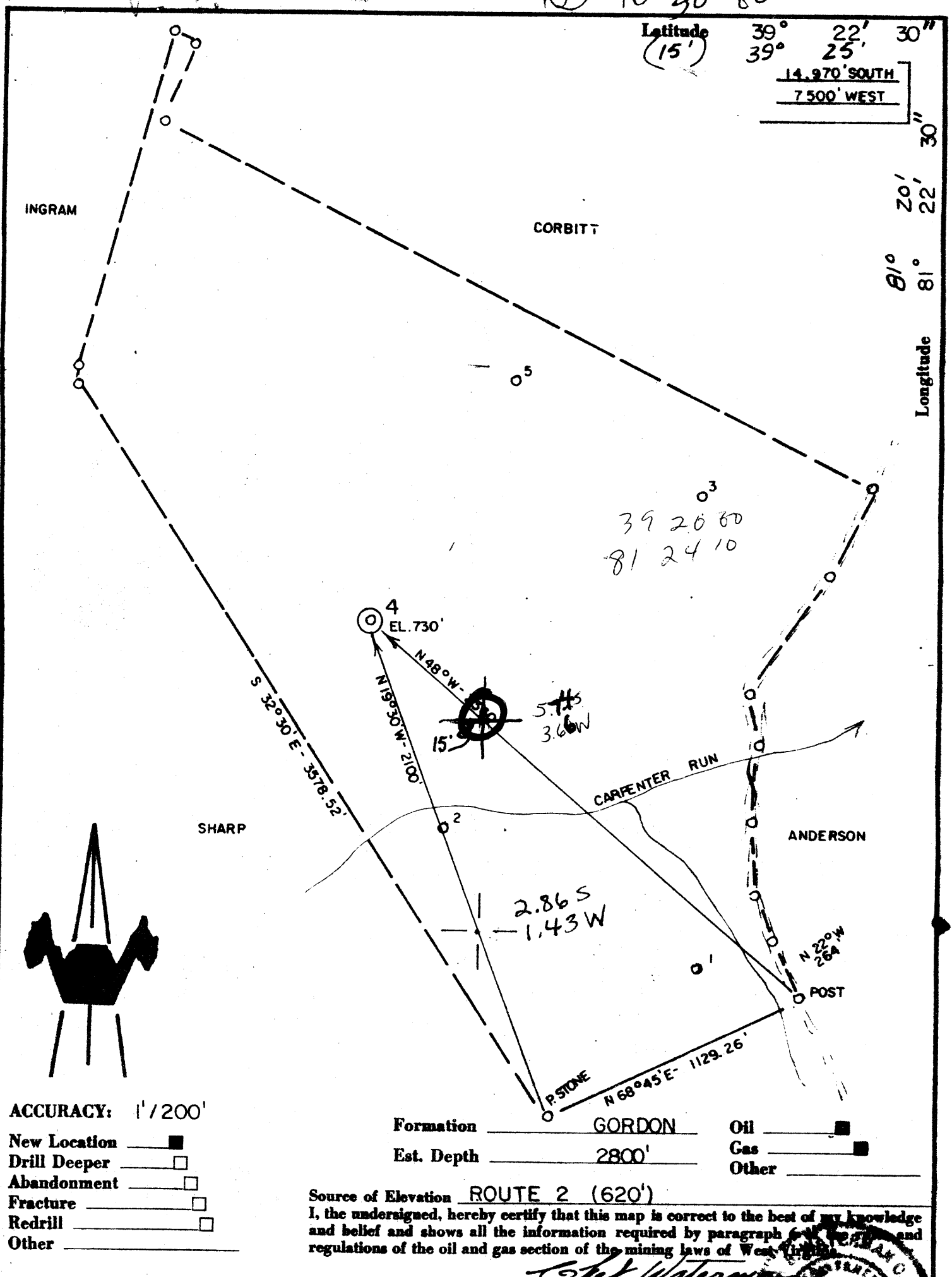
+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN SEP 13 1980  
 Engineer's Registration No. 3788 File No. 80-611

4000 OHIO SHALE

10-30-80

Latitude  $39^{\circ} 22' 30''$   
 $(15')$   $39^{\circ} 25'$   
14,970' SOUTH  
7,500' WEST

Longitude  $81^{\circ} 20' 30''$   
 $81^{\circ}$



ACCURACY: 1' / 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation GORDON Oil

Est. Depth 2800' Gas

Other

Source of Elevation ROUTE 2 (620')

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the act and regulations of the oil and gas section of the mining laws of West Virginia.

*Chet Waterman*

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

3788

Company BEREA OIL & GAS CO.

Address CLARKSBURG, WV

Surface Owner CREOLE DAVIS

Mineral Owner " "

Well No. 4 Acres 155.93

Elevation 730' MARIETTA 15' C

Quadrangle VALLEY MILLS Series 7.5'

County WOOD District UNION

Date 10/10/80 Scale 1" = 500'

**WELL LOCATION MAP**

47 - 107 - 1096

STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer **CHET WATERMAN**  
 Engineer's Registration No. 3788 File No. 80-611

6-0 Hendershot-Ogden (72)

4000 OHIO SHALE



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

JAN 26 1981

OIL & GAS DIVISION  
DEPT. OF MINES

Rotary xxx Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb xxx \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

mm Valley Mills 7.5  
Quadrangle \_\_\_\_\_  
Permit No. 47 -107- 1096

Company <u>Berea Oil and Gas Corp</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>652 Empire Bank, Clarksburg, W. Va. 26301</u>				
Farm <u>Creela B. Davis</u> Acres <u>155.93</u>	Size <u>20-16</u>			
Location (waters) <u>Carpenter Run</u>	Cond. <u>13-10"</u>			
Well No. <u>4</u> Elev. <u>730</u>	<u>9 5/8</u>			
District <u>Union</u> County <u>Wood</u>	<u>8 5/8</u>	<u>255</u>	<u>255'</u>	<u>90 sx</u>
The surface of tract is owned in fee by <u>Creela B. Davis</u>	<u>7</u>			
Address <u>14 Knalli Ct. Newport Beach, Calif.</u>	<u>5 1/2</u>			
Mineral rights are owned by _____ Address <u>Same</u>	<u>4 1/2</u>	<u>2575.40</u>	<u>2575.40</u>	<u>230 sx.</u>
Drilling Commenced <u>12/14/80</u>	<u>3</u>			
Drilling Completed <u>12/19/80</u>	<u>2</u>			
Initial open flow <u>50</u> cu. ft. <u>0</u> bbls.	Liners Used			
Final production <u>20.1</u> cu. ft. per day <u>0</u> bbls.				
Well open <u>4</u> hrs. before test <u>450#</u> RP.				

Well treatment details:  
 12/29/80 Gordon 2068-2096 perms. 15 holes. 166,000 SCF N2, 650 bbls. water  
~~450 sx. 20/40 sand 150 sx. 80/100 sand~~  
 12/29/80 Berea 2444' 2456' Perfs. 24 holes. 850 bbls. water 206,000 SCF N2  
 500 sx. 20/40 sand 150 sx. 80/100 sand

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water 40 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Gordon and Berea Depth 2068' - 2456'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand and Shale			Surface	1520'		
Injun			1520'	1712'		
Shale			1712'	2084'		
Berea			2084'	2097'		
Shale			2097'	2433'		
Gordon ✓			2433'	2458'		
Shale			2458'	2614'	T.D.	

MAR 9 1981

(over)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water • Remarks

Date 1/20/81 1981

APPROVED Berea Oil and Gas Corp. Owner

By [Signature] Vice Pres.

(7110)

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 28 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION DEPT. OF MINES

THE STATE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE October 20, 1980

Surface Owner Creela B. Davis

Company Berea Oil and Gas Corp.

Address 15 Kmalli Ct., Newport Beach, California Address 652 Empire Bank, Clarksburg, W. Va.

Mineral Owner Same

Farm C. Davis Acres 155.93

Address

Location (waters) Carpenter Run

Coal Owner None

Well No. 4 Elevation 730'

Address

District Union County Wood

Coal Owner None

Quadrangle Valley Mills

Address

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved

for drilling. This permit shall expire if  
operations have not commenced by 7-3-81.

INSPECTOR K. Paul Goodnight  
TO BE NOTIFIED

ADDRESS Smithville, W. Va.

PHONE 477-3660

Frederic B. Bennett  
Deputy Director - Oil & Gas Division

GRANT

The operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee  
in the case may be) under grant or lease dated Oct. 5 19 80 by Creela  
B. Davis made to Berea Oil and Gas Corp. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_  
Wood County, Book 745 Page 33

DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators  
have been notified of the above date.

The above named owners and/or operator are hereby notified that any objection they wish to make, or are required  
to make, under Section 4 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this permit and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators  
or coal owners at the above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the  
same day, with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SEND COPIES OF ALL  
GROUPS TO BE DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P.O. BOX 100  
CHARLESTON, WEST VIRGINIA 26005  
606-304-292

Very truly yours,

(Sign Name) M. Schumacher  
BEREA OIL AND GAS CORPORATION  
652 Empire Bank Bldg.

Address \_\_\_\_\_  
City or Town \_\_\_\_\_  
State \_\_\_\_\_

Street \_\_\_\_\_  
City or Town \_\_\_\_\_  
W. Va. \_\_\_\_\_  
State \_\_\_\_\_

When this permit is filed or found by the Department of mines, within said period of ten days from the receipt of  
this permit by the department of mines, at said proposed location, the department shall forthwith issue to the well operator a permit relating  
to such permit and no objections have been made by the coal operators or found thereto by the department and that the same is approved  
and that the same is approved.

47-107-1096

PERMIT NUMBER

BLANKET BOND



