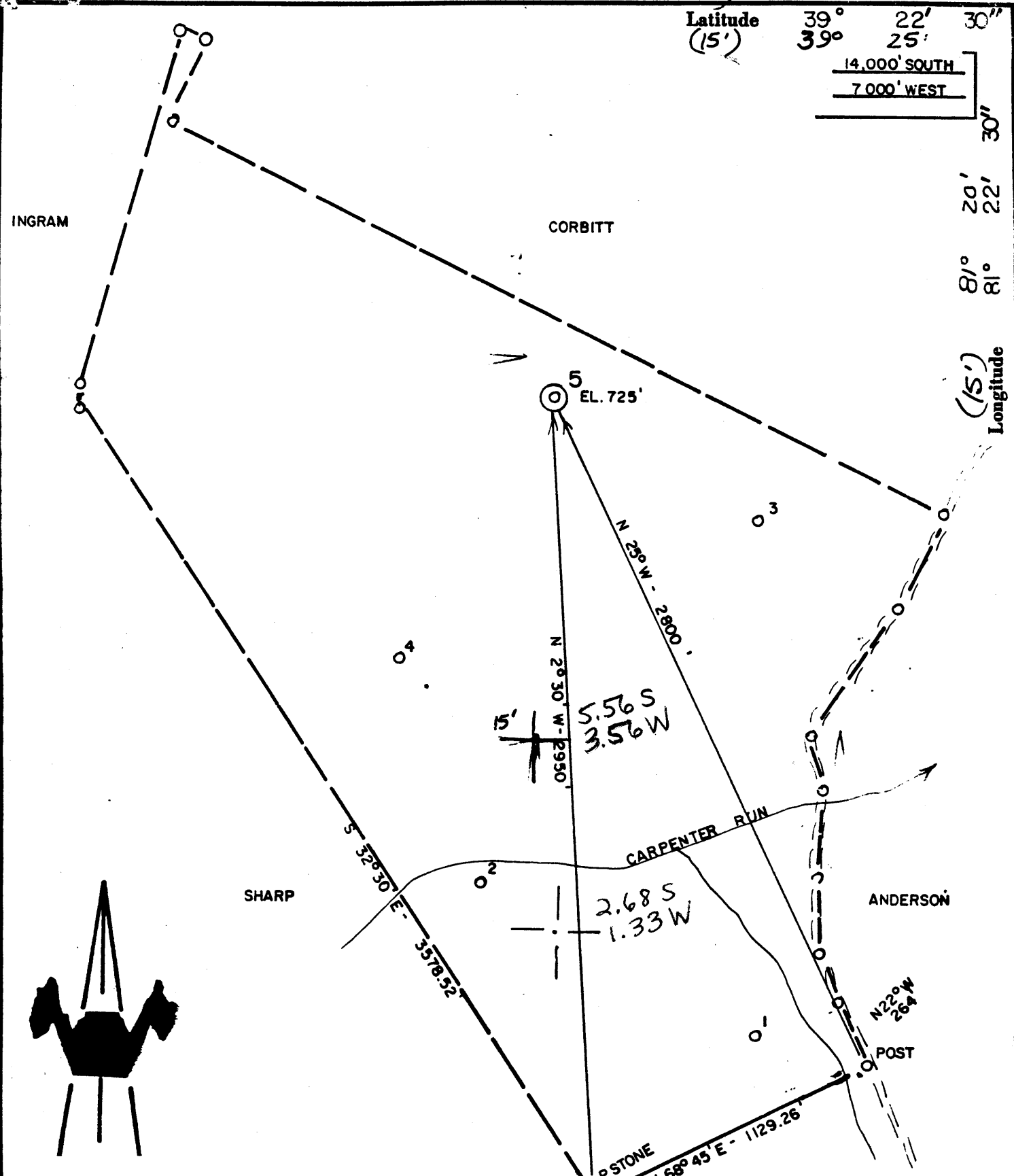


Plot Card CSD D 10 30-80

Latitude 39° 22' 30"  
 (15') 39° 25'  
 14,000' SOUTH  
 7,000' WEST



ACCURACY: 1/200'

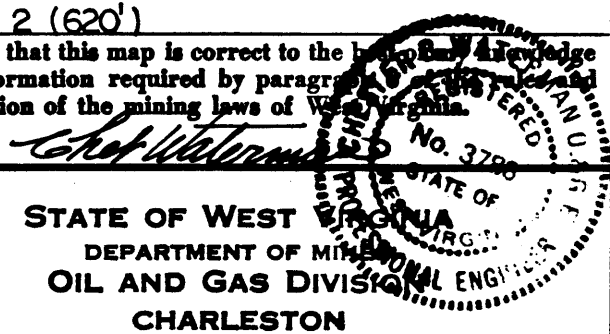
- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation GORDON Oil   
 Est. Depth 2800' Gas   
 Other

9/9/82

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 4 of the regulations of the oil and gas section of the mining laws of West Virginia.



Company BEREA OIL & GAS CO.  
 Address CLARKSBURG, WV  
 Surface Owner CREOLA DAVIS  
 Mineral Owner " "  
 Well No. 5 Acres 155.93  
 Elevation 725' MARIETTA 15'  
 Quadrangle VALLEY MILLS Series 7.5'  
 County WOOD District UNION  
 Date 10/10/80 Scale 1" = 500'

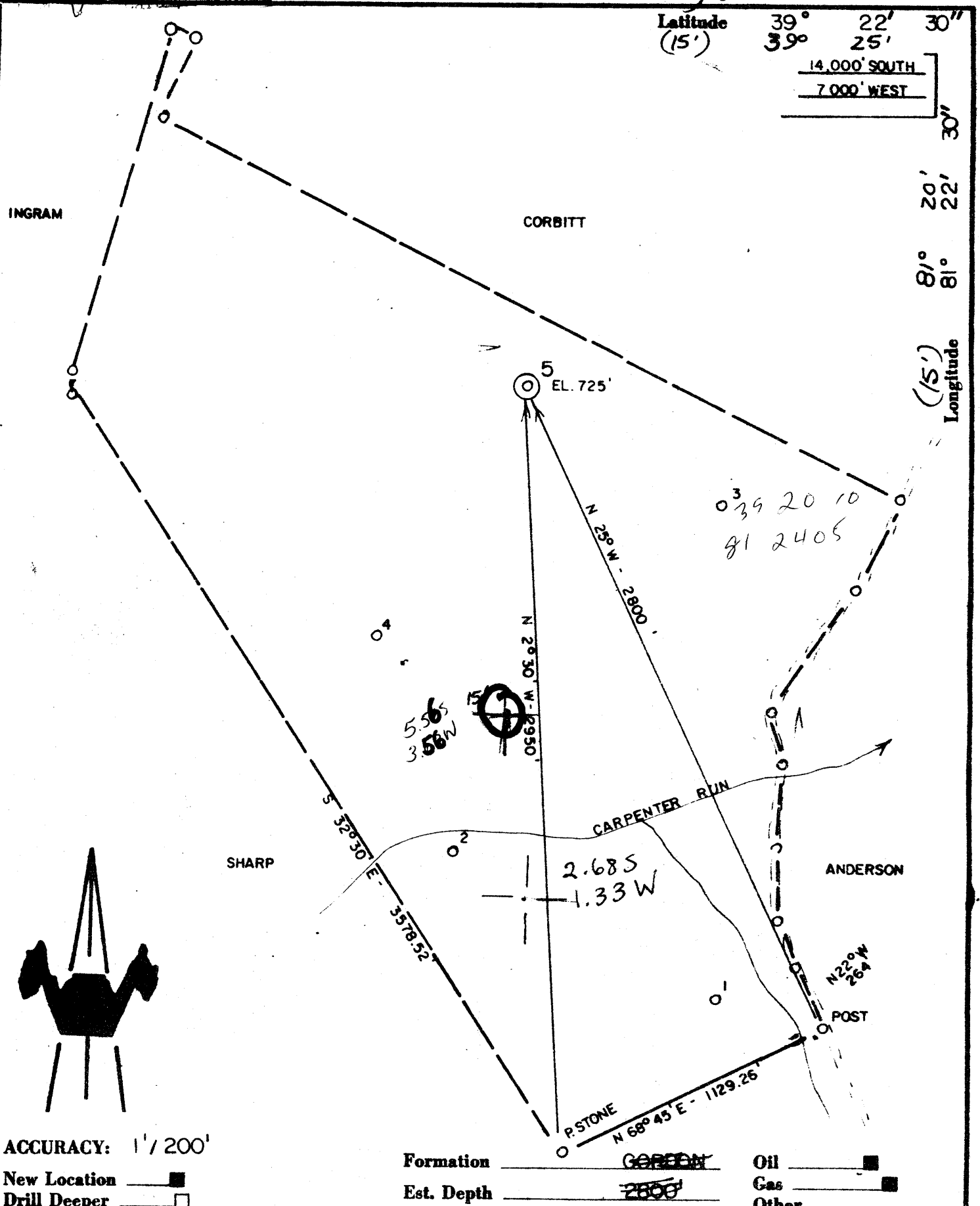
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINERAL ENGINEERING  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
47 - 107 - 1097-P  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 80-612

4000 OHIO SHALE

10 10 30-80

Latitude 39° 22' 30"  
(15') 39° 25'  
14,000' SOUTH  
7,000' WEST



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 rules and regulations of the oil and gas section of the mining laws of West Virginia.

*Chet Waterman*

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

Well No. 5 Acres 155.93  
 Elevation 725' MARIETTA (15) C  
 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 - 1097  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 80-612

6-0 Waverly (71)

4000 OHIO SHALE DEC 19 1980



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

RECEIVED  
 FEB 13 1981  
 OIL & GAS DIVISION  
 DEPT. OF MINES

Rotary  Oil  
 Cable  Gas  
 Recycling  Comb.   
 Water Flood  Storage   
 Disposal  (Kind)

Quadrangle Valley Mills

Permit No. 47-107-1097

Company Berea Oil & Gas Corporation  
 Address 652 Empire Bank Bldg. Clarksburg, WV  
 Farm Davis Acres 155.93  
 Location (waters) Carpenter Run  
 Well No. 5 Elev. 725  
 District Union County Wood  
 The surface of tract is owned in fee by Creela B. Davis  
 Address 15 Kmalii Ct., Newport Beach, Calif.  
 Mineral rights are owned by same  
 Address \_\_\_\_\_  
 Drilling Commenced 12/7/80  
 Drilling Completed 12/12/80  
 Initial open flow 50 cu. ft. \_\_\_\_\_ bbls.  
 Final production 8 Mcu. ft. per day show bbls.  
 Well open 4 hrs. before test 160 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	247'	247'	90 Sks.
7			
5 1/2			
4 1/2	2581.4'	2581.4'	230 Sks.
3			
2		2026'	
Liners Used			

Well treatment details: Attach copy of cementing record.

12/24/80 1st-Gordon 2424-47' Perf. 18 holes, 800 bbl. water, 150 sks. 80/100 sand, 450 sks. 20/40 sand.  
2nd-Berea 2036-81 15 holes, 913 bbl water, 180,000 SCF N<sub>2</sub>, 150 sks. 80/100 sand, 500 sks. 20/40 sand.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches

Fresh water 40 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand Berea-Gordon Depth 2056 - 2447'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			Surface	1594		
Injun			1594	1719		
Sand and Shale			1719	2070		
Berea			2070	2083		
Sand and Shale			2083	2422		
Gordon			2422	2449		
Sand and Shale			2449	2610	TD	

(over)

\* Indicates Electric Log tops in the remarks section.

MAR 23 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED

OCT 28 1980

OIL AND GAS WELL PERMIT APPLICATION OIL & GAS DIVISION  
DEPT. OF MINES

TO THE DEPARTMENT OF MINES  
Charleston, W. Va.

DATE October 20, 1980

Surface Owner Creela B. Davis  
Address 15 Kmalii Ct. Newport Beach, Calif.  
Address Same  
Address \_\_\_\_\_  
Coal Owner None  
Address \_\_\_\_\_  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_

Company Berea Oil and Gas Corporation  
Address 652 Empire Bank Clarksburg, W. Va.  
Farm C. Davis Acres 155 93  
Location (waters) Carpenter Run  
Well No. 5 Elevation 725'  
District Union County Wood  
Quadrangle Valley Mills

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

Fred W. Smith  
Deputy Director - Oil & Gas Division

ENTIRELY

The undersigned operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title therein, 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

THE 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 undersigned coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make, under 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.

Very truly yours,

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

Address  
of  
Well Operator

Street  
Clarksburg

City or Town  
W. Va.

State

DEPARTMENT OF MINES  
DIRECTLY TO  
WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
1000 UNIVERSITY AVENUE  
MORGANTOWN, WEST VIRGINIA 26505

47-107-1097

PERMIT NUMBER

BLANKET BOND

*Sumner*

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO  DRILL  DEEPEN  FRACTURE STIMULATE  
 DRILLING CONTRACTOR (If Known) RESPONSIBLE AGENT:  
 NAME Shawnee Drilling Co. NAME M. V. Schumacher, P.E.  
 ADDRESS Marietta, Ohio ADDRESS 652 Empire Bank, Clarksburg, W.Va  
 TELEPHONE 614-373-6384 TELEPHONE 624-6429

ESTIMATED DEPTH OF COMPLETED WELL 4000' ROTARY  CABLE TOOLS  
 PROPOSED GEOLOGICAL FORMATION Ohio Shale

TYPE OF WELL OIL GAS COMB  STORAGE DISPOSAL  
 RECYCLING WATER FLOOD OTHER

TENTATIVE CASING PROGRAM

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT FILL UP OR SACKS (CUBIC FT.)
10" 16			
13" 10			
8" 5/8			
8" 5/8	250'	250'	To surface
	3980'	3980'	1500' Fillup Perf. Top Perf. Bottom Perf. Top Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 25 FEET SALT WATER FEET  
 APPROXIMATE COAL DEPTHS None

IS COAL BEING MINED IN THE AREA? No BY WHOM? N/A

TO DRILL

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.  
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof:

WAIVER: I, the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under consideration, have examined and place on our mine maps this proposed well location.

We, the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, provided the operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Original File

**RECEIVED**

OCT 21 1982

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Coal Operator or Owner	Berea Oil And Gas Corp.
Address	Name of Well Operator
Coal Operator or Owner	P O Box 299, Bridgeport, WV 26330
Address	Complete Address
Lease or Property Owner	October 20, 19 82
Address	WELL AND LOCATION
	Union District
	Wood County
	WELL NO. Davis #5
	C. Davis Farm

STATE INSPECTOR SUPERVISING PLUGGING Samuel N. Hersman

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Harrison ss:

Thomas W. Mallernee and Dean White

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Berea Oil And Gas Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 4th day of October, 19 82, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
10/4/82			2026'	none
				1 1/2"
10/5/82			1058'	1523.4'
				4 1/2"
2581' - 1700'	70 sks com cmt	cement plug		
276' - 176'	30 sks com cmt	cement plug		
50' - surface	30 sks com cmt	cement plug		
Coal Seams		Description of Monument		
(Name) <u>None</u>		6" pipe w/permit # welded on		
(Name)		Filled w/cmt; extends 4'		
(Name)		above surface; cmtd into		
(Name)		8 5/8" csg.		

and that the work of plugging and filling said well was completed on the 5th day of October, 19 82.

And further deponents saith not.

Sworn to and subscribed before me this 20th day of

Dean White  
Thomas W. Mallernee  
October 19 82  
Nancy G. Cursey  
Notary Public

My commission expires:  
June 9, 1986

Permit No. 47-107-1097-P

WOOD - 1097-P