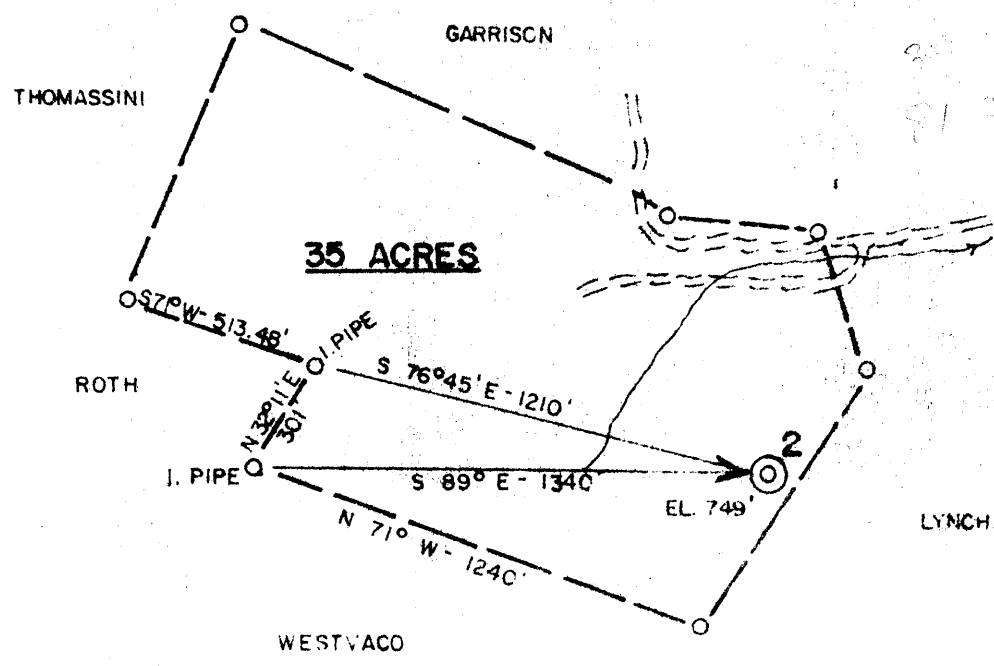
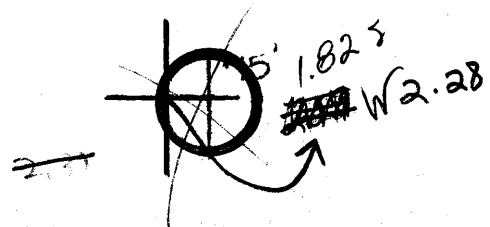


Latitude 39° 20' 00"

3560' SOUTH
250' WEST

Longitude (15) 81° 22' 30"



ACCURACY: 1" / 200'

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

Formation GORDON
Est. Depth 2700'

Oil
Gas
Other

Source of Elevation ROAD INTERSECTION (771')

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 CORP
 Address BUFFALO, NY
 Surface Owner MINNIE HUGGINS
 Mineral Owner " " "
 Well No. 2 Acres 35
 Elevation 749'
 Quadrangle MARIETTA Series 15 SC
 County WOOD District UNION
 Date 10/29/79 Scale 1" = 500'

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

WELL LOCATION MAP
 47 - 107 - 1051
 STATE COUNTY PERMIT
FORMERLY-107-928
 + Denotes location of well on United States Topographic Maps.
 Engineer **CHET WATERMAN**
 Engineer's Registration No. 3788 File No. 79-788

AUG 15 1980

6-0 Hendershot-Cadin (72)



RECEIVED

NOV 21 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Valley Mills
Permit No. 47-107-1051

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

Company Berea Oil & Gas Corporation
Address 652 Empire Bk. Bldg., Clarksburg, WV
Farm Huggins Acres 35
Location (waters) Bull Creek
Well No. #2 Elev. 749'
District Union County Wood
The surface of tract is owned in fee by _____
Minnie V. Huggins
Address 2903 Dudley Ave., Parkersburg, WV
Mineral rights are owned by SAME
Address _____
Drilling Commenced 9-15-80
Drilling Completed 9-21-80
Initial open flow _____ cu. ft. _____ bbls.
Final production 10 mcf cu. ft. per day .82 bbls.
Well open 4 hrs. before test 250 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	258'	258'	90 sks.
7			
5 1/2			
4 1/2	3863'	3863'	425 sks.
3			
XX 1 1/2"		3737'	
Lines Used			

Well treatment details:

Attach copy of cementing record.

10-2-80 Perforated Ohio Shale 3524-3540 (6 holes) 3584-3569 (3 holes) 3683-3697 (3 holes) 3732-3770 (2 holes) 3793-3823 (3 holes) 3857-3849 (2 holes)
Fracted w/90,000# 20/40 in 200 bbls. fluid

Coal was encountered at _____ Feet _____ Inches
Fresh water 40 Feet _____ Salt Water _____ Feet _____
Producing Sand Ohio Shale Depth 3524-3849

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	1598		
Injun			1598	1747		
Shale			1747	2107		
Berea			2107	2117		
Shale			2117	2464		
Gordon			2464	2495		
Shale ✓			2495	3910		
TOTAL DEPTH				3910		

(over)

* Indicates Electric Log logs in the remarks section



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 30 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE 6-27-80

Surface Owner Minnie V. Huggins
Address 2903 Dudley Ave., Parkersburg, W Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator N/A
Address _____

Company Berea Oil and Gas Corp.
Address 652 Empire Bank Bldg. Clarksburg, W. Va.
Farm Huggins Acres 35
Location (waters) Bull Creek
Well No. #2 Elevation 749'
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 4-6-81.

INSPECTOR
TO BE NOTIFIED Paul Goodnight
ADDRESS _____
PHONE 304-477-3660

Fred B. ...
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Sept. 22 1979 by Minnie V. Huggins made Energy Unlimited, Inc. and recorded on the 25th day of Sept. 1979, in Wood County, Book 728 Page 128

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 OIL 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 as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their 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 SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) *Mark V. Schumacher*
Well Operator
Berea Oil and Gas Corp., Mark V. Schumacher, P.E.
652 Empire Bank Bldg.
Street
Clarksburg, W. Va.
City or Town
W. Va. 26301
State

PLUMMET DOWN

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

(Formerly: WOOD-928)

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME N/A NAME Mark V. Schumacher
 ADDRESS _____ ADDRESS Clarksburg, West Virginia
 TELEPHONE _____ TELEPHONE 304-624-6429
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gorden?
 TYPE OF WELL: OIL XX GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250'	250'	Surface
7			
5 1/2			
4 1/2			
3	TD	TD	400'
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER 1500 FEET
 APPROXIMATE COAL DEPTHS N/A
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

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 this lease 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, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title