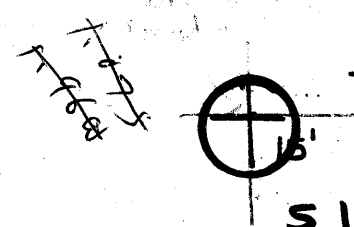


Plot Case 8-350 *W* 11/11/80

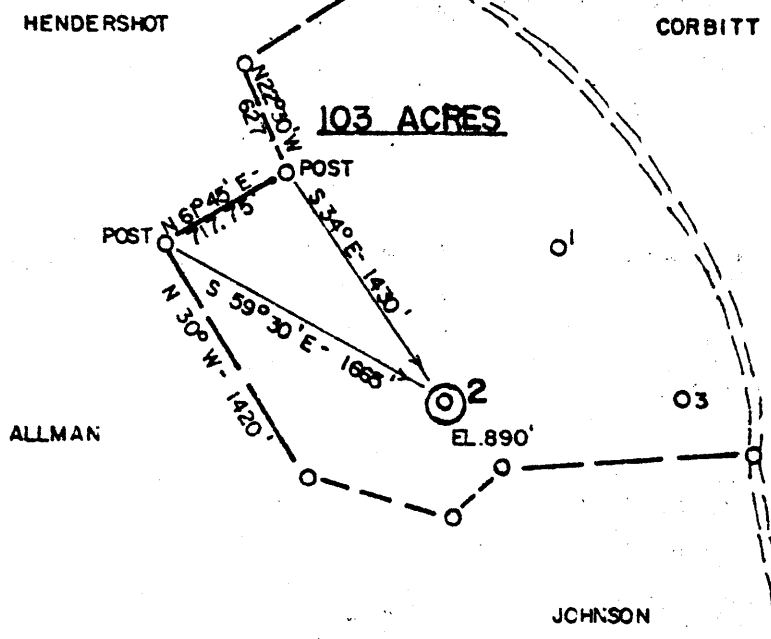
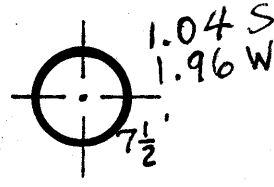
11/26/79 *R*

Latitude 39° 20' 00"

5590' SOUTH
10,500 WEST



S 1.04
W 1.96



39 19 05
81 22 15



ACCURACY: 1'/200'

New Location

Drill Deeper

Abandonment

Fracture

Redrill

Other

Formation CORDON

Est. Depth 2700

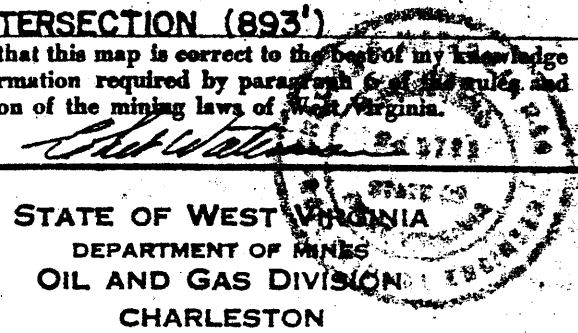
Oil

Gas

Other

Source of Elevation ROAD INTERSECTION (893')

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.



Company BEREA OIL & GAS CORP.

Address BUFFALO, NY

Surface Owner THEODORE CORBIN

Mineral Owner " "

Well No. 2 Acres 103

Elevation 890'

Quadrangle WILLOW ISLAND Series 75

County WOOD District UNION

Date 10/29/79 Scale 1" = 1000'

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

WELL LOCATION MAP
47 - 107 - 1049-REV
STATE COUNTY PERMIT
FORMERLY 107-923

+ Denotes location of well on United States Topographic Maps.
Engineer CHET WATERMAN
Engineer's Registration No. 3788 File No. 79-790

Deep Well

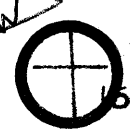
ORISKANY 5590' 3-3 Hendershot - Ogden (72)

JAN 13 1981

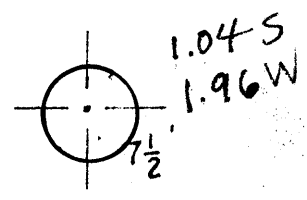
Latitude 39° 20' 00"

5590' SOUTH
10,500' WEST

~~1.005~~
2.02W



1.04S
1.96W



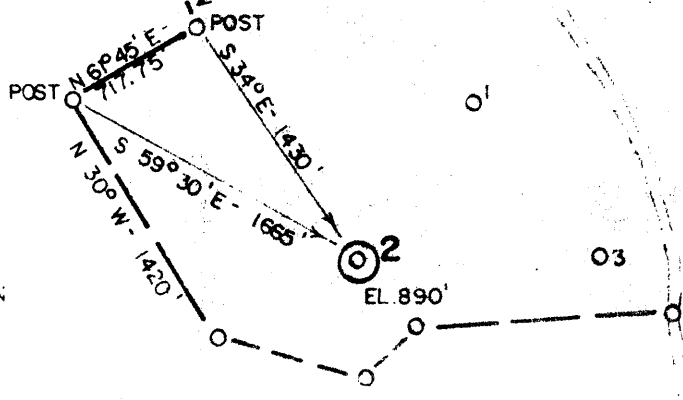
HENDERSHOT

CORBITT

103 ACRES

ALLMAN

JOHNSON



ACCURACY: 1" / 200'

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

Formation **GORDON**
Est. Depth **2700'**

Oil
Gas
Other

Source of Elevation **ROAD INTERSECTION (893')**

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 **THEODORE CORBIN**
 Mineral Owner " " "
 Well No. **2** Acres **103**
 Elevation **890'**
 Quadrangle **MARLETTA** Series **7.5** *5C*
 County **WOOD** District **UNION**
 Date **10/29/79** Scale 1" = 1000'

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

WELL LOCATION MAP
 47 - **107** - **1049**
 STATE COUNTY PERMIT
FORMERLY 107-923
 + Denotes location of well on United States Topographic Maps.
 Engineer **CHET WATERMAN**
 Engineer's Registration No. 3788 File No. **79-790**

AUG 15 1980



RECEIVED

JAN 26 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

S. W. Jack Drilling
Rig #18

WELL RECORD 101

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

Quadrangle Willow Island 7 1/2'

Permit No. 47-107-1049 Rev

Company Berea Oil and Gas Corporation
Address 652 Empire Bank Bldg., Clarksburg, WV
Farm Corbin Acres 103
Location (waters) Bull Creek
Well No. #2 Elev. 890'
District Union County Wood
The surface of tract is owned in fee by _____
Theodore Corbin
Address Rt. 2, Waverly, W. Va.
Mineral rights are owned by _____
Address _____
Drilling Commenced 12-1-80
Drilling Completed 12-7-80
Initial open flow 3.8 M cu. ft. _____ bbls.
Final production 29 cu. ft. per day 1.67 bbls.
Well open 4 hrs. before test 900RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13 1/2" 11 3/4"	35.5	-	
9 5/8			
8 5/8	1956.4	1956.4	500 sks.
7			
5 1/2			
4 1/2	4400.45	4400.45	500 sx.
3			
xx 1 1/2			
Liners Used			

Well treatment details: 1/7/81 4235' - 4260' 426 bbl. water 900 sx 20/40 sand 779,000 SCF N2
Attach copy of cementing record.

29 MCF + 119 B0

Coal was encountered at _____ Feet _____ Inches
Fresh water 40' Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill & Shale			0	15		
Shale			15	25		
Sand			25	80		
Shale & Red Rock			80	160		Mud rings from 70-105'
Red Rock			160	175		Wet @ 105'
Sand & Shale			175	255		
Red Rock and Sand			255	265		
Sand & Shale			265	285		Damp @ 285'
Red Rock & Shale			285	300		
Sand, Shale & Red Rock			300	475		Damp @ 320'
Red Rock			475	520		1/2" stream @ 340'
Sand & Shale			520	585		Damp @ 490'
Red Rock & Shale			585	870		
Sand			870	915		
Shale			915	945		
Red Rock & Shale			945	1020		
Sand & Shale			1020	1100		
Shale			1100	1165		
Sand & Shale			1165	1430		
Shale			1430	1435		
Sand & Shale			1435	1460		
Shale			1460	1470		
Sand & Shale			1470	1610		
Sand			1610	1670	1610 - 1615	Oil

(over)

* Indicates Electric Log tops in the remarks section

MAR 23 1981

Formation	Color	Hard or Soft	Top Feet / 01	Bottom Feet	Oil, Gas or Water	Remarks
Big Injun			1670	1870	1780'	More water
Shale			1870	2228		
Coffee Shale			2228	2242		
Berea			2242	2255		
Shale & Siltstone			2255	2534		
Shale			2534	2600		
Gordon			2600	2651		
Shale			2651	4234	Gas chk @ 3197'	8.4 Mcf
Brown Shale			4234	4262		
Shale			4262	4818	Gas chk. @ 4878'	8.4 Mcf
Marcellus Shale			4818	5103	Gas chk. @ 4971'	10.3 Mcf
Corniferous			5103	5276		
Oriskany			5276	5324		
Helderberg			5324	5360	Gas chk. @ 5371'	3.8 Mcf
Tonoloway			5360			
TOTAL DEPTH				5464		

5464
 2651

 2813 ft.
 Exploratory

Date 1/21/81 1981

APPROVED Berea Oil and Gas Corporation Owner

By W. W. Schumaker VP
(TAL)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 17 1980

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 14, 1980

Surface Owner Theodore Corbin

Company Berea Oil & Gas Corporation

Address Rt 2, Waverly, WV

Address 652 Empire Bk. Bldg, Clarksburg, WV

Mineral Owner Same

Farm Corbin Acres 103

Address _____

Location (waters) Bull Creek

Coal Owner Same

Well No. #2 Elevation 890'

Address _____

District Union County Wood

Coal Operator None

Quadrangle Willow Island

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 revising _____. This permit shall expire if operations have not commenced by 7-19-81.

INSPECTOR
TO BE NOTIFIED Paul Goodnight

ADDRESS _____

PHONE 304-477-3660

Paul Goodnight
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 February 14 1979 by Theodore Corbin made to Energy Unlimited, Inc. and recorded on the 23 day of February 1979, in Wood County, Book 717 Page 191

XX 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 ////////////////////// by ////////////////////// before /// 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

Address
of
Well Operator

Very truly yours,
(Sign Name) M. V. Schenker
BEREA OIL AND GAS CORPORATION
652 Empire Bank Building
Street
Clarksburg,
City or Town
West Virginia
State

*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.

BLANKET BOND

47-107-1049-REV. PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

Summary

**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 _____ NAME Mark V. Schumacher
 ADDRESS _____ ADDRESS 652 Emire Bk., Clarksburg, W
 TELEPHONE _____ TELEPHONE 304-624-6429
 ESTIMATED DEPTH OF COMPLETED WELL: 5500' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ 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	1750'	1750'	Surface
7			
5 1/2			
4 1/2	5495'	5495'	1000'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER 1500 FEET
 APPROXIMATE COAL DEPTHS None
 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

**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 Schumacher _____
 ADDRESS _____ ADDRESS Clarksburg, W. Va. _____
 TELEPHONE _____ TELEPHONE 624-6429 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2700' _____ ROTARY XX _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX _____ 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	TD	TD	400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET _____ SALT WATER 1500 FEET _____
 APPROXIMATE COAL DEPTHS None _____
 IS COAL BEING MINED IN THE AREA? _____ 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:

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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.
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For Coal Company

Official Title