

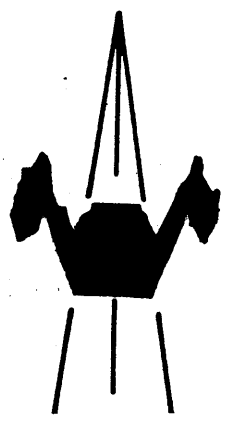
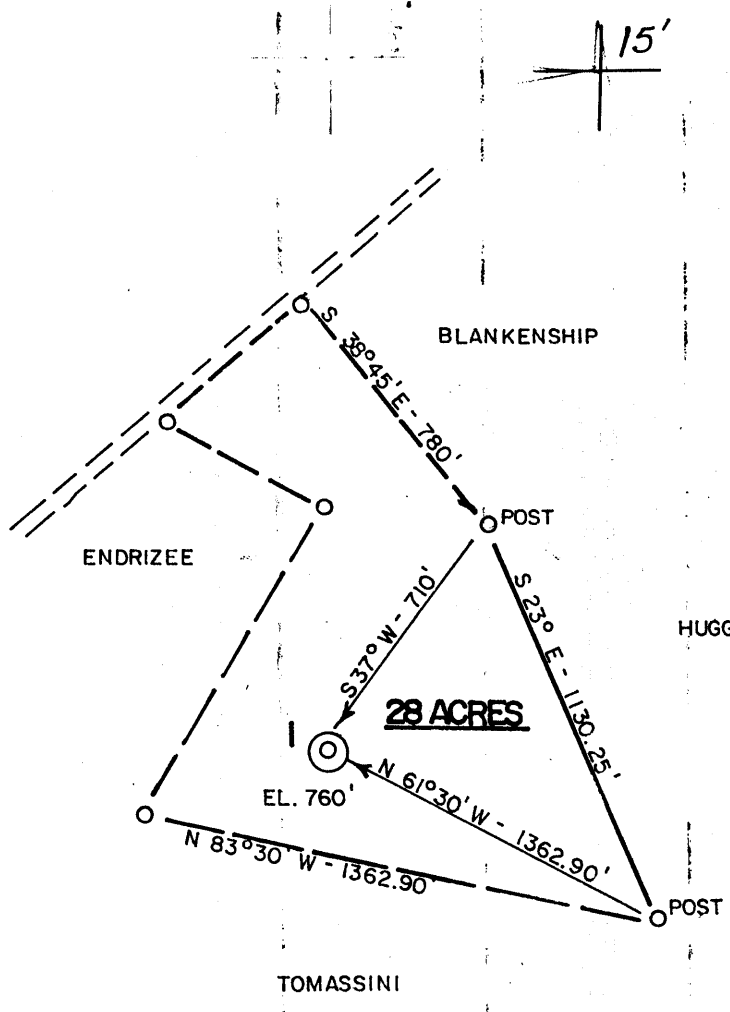
8-22

11/26/79

Latitude 39° 20' 00"

3080' SOUTH  
8550' WEST

30'  
20'  
22'  
81°  
81'  
Longitude (15')



ACCURACY: 1' / 200'

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

Formation GORDON Oil   
 Est. Depth 2700' 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 NRM Petroleum Corporation  
 Address P.O. Box 816 Buckhannon W.Va. 26201  
 Surface Owner THOMAS DORNON  
 Mineral Owner " "

Well No. 1 Acres 28  
 Elevation 760'  
 Quadrangle MARIETTA VALLEY MILLS Series 75  
 County WOOD District UNION  
 Date 10/29/79 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 CORRECTED TOPO MARK  
**WELL LOCATION MAP**  
47 - 107 - 1050 REV. A  
 STATE COUNTY PERMIT  
**FORMERLY 107-925**  
 + Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 79-789

WOOD 1050-P

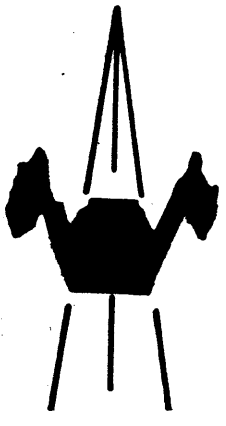
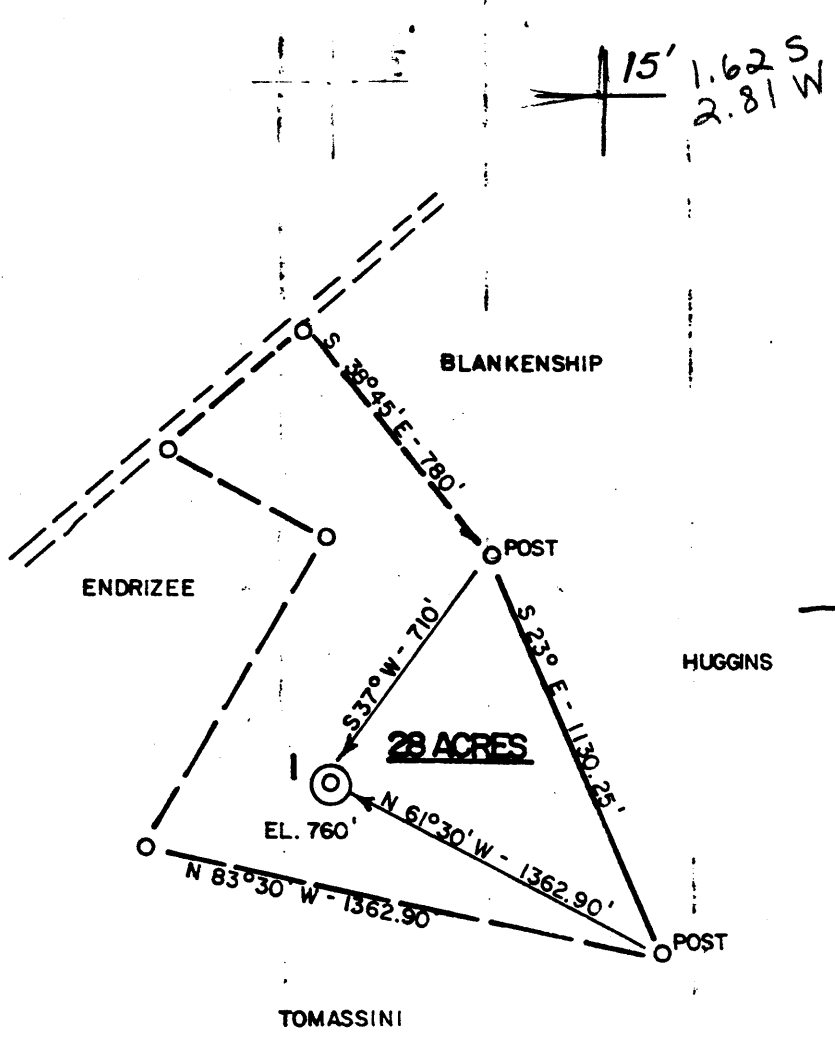
2700 GORDON MAR 16 1987

11/26/79

Latitude 39° 20' 00"

3080 SOUTH  
8550 WEST

Longitude 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')  
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 Quadrangle MARIETTA Series 75  
 County WOOD District UNION  
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STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 CORRECTED TOPO MARK  
**WELL LOCATION MAP**  
 47 - 107 - 1050 REV. - A  
 STATE COUNTY PERMIT  
**FORMERLY 107-925**  
 + Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 79-789

2700 GORDON MAR 14 1983

Latitude 39° 20' 00"

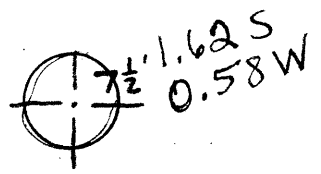
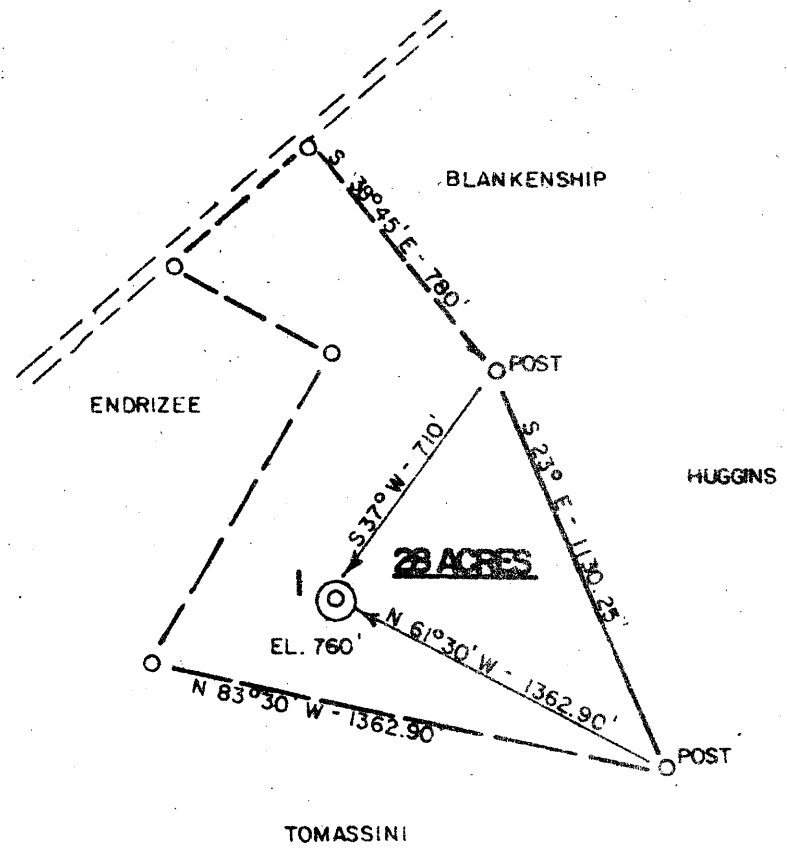
3080' SOUTH  
8550' WEST

1.625  
2.89 W



30'  
20'  
22'  
81'  
Longitude (52)

39 18 35  
81 23 15



ACCURACY: 1" / 200'

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

Formation GORDON

Est. Depth 2700'

Oil   
Gas   
Other

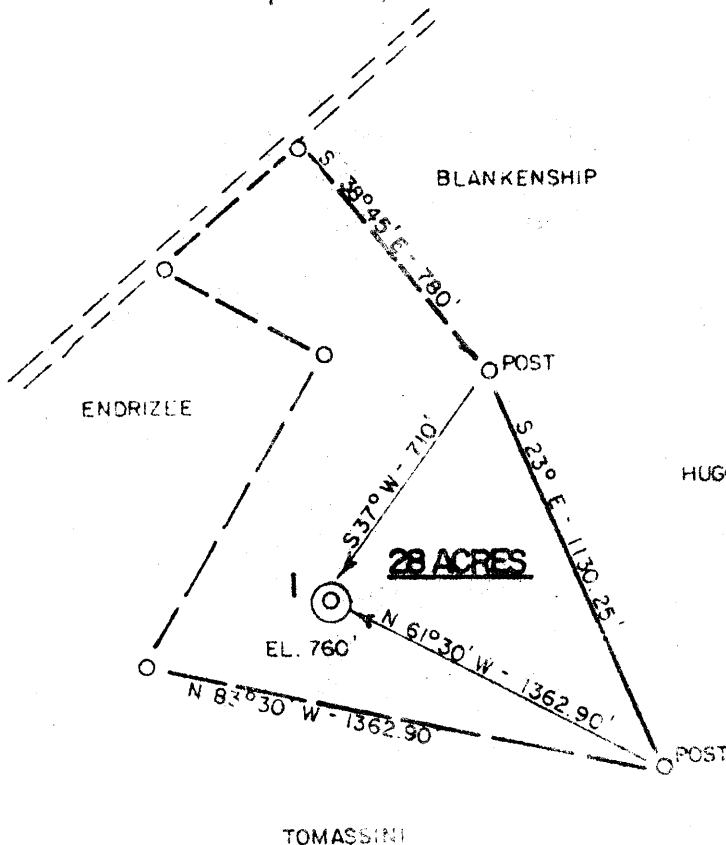
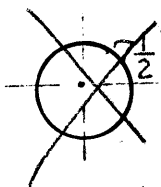
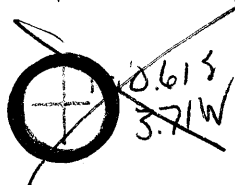
Source of Elevation ROAD INTERSECTION (771')

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*Chet Waterman*

Company BEREA OIL & GAS CORP.  
 Address BUFFALO, NY  
 Surface Owner THOMAS DORNON  
 Mineral Owner " " "  
 Well No. 1 Acres 28  
 Elevation 760'  
 Quadrangle VALLEY MILLS Series 7.5 *5C*  
 County WOOD District UNION  
 Date 10/29/79 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
 CORRECTED TOPO MARK  
**WELL LOCATION MAP**  
 47 - 107 - 1050 REV. 2  
 STATE COUNTY PERMIT  
**FORMERLY 107-925**  
 + Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 79-789



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 BERA OIL & GAS CORP.

Address BUFFALO, NY

Surface Owner THOMAS DORNON

Mineral Owner " "

Well No. 1 Acres 28

Elevation 760'

Quadrangle ~~MARIETTA~~ VALLEY MILLS Series ~~75~~ 36

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 - 1050

STATE COUNTY PERMIT

FORMERLY 107-925

+ Denotes location of well on United States Topographic Maps.

Engineer CHET WATERMAN

Engineer's Registration No. 3788 File No. 79-789

Aug 13 1980 AUG 1



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

Quadrangle Valley Mills  
Permit No. 47-107-1050

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

Company Berea Oil and Gas Corp.  
Address 652 Empire Bank Bldg., Clarksburg, W.Va.  
Farm Thomas Dornon Acres 28  
Location (waters) Bull Creek  
Well No. 1 Elev. 760'  
District Union County Wood  
The surface of tract is owned in fee by Thomas Dornon  
Address Rt 1, Waverly, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 10-23-80  
Drilling Completed 10-29-80  
Initial open flow 25 mcu. ft. \_\_\_\_\_ bbls.  
Final production 39 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 4 hrs. before test 120# 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	276	276	90 sx.
7			
5 1/2			
4 1/2	3872.85	3872.85	430 dc.
3			
X 1 1/2	---	2453'	
Liners Used			

Attach copy of cementing record.

Well treatment details:  
11/3/80 Ohio Shale 3354' to 3780' 15 shots 90,000# 20/40 and 220 bbls. water. Tested and non-productive  
11/21/80 Gordon Sand 2469'-2493' 24 shots 45,000# 20/40 and 15,000# 80/100 920 bbls. water

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 40 Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Gordon sand Depth 2469' - 2493'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			Surface	1632		
Injun			1632	1720		
Shale			1720	2094		
Berea			2094	2127		
Shale			2127	2457		
Gordon			2457			
<u>Shale, D.F.V.</u>						

**RECEIVED**  
DEC 19 1980



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 27, 1980

Surface Owner Thomas Dornon  
Address Rt. 1, Waverly, W. Va.

Company Berea Oil and Gas Corp.  
Address 652 Empire Bank Bldg., Clarksburg, W. Va.

Mineral Owner Same  
Address \_\_\_\_\_

Farm Dornon Acres 28  
Location (waters) Bull Creek

Coal Owner Same  
Address \_\_\_\_\_

Well No. #1 Elevation 760'  
District Union County Wood

Coal Operator N/A  
Address \_\_\_\_\_

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 Paul Goodnight  
TO BE NOTIFIED \_\_\_\_\_

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 May 23 1978 by Thomas Dornon made to Energy Unlimited, Inc. and recorded on the 31st day of May 1978, in Wood County, Book 704 Page 654  
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 //////////////////////////////////// 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

Address  
of  
Well Operator

Very truly yours,  
(Sign Name) *Mark V. Schumacher*  
BEREA OIL AND GAS CORP., Mark V. Schumacher, P.E.  
652 Empire Bank Bldg  
Street  
Clarksburg  
City or Town  
W. Va. 26301  
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.

(Formerly: WOOD-925)

47-107-1050

PERMIT NUMBER

**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 652 Empire Bank Bldg., Clarksburg, W.V. \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-624-6429 \_\_\_\_\_  
 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
LINEN			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150 FEET \_\_\_\_\_ SALT WATER 1500 Ft/ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 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:**

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