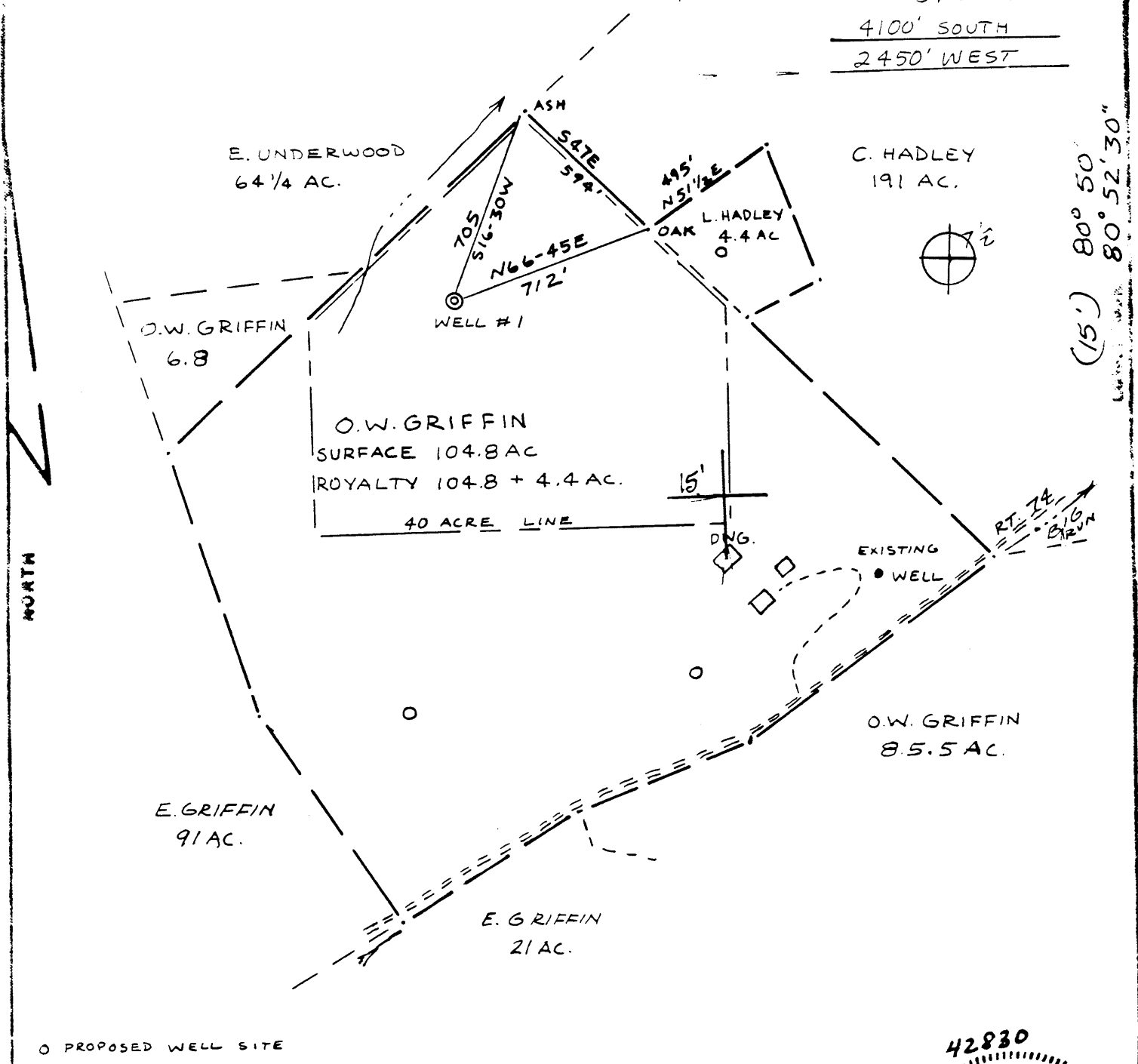


LATITUDE 39° 22' 30"

4100' SOUTH

2450' WEST

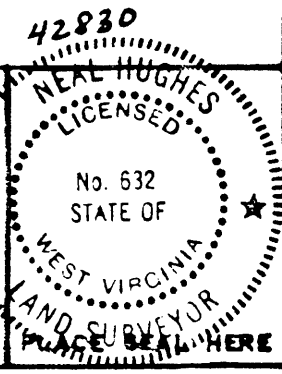
(15) 80° 50'  
80° 52' 30"



○ PROPOSED WELL SITE

FILE NO. L+M  
 DRAWING NO. 1  
 SCALE 1" = 500  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. 951

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Neal Hughes  
 R.P.E. \_\_\_\_\_ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6  
 (8-78)



DATE AUG 13, 1980  
 OPERATOR'S WELL NO. 1  
 API WELL NO. 47-095-0843  
 STATE COUNTY PERMIT

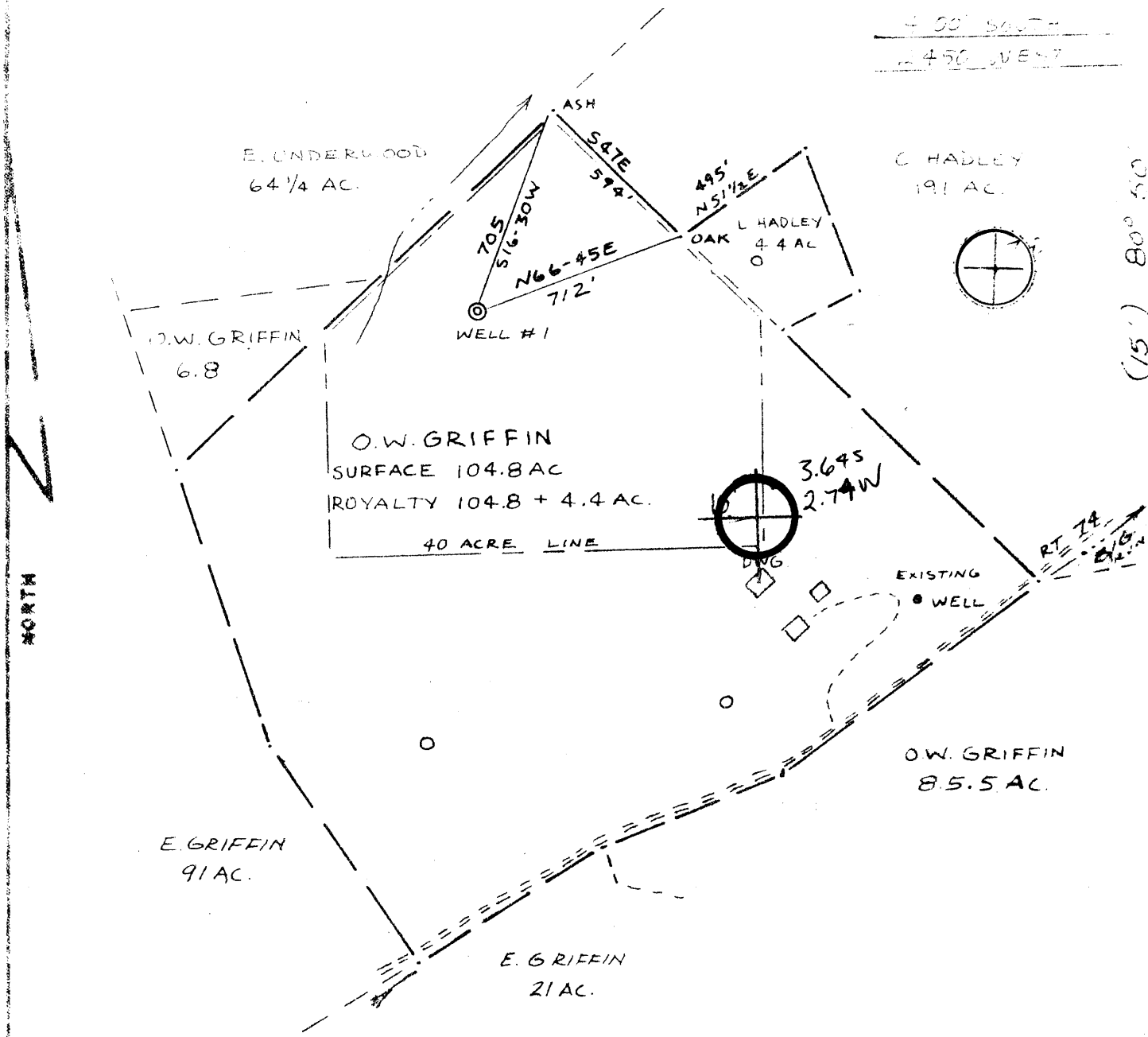
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

**CANCELLED**

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS", PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)  
 LOCATION: ELEVATION 998' WATER SHED BIG RUN - M.L.C. CREEK  
 DISTRICT CENTERVILLE COUNTY TYLER  
 QUADRANGLE PENNSBORO 7 1/2 WEST UNION 15'  
 SURFACE OWNER O.W. GRIFFIN ACREAGE 104.8 AC.  
 OIL & GAS ROYALTY OWNER O.W. GRIFFIN LEASE ACREAGE 109 1/4 AC.  
 LEASE NO. \_\_\_\_\_ OF 340 AC  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 4500' JUL 18 1983  
 WELL OPERATOR J.M. Woodman Co. DESIGNATED AGENT Richard Nelson  
 ADDRESS Rt #1 Mendenhall, Ohio 45750 ADDRESS Chillicothe, WV  
373-8971 428-7688

4 00' SOUTH  
2 450' WEST

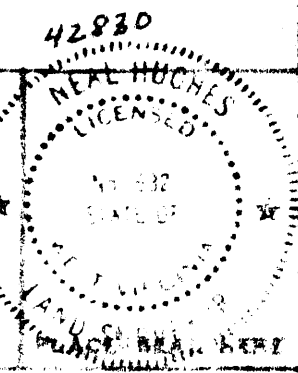


(15') 80° 50'  
80° 50'

O PROPOSED WELL SITE

FILE NO. L+M  
DRAWING NO. 1  
SCALE 1" = 500  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION B.M. 951

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ADOPTED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
SIGNED: Neal Hughes  
DATE: Aug 13 U.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
FORM IV-B  
18-78

DATE Aug 13 19 80  
OPERATOR'S WELL NO. 1  
WELL NO. 47 095 0843  
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 998 WATER SHED BIG RUN - M.I. CREEK  
DISTRICT CENTERVILLE COUNTY TYLER  
QUADRANGLE PENNSBORO 7 1/2' WEST UNION 15'  
SURFACE OWNER O.W. GRIFFIN ACREAGE 104.8 AC.  
OIL & GAS ROYALTY OWNER O.W. GRIFFIN LEASE ACREAGE 109 1/4 AC.  
LEASE NO. \_\_\_\_\_ OF 340 AC.  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REFRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION Stell ESTIMATED DEPTH 4500'  
WELL OPERATOR L.M. Petroleum Co. DESIGNATED AGENT Ronald Wilson  
ADDRESS P.O. 41 Marshall, Ohio 45750 ADDRESS Perkinsburg, WV  
373-8771 422-7268



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

**RECEIVED**  
SEP - 2 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 August 22, 1980

Surface Owner O.W. Griffin  
Address Box 3025, Parkersburg, WV  
Mineral Owner O.W. Griffin  
Address \_\_\_\_\_  
Coal Owner Same as above  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company L&M Petroleum Co.  
Address Rt. #1, Marietta, OH 45750  
Farm O.W. Griffin Acres 109.25  
Location (waters) Big Run, MI Creek  
Well No. 1 Elevation 998  
District Centerville County Tyler  
Quadrangle Pennsboro

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 5-5-81.

INSPECTOR Phil Tracy  
TO BE NOTIFIED \_\_\_\_\_  
ADDRESS Middlebourne, WV  
PHONE 758-4573

*[Signature]*  
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 Dec. 8 19 72 by O.W. Griffin made to R.W. Keener and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_ in Tyler County, Book 196 Page 232  
 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

Address of Well Operator

Very truly yours, L&M Petroleum Co.  
(Sign Name) *[Signature]* Asst. Sec.  
Well Operator

Rt. #1, Box 18-B  
Street  
Marietta  
City or Town  
Ohio 45750  
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.

47-095-0843

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 \_\_\_\_\_

**BLANKET BOND**

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

PROPOSED WORK ORDER TO   X   DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME Richard Hudson  
 ADDRESS \_\_\_\_\_ ADDRESS Parkersburg, WV 26101  
 TELEPHONE \_\_\_\_\_ TELEPHONE 304-422-7208  
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY   X   CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB.   X   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	<b>250</b>		<b>125 sx</b>
7			
5 1/2			
4 1/2	<b>TD</b>	<b>TD</b>	<b>400 sx</b>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS \_\_\_\_\_  
 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