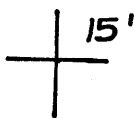
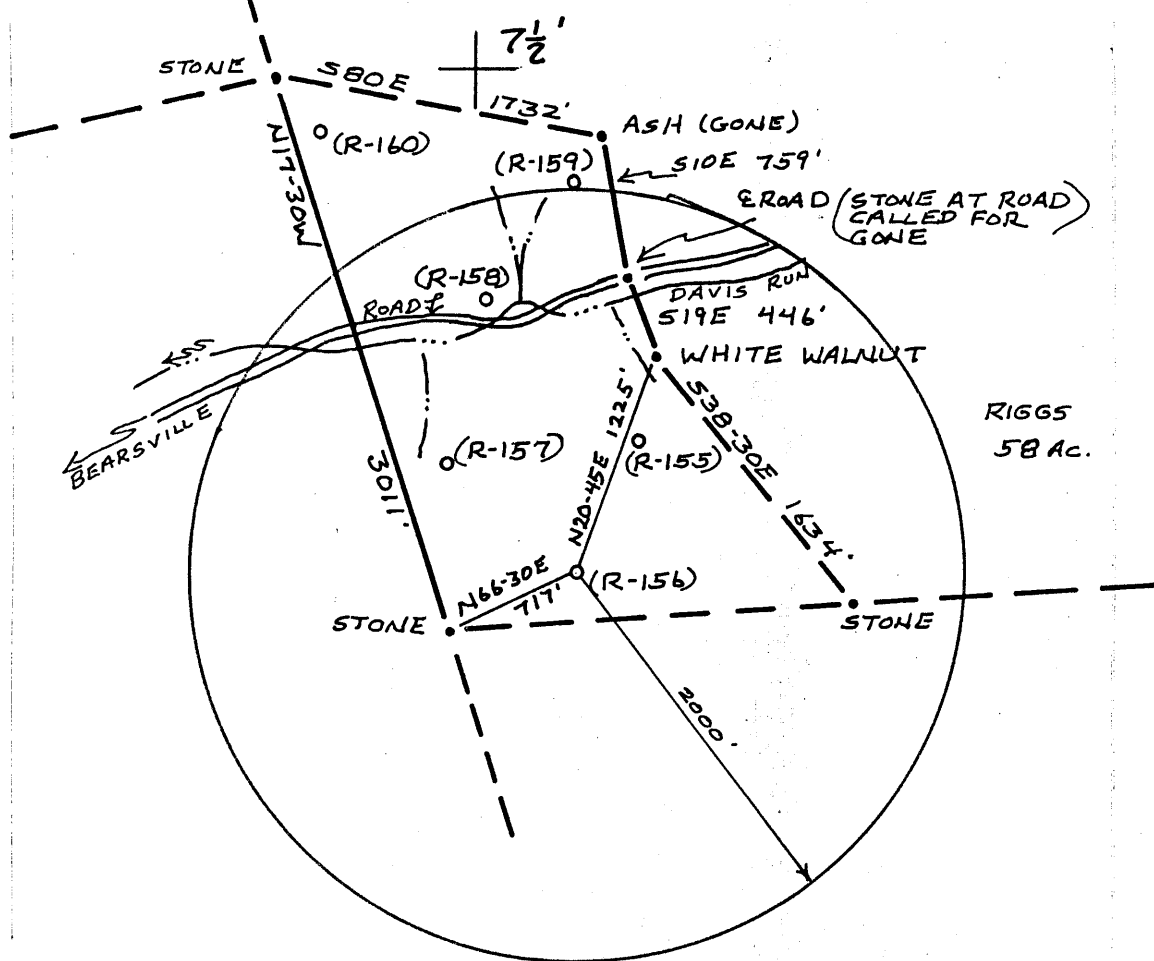


LATITUDE 39° 25'

3810 SOUTH  
8730 WEST



HAMILTON  
125 AC.



(15) 80° 50'  
80° 52 1/2'

FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SCALE 1"=1000'  
MINIMUM DEGREE OF ACCURACY 1:200  
PROVEN SOURCE OF ELEVATION HIGH POINT \_\_\_\_\_  
ELEV. 1190'

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) William R. Moscoe  
R.P.E. \_\_\_\_\_ L.L.S. 551

PLACE SEAL HERE

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



DATE 15 JUNE, 1979  
OPERATOR'S WELL NO. R-156  
API WELL NO. 47-095-0718  
STATE COUNTY PERMIT

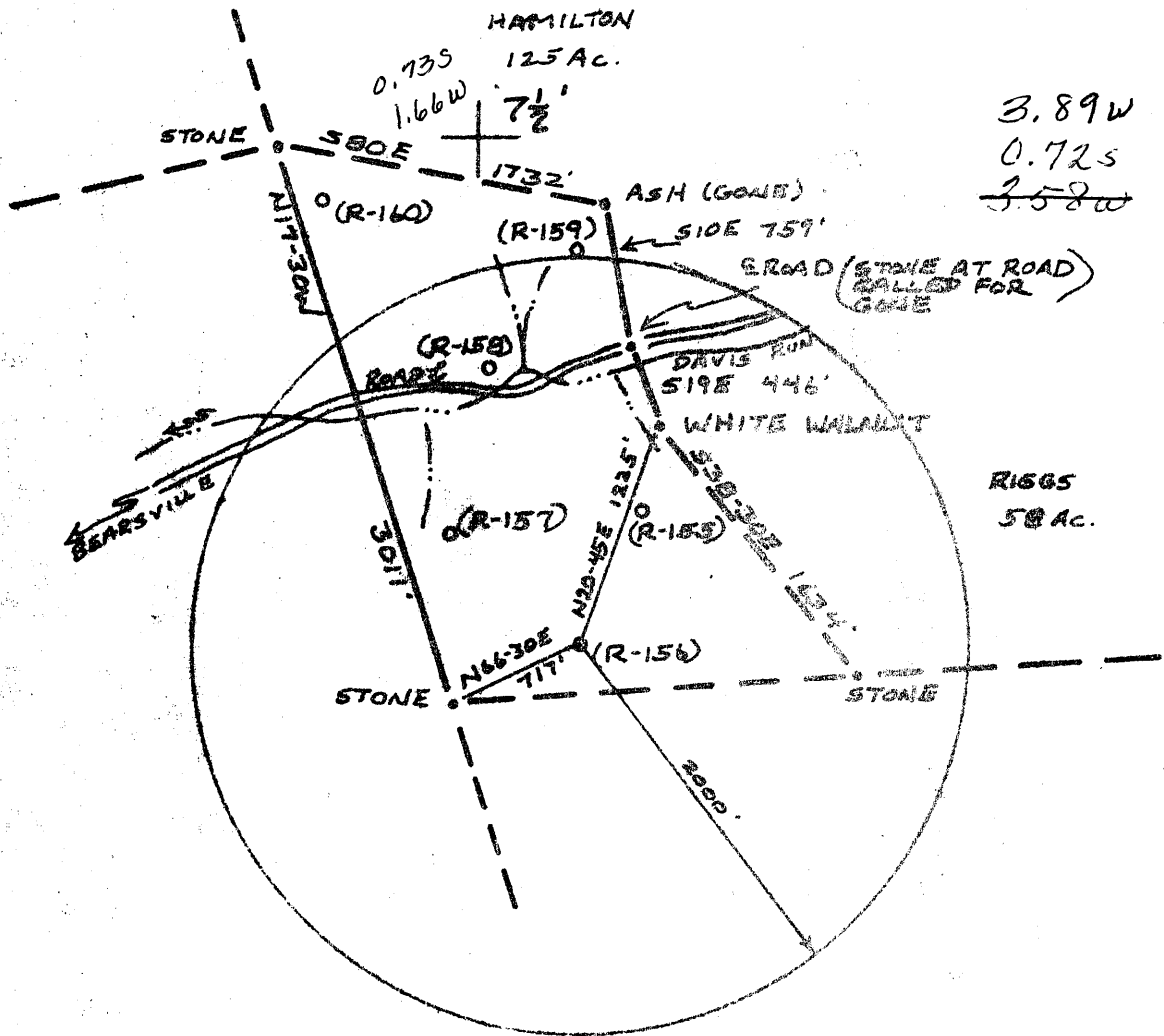
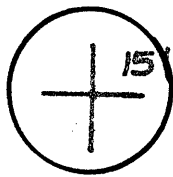
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Cancelled*

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
(IF "GAS", PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
LOCATION: ELEVATION 1003' WATER SHED DAVIS RUN OF SANCHO CREEK  
DISTRICT CENTERVILLE COUNTY TYLER  
QUADRANGLE MIDDLEBOURNE, W.VA. 7 1/2' QUAD., WEST UNION 7 1/2'  
SURFACE OWNER E.O. McCULLOUGH ACREAGE 97 1/2  
OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE \_\_\_\_\_  
LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUS OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
FEB 9 1987  
PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUS \_\_\_\_\_  
TARGET FORMATION UPPER DEVONIAN ESTIMATED DEPTH 3100'  
WELL OPERATOR C.W. RIGGS, INC. DESIGNATED AGENT C.W. RIGGS  
ADDRESS Box 358, ST. MARYS, W.VA. ADDRESS ST. MARYS, W.VA.

39° 25'

3810 SOUTH  
8730 WEST



(15) 30° 32'  
LONGITUDE 80° 52'

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH POINT  
 ELEV. 1190'

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) William R. Moscoe  
 R.P.E. \_\_\_\_\_ L.L.S. 55

PLACE SEAL HERE

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



DATE 15 JUNE, 19 79  
 OPERATOR'S WELL NO R-156  
 API WELL NO. 47-095-0718  
 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 1083' WATER SHED DAVIS RUN OF SANCHO CREEK  
 DISTRICT CENTERVILLE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE, W.VA. 7 1/2 QUAD, WEST UNION  
 SURFACE OWNER E.O. McEULLOUGH ACREAGE 97 1/2  
 OIL & GAS ROYALTY OWNER SAME LEASE NO. \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ REPERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGES IN WELL (SPECIFY) \_\_\_\_\_

PLUS AND ABANDON \_\_\_\_\_ CLEAN OUT AND REELING \_\_\_\_\_  
 TARGET FORMATION UPPER DEVONIAN ESTIMATED DEPTH 2100' AUG 10 1979  
 WELL OPERATOR C.W. RIGGS, INC. DESIGNATED AGENT C.W. RIGGS  
 ADDRESS BOX 358, ST. MARYS, W.VA. ADDRESS ST. MARYS, W.VA.

UPPER DEVONIAN 3100'



RECEIVED  
JUL 20 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner E.O. McCullough  
Address Bearsville, W.Va.  
Mineral Owner E.O. McCullough  
Address Bearsville, W.Va.  
Coal Owner E.O. McCullough  
Address Bearsville, W.Va.  
Coal Operator None  
Address \_\_\_\_\_

DATE 7-6-79  
Company C.W. Riggs, Inc.  
Address Box 358, St. Marys, W.Va.  
Farm E.O. McCullough Acres 97 1/2  
Location (waters) Davis Run  
Well No. R-156 Elevation 1003'  
District Centerville County Tyler  
Quadrangle Middlebourne

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 3-23-80.

INSPECTOR  
TO BE NOTIFIED Phillip Tracy  
ADDRESS Middlebourne, W.Va.  
PHONE 758-4573

Robert S. Bagley  
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 June 6 1979 by Paul & Mary McCullough made to Loren Bagley and recorded on the 22nd day of June 1979, in Tyler County, Book 219 Page 437

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) C.W. Riggs  
Well Operator  
Box 358  
St. Marys  
W. Va.  
State

Address of Well Operator

\*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

**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) Little Swiss Drilling RESPONSIBLE AGENT C.W. Riggs, Inc.

NAME Little Swiss Drilling NAME C.W. Riggs, Inc.

ADDRESS Buchanonn, W. Va. ADDRESS St. Marys, W. Va.

TELEPHONE 472-6396 TELEPHONE 684-3974

ESTIMATED DEPTH OF COMPLETED WELL 3100' ROTARY  CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION Upper Devonian

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 (LBS. UP OR SACKS) CUBIC FT
20 - 16			
13 - 10			
9 - 5 8			
8 - 5 8	250'	250'	Cement Top-Bottom
7			
5 1/2			
4 1/2		3100'	200 sks.
3			Perf. Top
2			Perf. Bottom
Lines			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 120 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, Mine at Mountain of the area 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

Original Title