

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 TARGET FORMATION UPPER DEVONIAN API WELL NO. 47-095-  
 ESTIMATED DEPTH 2940' STATE COUNTY PERMIT

Fracture...   
 Redrill...   
 New Location   
 Drill Deeper   
 Abandonment  *William R. Mossor* Minimum accuracy, one part in 200

Source of Elevation B.M. ELEV. 769'  
 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.

WELL OPERATOR C.W. RIGGS, INC.  
 ADDRESS Box 358, ST. MARYS, W.VA. 26170  
 DESIGNATED AGENT C.W. RIGGS  
 Address Box 358, ST. MARYS, W.VA. 26170  
 SURFACE OWNER JOHN WELCH  
 O. & G. ROYALTY OWNER JOHN WELCH  
 Tract 182 Ac. 130 P. Acres \_\_\_\_\_ Lease No. \_\_\_\_\_  
 Well (Farm) No. R-153 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 841'  
 WATER SHED SUGAR CREEK WEST UNION 15' FILE NO. 47-095-0710  
 Quadrangle MIDDLEBOURNE, W.VA. 7 1/2' QUAD.  
 County TYLER District MEAD  
 Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.  
 Surveyor's or Engineer's Registration No. 551  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 13 JUNE 1979 Scale 1"=1000'

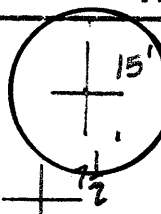
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
**47-095-0710**  
*Cancelled*

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 FEB 3 1987  
 -- Denotes one inch spaces on border line of original tracing.

Latitude 39° 25'

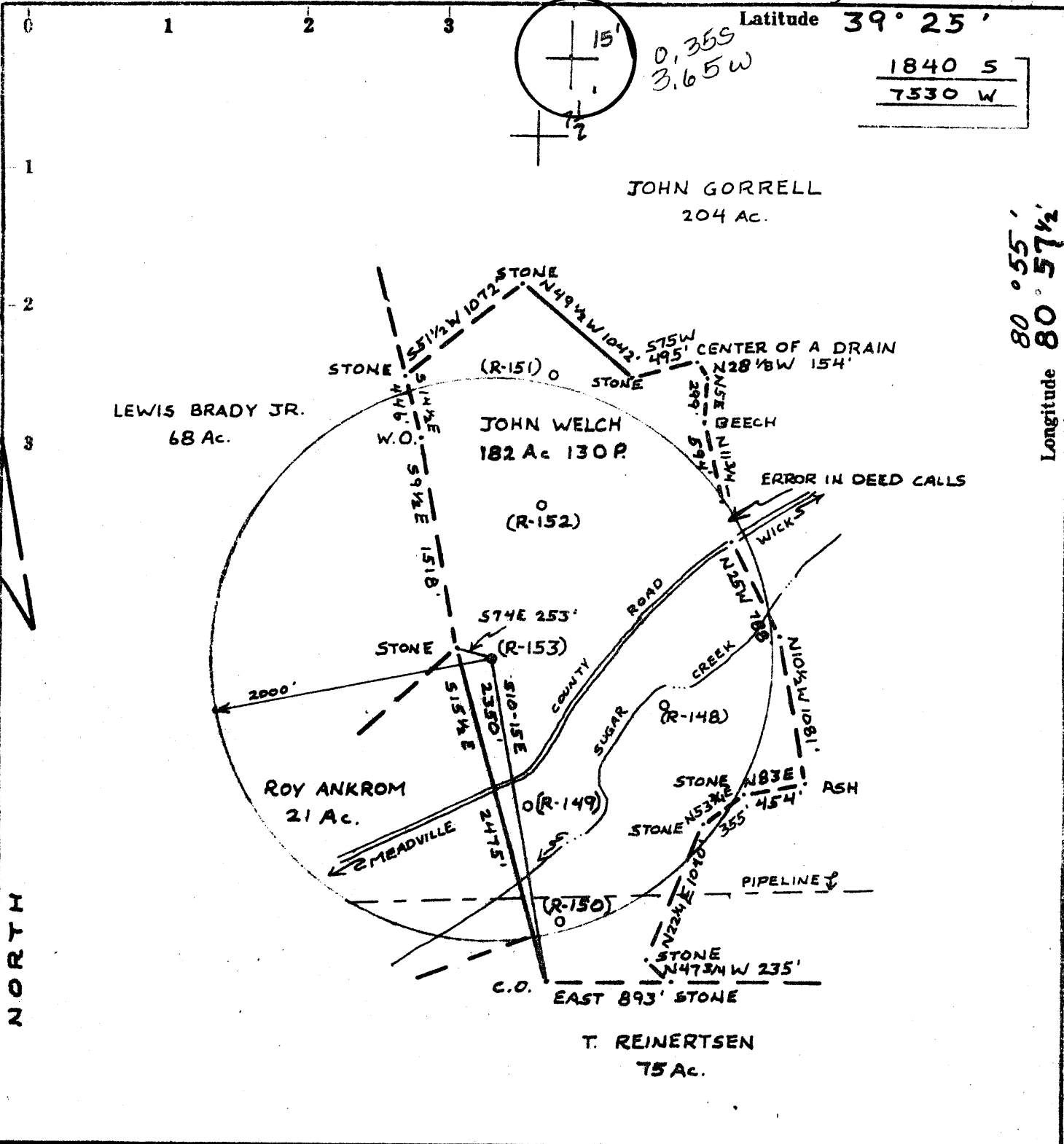
1840 S  
7530 W



0,365  
3.65 W

JOHN GORRELL  
204 Ac.

80° 55'  
Longitude 80° 57 1/2'



WELL TYPE: OIL X GAS X LIQUID INJECTION WASTE DISPOSAL  
PRODUCTION X STORAGE DEEP SHALLOW X

API WELL NO.

TARGET FORMATION UPPER DEVONIAN

47-095-

ESTIMATED DEPTH 2940'

STATE COUNTY PERMIT

Fracture...

Source of Elevation B.M. ELEV. 769'

Redrill...

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.

New Location

Drill Deeper

Abandonment

*William R. Mossor*

Minimum accuracy, one part in 200

WELL OPERATOR C.W. RIGGS, INC.

ADDRESS Box 358, ST. MARYS, W.VA. 26170

DESIGNATED AGENT C.W. RIGGS

Address Box 358, ST. MARYS, W.VA. 26170

SURFACE OWNER JOHN WELCH

O. & G. ROYALTY OWNER JOHN WELCH

Tract 182 Ac. 130P Lease No.

Well (Farm) No. R-153 Serial No.

Elevation (Spirit Level) 841'

WATER SHED SUGAR CREEK WEST UNION 15'

Quadrangle MIDDLEBOURNE, W.VA. 7 1/2' QUAD.

County TYLER District MEAD

Surveyor or Engineer WILLIAM R. MOSSOR, L.L.S.

Surveyor's or Engineer's Registration No. 551

File No. Drawing No.

Date 13 JUNE 1979 Scale 1"=1000'

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

WELL LOCATION MAP

FILE NO. 47-095-0710

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

JUL 24 1979

*2940' Upper Devonian*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUL 10 1979

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 6-19-79  
Company C.W. Riggs, Inc.  
Address Box 358, St. Marys, W. Va.  
Farm John Welch Acres 182Ac. 130P.  
Location (waters) Sugar Creek  
Well No. R-153 Elevation 841  
District Meade County Tyler  
Quadrangle Middlebourne, W. Va.

Surface Owner John Welch  
Address Wick, W. Va.  
Mineral Owner John Welch  
Address Wick, W. Va.  
Coal Owner John Welch  
Address Wick, W. Va.  
Coal Operator None

**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 3-10-80.

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

*John T. 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 May 24 1979 by John Welch made to Loren Bagley and recorded on the 22nd day of June 1979 in Tyler County, Book 219 Page 435

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 DEPARTMENT OF MINES  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours,

(Sign Name) C. W. Riggs  
Well Operator  
Box 358  
Street  
St. Marys  
City or Town  
W. Va.  
State

BLANKET BOND

47-095-0710 PERMIT NUMBER

**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 Little Swiss Drilling NAME C.W. Riggs, Inc.  
 ADDRESS Buchannon, W. Va. ADDRESS St. Marys, W. Va.  
 TELEPHONE 472-6396 TELEPHONE 684-3974  
 ESTIMATED DEPTH OF COMPLETED WELL 2940' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION Upper Devonian  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB X STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM**

| CASING AND TUBING SIZE | USED FOR DRILLING | FEET IN WELL | CEMENT FILL UP OR SACKS (CUBIC FT) |
|------------------------|-------------------|--------------|------------------------------------|
| 20 - 16                |                   |              |                                    |
| 13 - 10                |                   |              |                                    |
| 9 - 5/8                |                   |              |                                    |
| 8 - 5/8 <u>250'</u>    |                   | <u>250'</u>  | <u>Cement Top-Bottom</u>           |
| 7                      |                   |              |                                    |
| 5 1/2                  |                   |              |                                    |
| 4 1/2                  |                   | <u>2940'</u> | <u>200 sks.</u>                    |
| 3                      |                   |              | <u>Perf. Top</u>                   |
| 2                      |                   |              | <u>Perf. Bottom</u>                |
| Liners                 |                   |              | <u>Perf. Top</u>                   |
|                        |                   |              | <u>Perf. Bottom</u>                |

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, 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