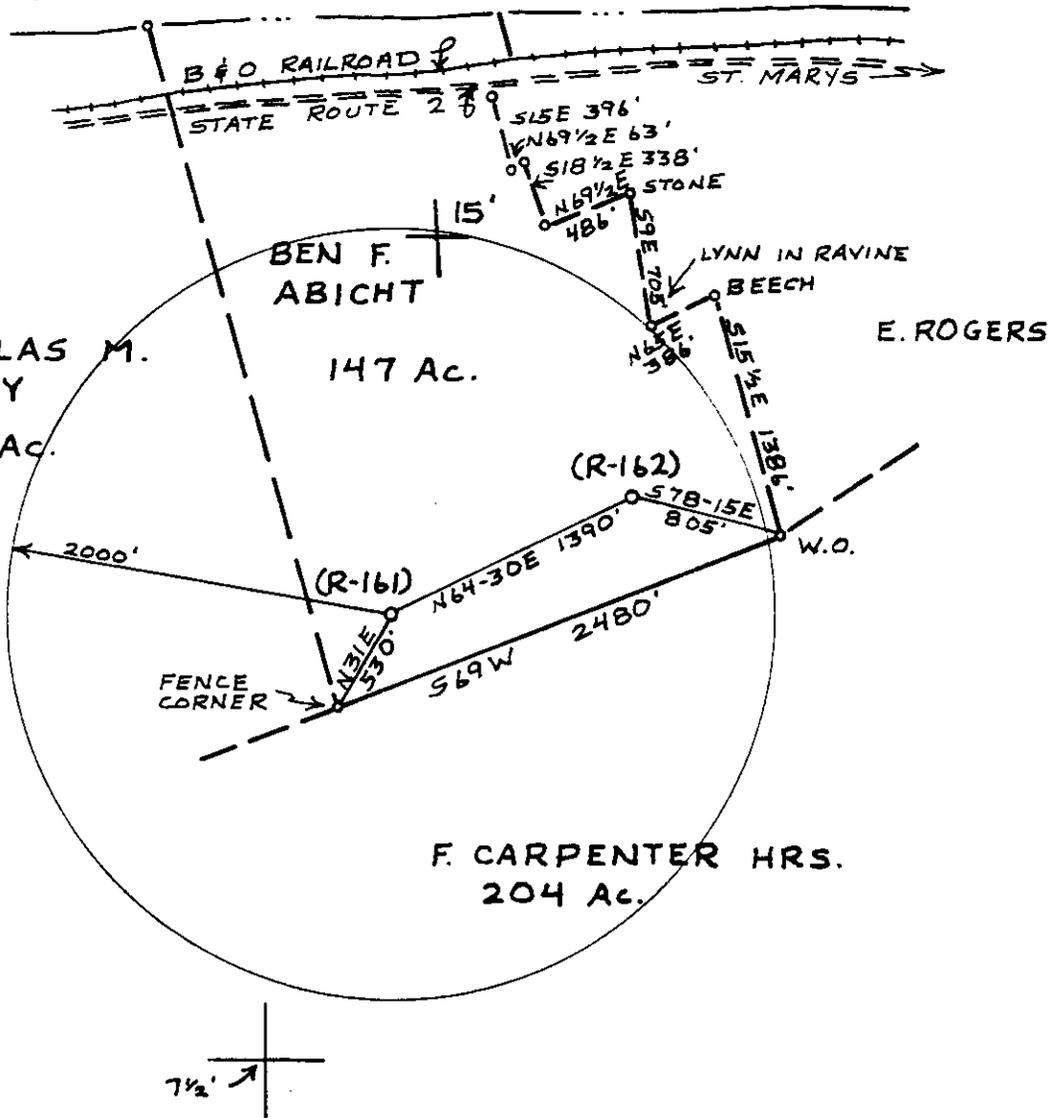


OHIO RIVER ←



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT 1115'

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. Massie
 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 2 NOVEMBER, 1979
 OPERATOR'S WELL NO. R-161
 API WELL NO. 47-073-0830
 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 _____ SHALL OW
 LOCATION: ELEVATION 985' WATER SHED OHIO RIVER
 DISTRICT WASHINGTON COUNTY PLEASANTS
 QUADRANGLE RAVEN ROCK 7 1/2' QUAD, ST. MARYS 15'
 SURFACE OWNER BEN F. ABICHT ACREAGE 147
 OIL & GAS ROYALTY OWNER BEN F. ABICHT LEASE ACREAGE 147
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 SURVEY INFORMATION GORDON ESTIMATED DEPTH 3085'
 OPERATOR C.W. RIGGS DESIGNATED AGENT C.W. RIGGS SEP 24 1984
 ADDRESS Box 358 ADDRESS Box 358
ST. Marys WVA ST. Marys, WVA.
26170 26170



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

JAN 18 1930
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE 1-15-30

Surface Owner B. F. Abicht

Company C. W. Riggs, Inc.

Address Eureka, W. Va.

Address Box 358, St. Marys, W. Va..

Mineral Owner B. F. Abicht

Farm Abicht Acres 147

Address Eureka, W. Va.

Location (waters) Ohio River

Coal Owner B. F. Abicht

Well No. R-161 Elevation 985'

Address Eureka, W. Va.

District Washington County Pleasants

Coal Operator None

Quadrangle Raven Rock, W. Va.

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 10-25-30.

Robert R. Cox

Deputy Director - Oil & Gas Division

INSPECTOR

TO BE NOTIFIED Phil Tracy

ADDRESS Middlebourne, W. Va.

PHONE 758-4573

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 Oct. 23 1929 by B. F. Abicht made to John R. Cox and recorded on the 1st day of Nov. 1929 in Pleasants County, Book 154 Page 86

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

Address
of
Well Operator

Box 358

Street

St. Marys

City or Town

W. Va.

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 BOOKS

**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 Haught Drilling NAME C. W. Riggs, Inc.
 ADDRESS Smithville, W. Va. ADDRESS St. Marys, W. Va.
 TELEPHONE 477-3333 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL: 3500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: 5th Sand
 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 LIFT UP OR SACKS CUBIC FT
20 - 16			
13 - 10			
9 - 5/8 <u>250'</u>		<u>250'</u>	<u>cement top-bottom</u>
8 - 5/8			
7			
5 1/2			
4 1/2 <u>3500'</u>		<u>3500'</u>	<u>200 sks.</u>
3			Part Top _____
2			Part Bottom _____
Lines			Part Top _____
			Part Bottom _____

APPROXIMATE FRESH WATER DEPTHS 105' 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

 OFFICE USE