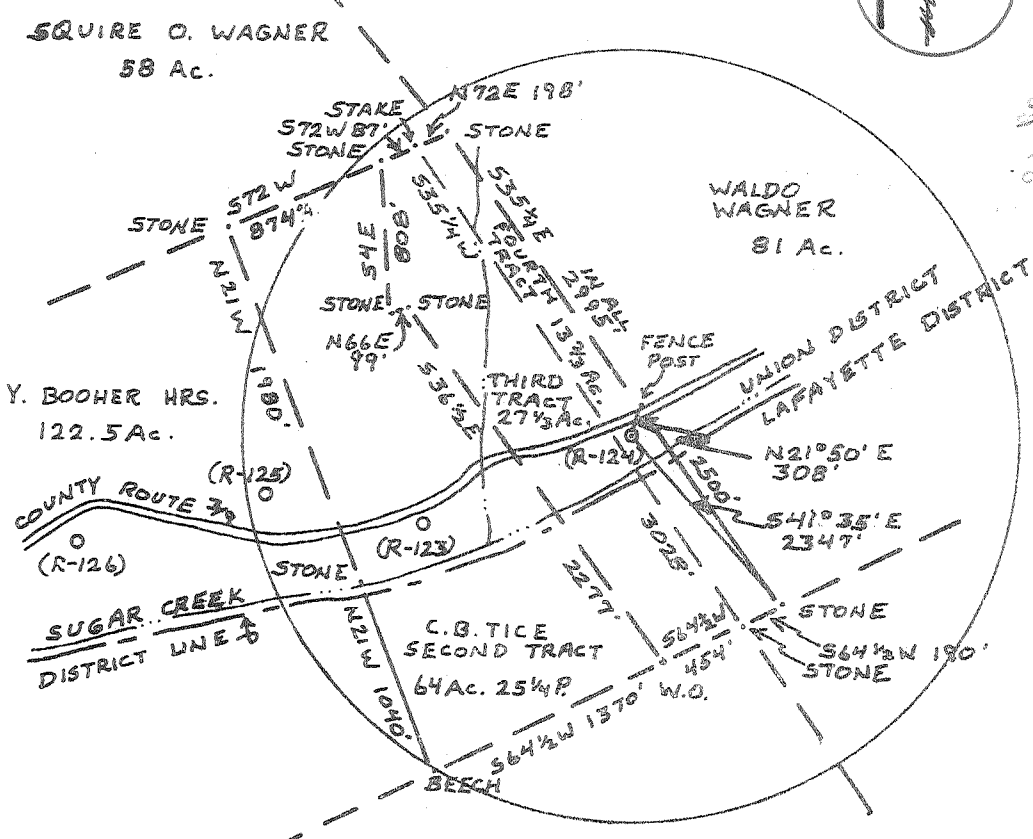


LATITUDE 39° 25'

7130' SOUTH
630' WEST



BERNARD O. TICE
63 Ac.

1.35
~~2.36~~
2.36W

(15) 81° 00'
LONGITUDE 81° 02 1/2'

7 1/2'
39 23 50
81 02 20
223
230
236

SCALE 1" = 1000'
SOURCE OF DATA
HIGH POINT ELEV. 1075'

THE UNDERSIGNED, HEREBY CERTIFY
THAT THIS PLAN 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. Mosser*

LLS # 551

PLACE SEAL HERE

LOCATION OF
UNITED STATES
GEOLOGICAL SURVEY



DATE 16 MARCH 1979
OPERATOR BILL NO R-124
API WELL # 47-073-0733
STATE COUNTY DISTRICT

WELL TYPE: OIL X LIQUID WASTE DIVISION
LOCATION: ELEVATION 684' DISTRICT UNION COUNTY PLEASANTS
SURFACE OWNER C.B. TICE

PROPOSED WORK OIL X CONVEYER STRUCTURE OR
STIMULATION PERFORATION PERFORATE NEW
FORMATION OTHER CHANGES IN WELL SPECIFICATIONS

TARGET FORWATER GORDON ESTIMATED DEPTH 3000' APR 16 1979
WELL OPERATOR C.W. RIGGS, INC. OPERATED BY C.W. RIGGS
ADDRESS: Box 358, St. Marys, West Virginia 26170
Box 358, St. Marys, West Virginia 26170

06 33 Shilton-Wick (86)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

FEB 22 1980

Oil and Gas Division

WELL RECORD 45

OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle BENS RUN
Permit No. 47-073-0733

Company C.W. Riggs, INC.
Address Box 358 St. Marys W.Va.
Farm C.B. Tice Acres 41
Location (waters) SUGAR CREEK
Well No. A-124 Elev 684
District Union County PLEASANTS
The surface of tract is owned in fee by C.B. Tice
Address Rt. 39 St. Marys W.Va.
Mineral rights are owned by C.B. Tice
Address SAME
Drilling Commenced 3/28/77
Drilling Completed 4/2/79
Initial open flow _____ cu. ft. _____ bbls.
Final production 105,000 cu. ft. per day 15 bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 (10)	250'	250'	
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		(2717')	325 SKS.
3			
2			
Liners Used			

Well treatment details: Perforations from 2677' - 2687'
Attach copy of cementing record.
NO FRACTURE TREATMENT - NATURAL

Coal was encountered at N/A Feet _____ Inches _____
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand FINE SAND Depth 2653 - 291

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cow Run			601'	1006'	*	TOP LOG
1st SALT SAND			1060'	1115'		
2nd SALT SAND			1166'	1210'		
3rd SALT SAND			1261'	1287'		
MAXON			1416'	1443'		
Big Lime			1476'	1553'		
Keener			1590'	1620'		
Injun			1639'	1703'		
Squaw			1727'	1743'		
Welch STRAY			1972'	1990'		
BERCA			2033'	2041'		

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
50	Foot		2206'	2258'		
30	Foot		2298'	2333'		
GORDON	STRAY		2455'	2476'		
GORDON			2501	2522'		Oil + GAS
4th	SAND		2555'	2578'		
5th	SAND		2653'	2696'		GAS

ID 2717 - btm
4 1/2" 0288

~~2696~~
~~2522~~

~~174 ft.~~
exploratory footage

Date Feb 1 19 80

APPROVED C.W. Riggs, INC. Owner

By John Schneider



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAR 28 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 3-27-79

Surface Owner C. B. Tice

Company C. W. Riggs, Inc.

Address Rt. 39, St. Marys, W. Va.

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

Mineral Owner C. B. Tice

Farm Tice Acres 41

Address Rt. 39, St. Marys, W. Va.

Location (waters) Sugar Creek

Coal Owner C. B. Tice

Well No. R-124 Elevation 684'

Address Rt. 39, St. Marys, W. Va.

District Union County Pleasants

Coal Operator none

Quadrangle Bens Run, W. Va.

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 11-28-79.

Deputy Director - Oil & Gas Division

INSPECTOR

TO BE NOTIFIED Philip 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 March 15 1979 by C. B.

Tice made to Frank Pethel and recorded on the 15th day of March 1979, in Pleasants County, Book 151 Page 381

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,

(Sign Name)

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 BOND

47-073-0733

PERMIT NUMBER

**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) RESPONSIBLE AGENT:
 NAME Little Swiss Drilling NAME C. W. Riggs, Inc.
 ADDRESS Buchannon, W. Va. ADDRESS Box 358, St. Marys, W. Va.
 TELEPHONE 472-6396 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL: 3000' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL 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			
3		3000'	200 sks.
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85 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