

Latitude 39° 25'

8360 South
12900 West

SQUIRE O. WAGNER

OWALDO WAGNER

UNION DISTRICT

DISTRICT LINE
FOLLOWS CREEK

LAFAYETTE DISTRICT

Y. BOOHER MRS.

39 23 35
81 0 2 50

HAROLD O. TICE

BERNARD TICE
LEASE

W.VA. PULP & PAPER
SURFACE

(R-134)



1" = 1000'

1:200

STATION RAD. ELEV. 1022'

DATE 21 APRIL

NO. R-140

47-073

0755

LOCATION OF WELL NO. 857
 COUNTY LAFAYETTE
 SUGAR CREEK
 BENS RUN W.VA. 7 1/2' QUAD., ST MARYS 15' EC
 C.B. TICE
 LEASE AREA 65 AC. 25 1/4 P.
 ROYALTY OF MR. C.B. TICE

C.W. RIGGS, INC.
 BOX 358, ST. MARYS
 W.VA. 26170
 MAY 22 1979
 2957'
 C.W. RIGGS
 BOX 358, ST. MARYS
 W.VA. 26170
 6-6 Shiloh (82) Shiloh-Wick (86)



RECEIVED

FEB 22 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle BENS RUN
Permit No. 47-073-0755

Company C.W. Riggs, Inc.
Address Box 355 St. Marys, W. Va.
Farm C.B. Tice Acres 65
Location (waters) Sugar Creek
Well No. R-140 Elev. 857'
District Lafayette County Pleasants
The surface of tract is owned in fee by C.B. Tice

Address St. Marys, W. Va.
Mineral rights are owned by C.B. Tice
Address SAME

Drilling Commenced 7-10-79
Drilling Completed 7-14-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 33,000 cu. ft. per day 1 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"			
9 5/8	250	250	
8 5/8	860'	860'	
7			
5 1/2			
4 1/2		2978'	445 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

PERFORATIONS 2723' - 2802' 26 shots

Fracture Treatment

1500 BBL. H₂O, 100,000 # SAND, 115,000 SCF N₂

33 MCF + 180

Coal was encountered at N/A Feet _____ Inches _____
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand Gordon - 4th SAND Depth 2718 - 2764 = 2798 - 2839
Gordon 4th

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
1st	SALT SAND		1345'	1385'		* TOP LOG
2nd	SALT SAND		1403'	1450'		
3rd	SALT SAND		1542'	1593'		
	MAXON		1648'	1695'		
	Big Lime		1710'	1766'		
	Keener		1789'	1801'		
	Injun		1820'	1960'		
	SQUAW		1968'	1986'		
	Welch STRAY		2140'	2156'		
	BECCA		2213'	2220'		
	50 FOOT		2445'	2496'		
	30 FOOT		2538'	2569'		

(over)

* Indicates Electric Log tops in the remarks section.

MAR 10 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
GORDON STRAY			2630'	2676'		
GORDON			2718'	2764'	GAS + OIL	
4H SAND			2798'	2839'	GAS	
				blm 4 1/2" 009 2978		

Date Feb. 6 19 80

APPROVED C.W. Riggs, Inc Owner

By John Schneider



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
APR 27 1979
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 4-26-79

Surface Owner C. B. Tice
Address St. Marys, W. Va.
Mineral Owner C. B. Tice
Address St. Marys, W. Va.
Coal Owner C. B. Tice
Address St. Marys, W. Va.
Coal Operator None
Address _____

Company C. W. Riggs, Inc.
Address Box 358, St. Marys, W. Va.
Farm Tice Acres 65
Location (waters) Sugar Creek
Well No. R-140 Elevation 857'
District Lafayette County Pleas.
Quadrangle Bens Run, W. Va.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, this location is hereby approved

for drilling. This permit shall expire if
operations have not commenced by 12-30-79.

INSPECTOR
TO BE NOTIFIED Philip Tracy

ADDRESS Middlebourne, W. Va.

PHONE 758-4573

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 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 382

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.

Very truly yours, C. W. Riggs
(Sign Name) _____
Well Operator

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 _____
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

**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: 3000' 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	LEFT 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		3000'	200 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' 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