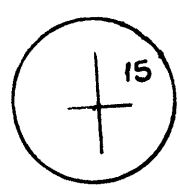
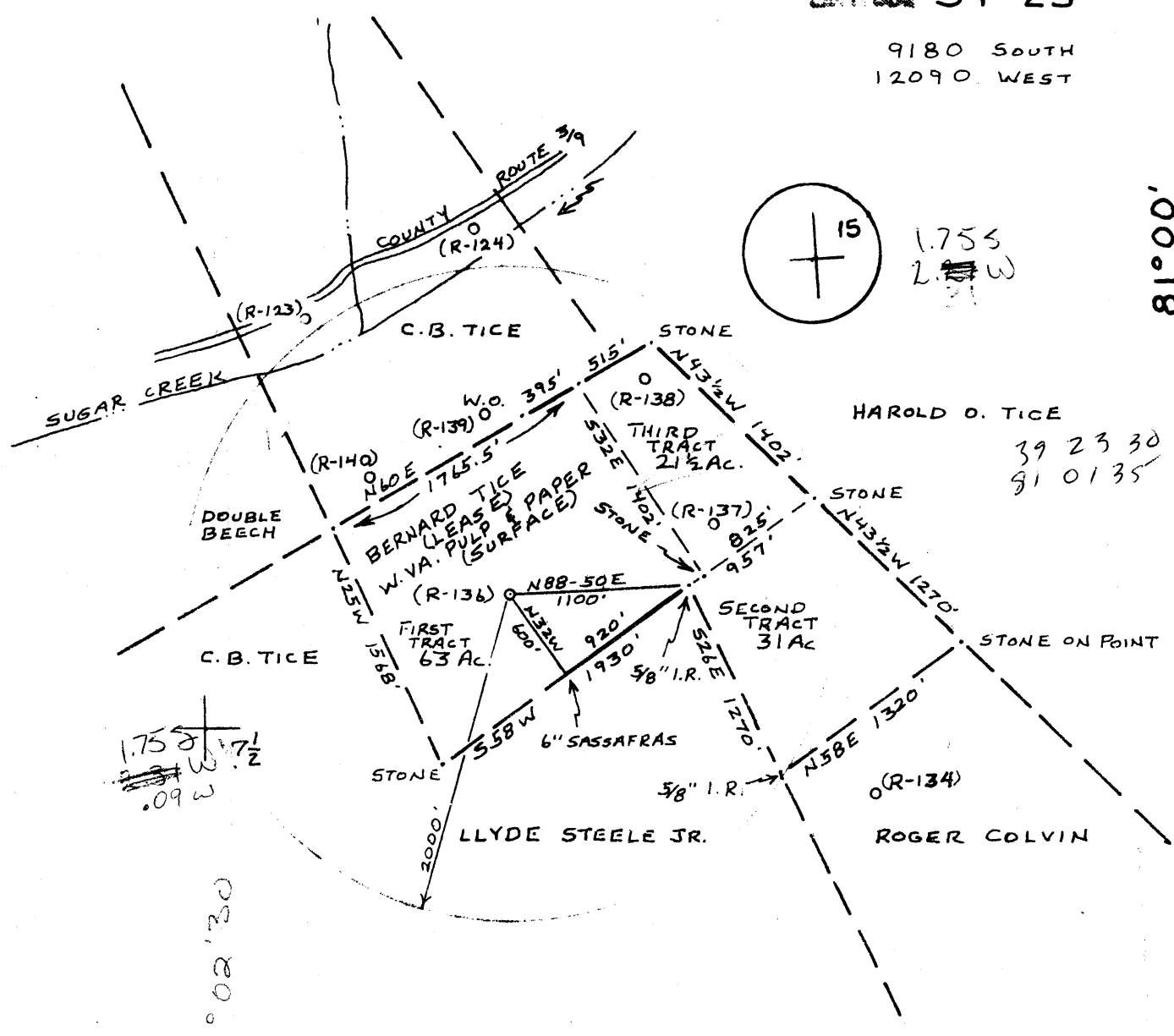


Latitude 39° 25'

9180 SOUTH
12090 WEST

81° 00' 18"



1.755
2.17 W

39 23 30
91 01 35

1.755
2.17 W
.09 W

81° 02' 30"

7 1/2 loc
1.755
0.09 W

1" = 1000'

1:200

ROAD ELEV. 1022'

20 APRIL

79
R-136

073

0751

WELL NO. 1046' X X
 LOCATION BENS RUN, W. VA. 7 1/2 QUAD., ST MARYS
 DISTRICT LAFAYETTE
 WEST VIRGINIA PULP & PAPER
 BERNARD TICE

UPPER DEVONIAN 3146'
 C.W. RIGGS, INC. Box 358, ST. MARYS, W. VA. 26170
 C.W. RIGGS Box 358, ST. MARYS, W. VA. 26170

MAY 22 1979

b-b Shawnee (62)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD 57

RECEIVED

FEB 22 1980

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle BENS RUN
Permit No. 47-073-0751

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

Company C.W. Riggs, Inc.
Address Box 358 St. Marys, W. Va.
Farm Bernard Tice. Acres 125
Location (waters) Sugar Creek
Well No. R-136 Elev. 1046
District LA Fayette County Pleasants
The surface of tract is owned in fee by W. Va.
Pulp and Paper
Address Parkersburg, W. Va.
Mineral rights are owned by Bernard Tice
Address St. Marys, W. Va.
Drilling Commenced 7-12-79
Drilling Completed 7-18-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 25,000 cu. ft. per day 0 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	1050	1050	
7			
5 1/2			
4 1/2		3168'	460 SKS.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforations 2704' - 2968' 25 shots

Fracture Treatment

1500 BBL. H₂O, 100,000 * SAND, 123,000 SCF N₂

25 MCF

Coal was encountered at NIA Feet _____ Inches _____
Fresh water NIA Feet _____ Salt Water NIA Feet _____
Producing Sand 3ft. Gordon 4ft. Sand, Gordon 2675 - 2974 depth
2675-3708 2871-94 2966-74 2804-33

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
1st.	SALT SAND		1349'	1375'	*	TOP LOG
2nd.	SALT SAND		1401'	1442'		
3rd.	SALT SAND		1549'	1584'		
MAXON			1682'	1725'		
Big Lime			1850'	1932'		
Keener			1973'	2004'		
INJUN			2005'	2085'		
SQUAW			2105'	2120'		
Welch stray			2389'	2413'		
BEECA			2456'	2461'		
50 FOOT			2578'	2643'		

(over)

* Indicates Electric Log tops in the remarks section.

MAR 10 1980

Formation	Color	Hard or Soft	Top Feet ⁵⁷	Bottom Feet	Oil, Gas or Water	Remarks
30 FOOT			2675'	2708'	GAS	
GORDON STRAY			2804'	2833'	GAS	
GORDON			2871'	2894'	GAS + OIL	
4th SAND			2961'	2974'	GAS	
5th SAND			3067'	3080'		
				brm 1/2		
				100/64		
				3/16		

Date Feb. 1, 19 80

APPROVED C.W. Riggs, INC. Owner

By John Schneider

18.0000



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 W. Va. Pulp & Paper

Company C. W. Riggs, Inc.

Address Parkersburg, W. Va.

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

Mineral Owner Bernard Tice

Farm Tice Acres 125

Address St. Marys, W. Va.

Location (waters) Sugar Creek

Coal Owner Bernard Tice

Well No. R-136 Elevation 1046'

Address St. Marys, W. Va.

District Lafayette County Pleas.

Coal Operator None

Quadrangle Bens Run, W. Va.

Address _____

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 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 Bernard Tice made to Frank Pethtel and recorded on the 15 th day of March 1979 in Pleasants County, Book 151 Page 386

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 BOND

47-073-0751

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 St. Marys, W. Va.
 TELEPHONE 472-6396 TELEPHONE 684-3974
 ESTIMATED DEPTH OF COMPLETED WELL: 3150' 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 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		3150'	200 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95 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