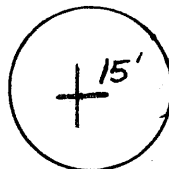


LATITUDE 39° 25'

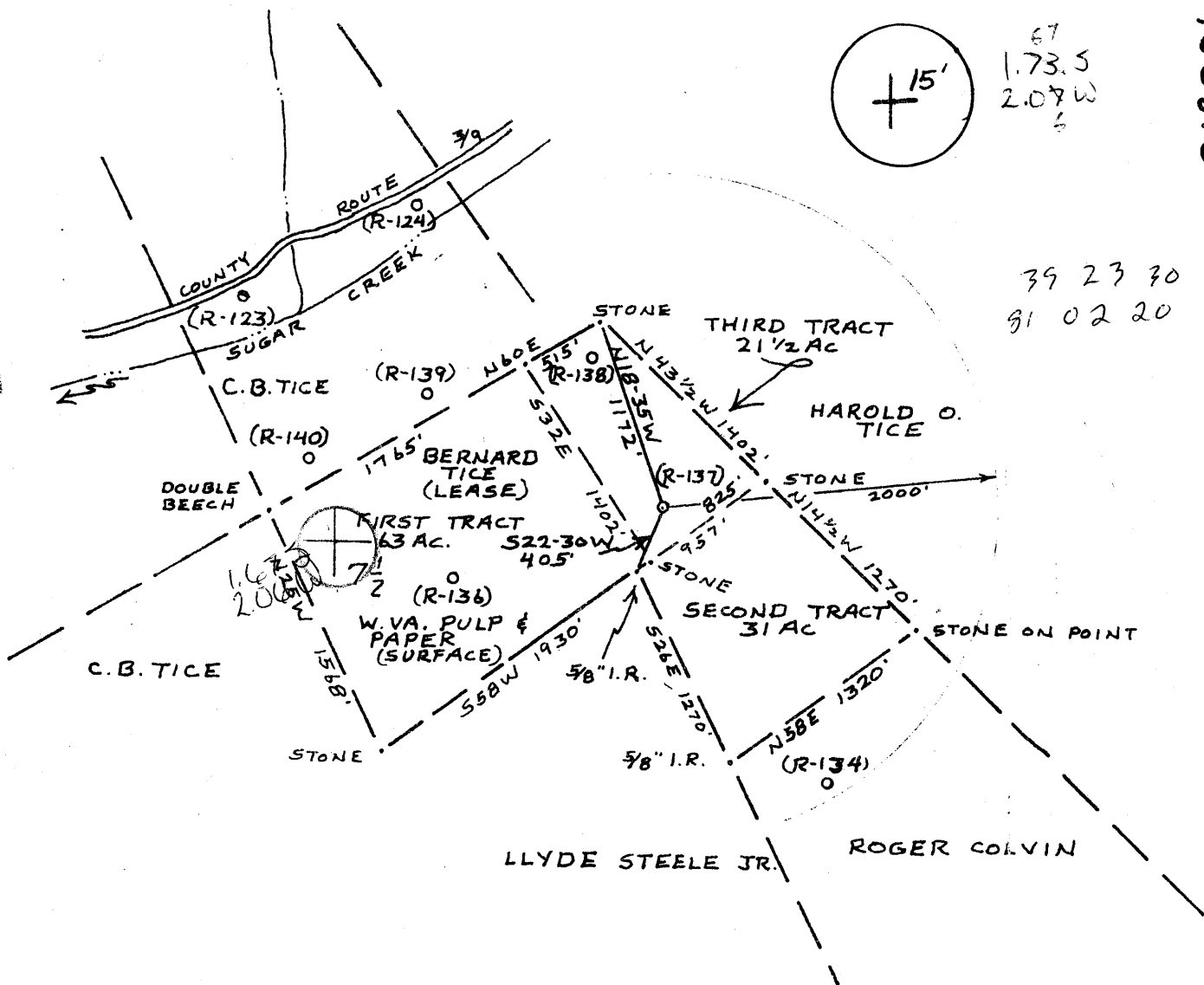
8760 SOUTH
10760 WEST



67
1.73.5
2.07W
6

81° 00'

39 23 30
91 02 20



1" = 1000'

1:200

ROAD ELEV. 1022'

DATE 21 APRIL 1979
OPERATOR R-137
WELL NO. 47-073-0752
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WASTE DISPOSAL _____
DEEP _____ SHALLOW _____
LOCATION ELEVATION 1084' INTER SHED SUGAR CREEK
DISTRICT LAFAYETTE COUNTY PLEASANTS
QUADRANT # BENS RUN, W. VA. 7 1/2' QUAD., ST. MARYS 50
OWNER WEST VIRGINIA PULP & PAPER ACREAGE 125
TO & FROM ROYALTY OWNER BERNARD TICE LEASE ACREAGE 125
WELL WORK UNTIL X CONVERT _____ WELL CLOSURE _____ FRACTURE ON
STIMULATE _____ OLD FORMATION _____ PERFORATE NEW
FORMATION _____ PHYSICAL CHANGE IN WELL (SPECIFY) _____

WELL ABANDON _____
TARGET FURSION UPPER DEVONIAN ESTIMATED DEPTH 3184'
OPERATOR C.W. RIGGS, INC. ESTIMATED DEPTH C.W. RIGGS
ADDRESS BOX 35B, ST. MARYS, W. VA. 26170 ADDRESS BOX 35B, ST. MARYS, W. VA. 26170

MAY 22 1979

6-6 Shawnee (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 58

Quadrangle BENS RUN
Permit No. 47-073-0752

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-137 Elev. 1084'
District LAFayette 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 6-14-79
Drilling Completed 6-20-79
Initial open flow _____ cu. ft. _____ bbls.
Final production 81,000 cu. ft. per day 32 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	1088'	1088'	
7			
5 1/2			
4 1/2		3199'	445 SKS.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforations 2921 - 3027'

Fracture Treatment
1500 BBL. H₂O, 100,000 # SAND

Coal was encountered at N/A Feet _____ Inches _____
Fresh water N/A Feet _____ Salt Water N/A Feet _____
Producing Sand GORDON, Fourth SAND Depth 2917-2953 + 2987'-3032'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
1st. SALT SAND			1373'	1426'		* TOP LOG
2nd SALT SAND			1499'	1524'		
3rd SALT SAND			1579'	1632'		
MAXON			1722'	1765'		
Big lime			1984'	1982'		
Keener			2002'	2046'		
INJUN			2047'	2140'		
Squaw			2146'	2157'		
Welch Stray			2409'	2420'		
Berea			2501'	2507'		
50 FOOT			2622'	2674'		
30 FOOT			2717'	2747'		

(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			2850'	2879'		
GORDON			2917'	2953'	GAS & OIL	
4th SAND			2987'	3032'	GAS	

Date Feb. 1, 1980

APPROVED C.W. Riggs, INC. OWNER

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 W. Va. Pulp & Paper
Address Parkersburg, W. Va.
Mineral Owner Bernard Tice
Address St. Marys, W. Va.
Coal Owner Bernard 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 125
Location (waters) Sugar Creek
Well No. R-137 Elevation 1084'
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, the location is hereby approved

INSPECTOR

for drilling, This permit shall expire TO BE NOTIFIED Philip Tracy
operations have not been recommended by 12-30-79

John H. [Signature]

ADDRESS Middlebourne, W. Va.

Deputy Director - Oil & Gas Division

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 19 79 by Bernard Tice made to Frank Pethtel and recorded on the 15th day of March 19 79, 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:

Very truly yours,

(Sign Name) C. W. Riggs
Well Operator

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

47-073-0752

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: 3200' 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	LEFT 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>3200'</u>	<u>200 sks.</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 112 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