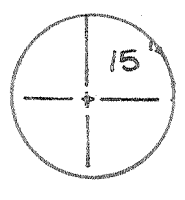


LATITUDE 39°25'

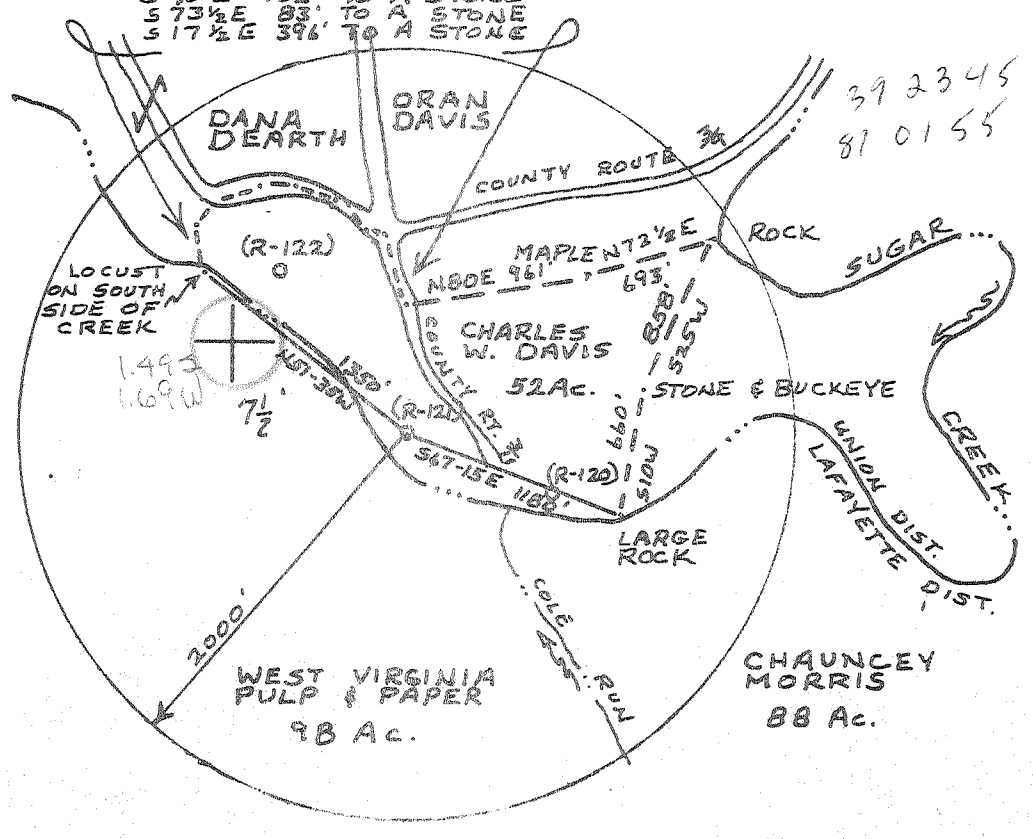
7760 SOUTH  
8830 WEST



1455  
169 W

LONGITUDE 81°00'

- N 10 W 231' TO A STONE
- N 37 E 123' TO A STONE
- N 68 1/2 E 264' TO A STONE
- N 88 E 198' TO A STONE
- S 73 E 238' TO A STONE
- S 65 E 53' TO A STONE
- S 40 E 162' TO A STONE
- S 73 1/2 E 83' TO A STONE
- S 17 1/2 E 396' TO A STONE



(R-124)  
0

SCALE 1" = 1000'  
 HORIZONTAL SCALE OF  
 1:200  
 ELEVATION HIGH POINT ELEV. 1032'

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. Massor*  
 R.P.E. #551



DATE 16 MARCH 1979  
 OPERATOR WELL NO. R-121  
 STATE COUNTY PERMIT

FOR THE LOCATION OF  
 WELL OR OTHER STATUS  
 COORDINATE DATA  
 FORM NO. 18-72

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE:  SURFACE  UNDERGROUND  
 LOCATION: COORDINATE 694' DISTRICT UNION COUNTY PLEASANTS  
 QUAD: BENS RUN, W.VA. 7 1/2 QUAD. SECTION 15 EC  
 SURFACE OWNER CHARLES W. DAVIS LEASE NO. 52  
 OIL & GAS ROYALTY OWNER CHARLES W. DAVIS LEASE NO. 52

PROPOSED WELL DRILL  CONVERT  WELL DEPTH 2800' NATURE OR  
 STIMULATE  OLD FORMATION  PERFORATE NEW  
 FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

FLUID LOSS CONTROL CLEAN OUT AND REPAIRS  
 GORDON  
 C.W. RIGGS, INC. ADDRESS BOX 358, ST. MARYS,  
 WEST VIRGINIA 26170  
 APR 16 1979  
 6-6 Stilton-Wick (86)



FEB 22 1980

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 49

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. X  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Quadrangle BEALS RUN

Permit No. 47-073-0736

Company C. W. Riggs, Inc.  
Address Box 35B S. MARYS, W.V.A.  
Farm C. W. DAVIS Acres 52  
Location (waters) SUGAR CREEK  
Well No. R-121 Elev. 694'  
District UNION County PLEASANTS  
The surface of tract is owned in fee by C. W. DAVIS  
Address WELLSVILLE, OH 10  
Mineral rights are owned by SAME  
Address SAME  
Drilling Commenced 4-22-79  
Drilling Completed 4-26-79  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 35,000 cu. ft. per day 0 bbls.  
Well open \_\_\_\_\_ hrs. before test 1900 RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 (10) MIN	250'	250'	
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2		2742'	325 sks.
3			
2			
Liners Used			

Attach copy of cementing record.  
35MCF

PERFORATIONS 2350 - 2540 12 SHOTS

FRACTURE TREATMENT

1500 BBL H<sub>2</sub>O, 100,000 # 20-40 SAND, 95,000 SCF N<sub>2</sub>

Coal was encountered at N/A Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water N/A Feet \_\_\_\_\_ Salt Water N/A Feet \_\_\_\_\_  
Producing Sand GORDON + 5th SAND Depth 2340 - 2399 + 2531 - 2545  
QDR 5th

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
1ST SALT			968'	1028'		* TOP LOGGED
2ND SALT			1106'	1126'		
3RD SALT			1186'	1235'		
MAXON			1331'	1360'		
Big LIME			1393'	1449'		
KEENER			1483'	1501'		
INJUN			1530'	1629'		
SQUAW			1690'	1699'		
WELCH STRAY			1725'	1773		
BEREA			1911'	1923'		
50 FOOT			2040'	2092'		
30 FOOT			2231'	2269'		

(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			2300'	2330'		
GORDON			2340'	2399'	GAS - OIL SHOW	
4TH SAND			2415'	2422'		
5TH SAND			2531'	2545'	GAS	
				btm 4 1/2" 2059		
				2-142		

Date 1-31, 1980

APPROVED C.W. Riggs, Inc. Owner

By 



RECEIVED

MAR 28 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 3-27-79

Surface Owner Charles W. Davis

Company C. W. Riggs, Inc.

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

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

Mineral Owner Charles W. Davis

Farm Davis Acres 52

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

Location (waters) Sugar Creek

Coal Owner Charles W. Davis

Well No. R-121 Elevation 694'

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

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 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 7 1979 by Charles W. Davis made to Frank Pethtel and recorded on the 9th day of March 1979 in Pleasants County, Book 151 Page 364

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) T. W. Riggs  
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.

**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 Box 358, St. Marys, W. Va.  
 TELEPHONE 472-6396 TELEPHONE 684-3974  
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY    X    CABLE TOOLS             
 PROPOSED GEOLOGICAL FORMATION: Gordon  
 TYPE OF WELL: OIL            GAS            COMB.    X    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		2800'	200 sks.
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS    84    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