



- Fracture....
- Redrill....
- New Location
- Drill Deeper
- Abandonment

Source of Elevation USGS NE at intersection of Park Street & Locust Avenue Town of Masontown EL-1819

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

Company RAY RESOURCES CORP.  
 Address CHARLESTON, W. VA.  
 Farm Preston County Coal & Coke Co.  
 Tract \_\_\_\_\_ Acres 59.5 Lease No. PL 70271  
 Well (Farm) No. 478 Serial No. 970  
 Elevation (Spirit Level) 1804' SE  
 Quadrangle MORGANTOWN 15 MIN.  
 County Preston District Valley  
 Surveyor or Engineer Ray M. Stiles  
 Surveyor's or Engineer's Registration No. 25U  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 31 July 1974 Scale 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. Pres-171

Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-077



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Masontown

Permit No. PRES-171

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

Company RAY RESOURCES CORPORATION  
630 Commerce Square  
Address Charleston, W. Va. 25301  
Farm Preston County C. & C. Acres 59.5  
Location (waters) Deckers Creek  
Well No. 478 Elev. 1804'  
District Valley County Preston  
The surface of tract is owned in fee by Preston  
County Coal & Coke  
Address Morgantown, W. Va.  
Mineral rights are owned by Preston County  
C. & C. Address Morgantown, W. Va.  
Drilling Commenced Aug. 15, 1974  
Drilling Completed Sept. 2, 1974  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 5.165M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 8 hrs. before test 35 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	58'	58'	To Surface
9 5/8	1100'	1100'	To Surface
8 5/8			
7			
5 1/2			
4 1/2	7986'	7986'	300 Sacks
3			
2	7820'	7820'	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Treated with 1,000 Bbls. gelled acid and 38,000# 20-40 Sand

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 73 Feet 113 Salt Water 1035 Feet \_\_\_\_\_  
Producing Sand Huntersville Chert Depth 7692'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Red Rock			0	195		Water at 73' & 113'
Sand			195	240		
Shale			240	315		
Sand			315	480		
Sand & Shale			480	820		
Big Lime			820	1010		
Sand & Shale			1010	1550		
Shale			1550	1840		
Sand & Shale			1840	4350		
Shale			4350	7250		
Tully Lime			7250	7330		
Black Shale			7330	7616		
Onondaga			7616	7632		
<u>Huntersville Chert</u>			7632	7858		
Oriskany			7858	7910		
<u>Helderberg</u>			7910	8000		
Total Depth			8000			

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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AUG 8 1974

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 August 8, 1974

Surface Owner Preston County Coal & Coke Co. Company RAY RESOURCES CORPORATION  
Cascade, W. Va. 26526 Address 630 Commerce Square  
Preston County Coal & Coke Co. Address Charleston, W. Va. 25301  
Cascade, W. Va. 26526 Farm Preston County Coal & Coke Co. Acres 59.5

Coal Owner Preston County Coal & Coke Co. Location (waters) Deckers Creek  
Cascade, W. Va. 26526 Well No. 478 Elevation 1804'

Coal Operator None District Valley County Preston  
Address \_\_\_\_\_ Quadrangle Morgantown 15 Min.  
Masontown 7-1/2 Min.

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 12-8-74

Robert H. Hoda  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard Morris  
Colfax, W. Va. PH: 366-1913  
to Bill Blosser

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 Sept. 15, 1970 by Preston County Coal & Coke Co. made to Consolidated Gas Supply Corp. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Preston County, Book 416 Page 169

XX 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, RAY RESOURCES CORPORATION  
Tom R. Ryzdale  
(Sign Name) \_\_\_\_\_  
Well Operator  
630 Commerce Square

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505  
AC 304-296-4461

Address  
of  
Well Operator

Street  
Charleston  
City or Town  
West Virginia 25301  
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

Pres-171 PERMIT NUMBER  
47-077