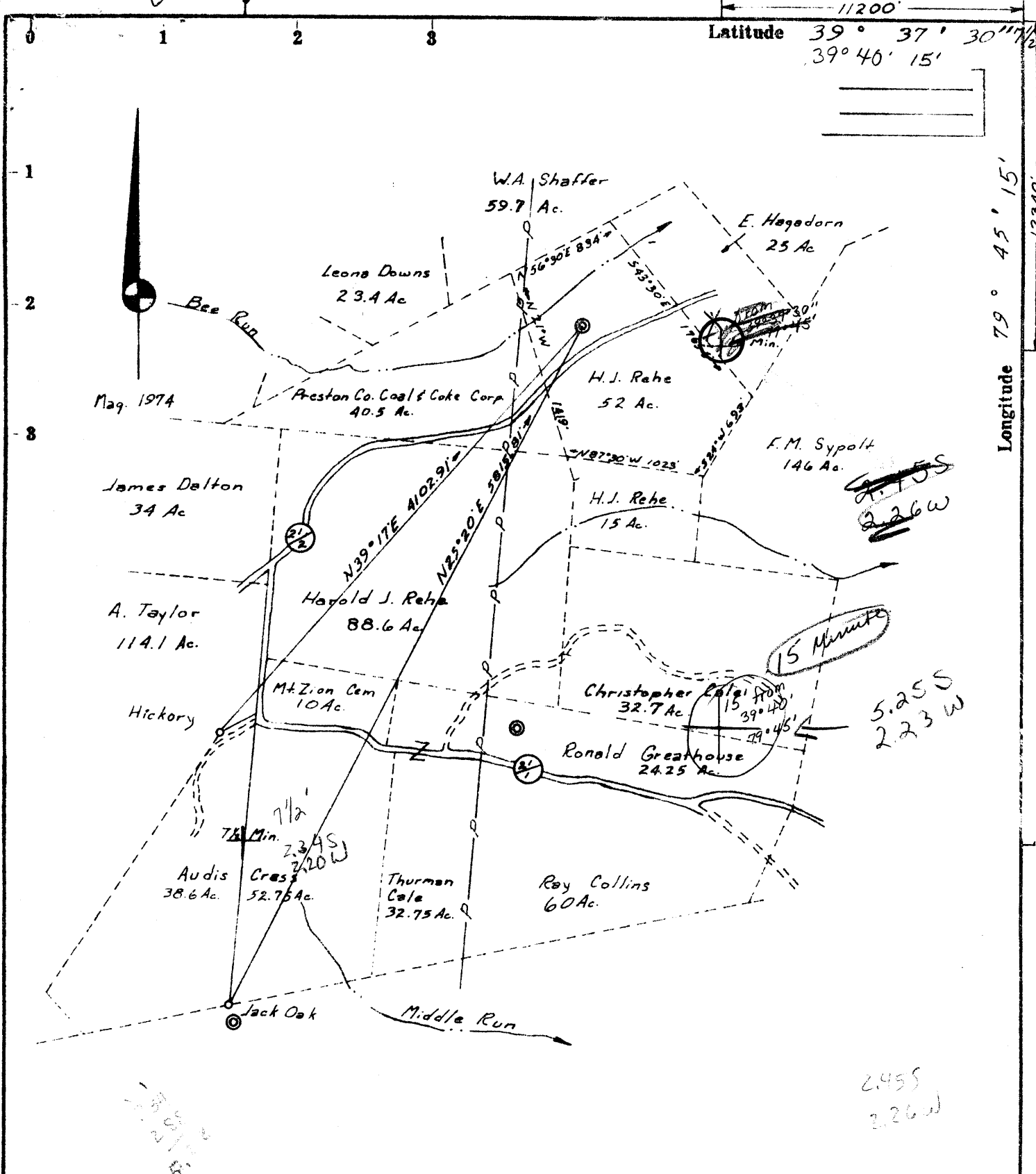


Latitude 39° 37' 30" / 39° 40' 15"



Longitude 79° 45' 15"

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

USGS VE at intersection of Park Street & Locust Avenue - Town of Mesantown E1-1819  
 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 Corporation  
 Address Charleston W.Va.  
 Farm Harold J. Rehe  
 Tract \_\_\_\_\_ Acres 52 Lease No. \_\_\_\_\_  
 Well (Farm) No. 499 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1843  
Mesantown 15  
 Quadrangle Mesantown 7 1/2 EC  
 County Preston District Valley  
 Surveyor or Engineer Ray M. Stiles  
 Surveyor's or Engineer's Registration No. 25U  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 9 December 1974 Scale 1"=1000'

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

WELL LOCATION MAP  
 FILE NO. Pres-174

+ 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

6-6 S. Burns Chapel (313)

Deep Well JAN 13 1975  
 (Oriskany)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD**

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

Quadrangle Morgantown - 15'  
Permit No. PRES-174

Company RAY RESOURCES, DIVISION OF FDOC  
Address Charleston, W. Va. 25301  
Farm Harold Rehe Acres 52  
Location (waters) \_\_\_\_\_  
Well No. 499 Elev. 1843'  
District Valley County Preston  
The surface of tract is owned in fee by \_\_\_\_\_  
Harold Rehe  
Address Masontown, W. Va.  
Mineral rights are owned by Harold Rehe  
Address Masontown, W. Va.  
Drilling Commenced Jan. 9, 1975  
Drilling Completed Jan. 29, 1975  
Initial open flow 0 cu. ft. \_\_\_\_\_ bbls.  
Final production 2330 M cu. ft. per day \_\_\_\_\_ bbls.  
Well open 8 hrs. before test 3550 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	<b>45'</b>	<b>45'</b>	To Surface
9 5/8	<b>1184'</b>	<b>1184'</b>	To Surface
8 5/8			
7			
5 1/2			
4 1/2	<b>7898'</b>	<b>7898'</b>	300 Sks.
3			
2	<b>7812'</b>	<b>7812'</b>	
Liners Used			

Well treatment details:

Attach copy of cementing record.

**Treated with 1458 bbls. gelled acid, 60,000# Sand.**  
**Average treating pressure 5059#**  
**Injection Rate - 32.6 bbls./minute**

Coal was encountered at 286 Feet \_\_\_\_\_ Inches  
Fresh water 40 & 107 Feet \_\_\_\_\_ Salt Water 7890 Feet \_\_\_\_\_  
Producing Sand Chert Huntersville Depth 7780 - 7840

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			55	158		
Shale			158	286		
Coal			286	289		
Sand			289	490		
Shale			490	787		
Lime & Sand			789	1235		
Sand & Shale			1235	4560		
Shale			4560	7311		
Tully Lime			7311	7405		
Black Shale			7405	7756		
Onondaga Lime			7756	7776		
<u>Huntersville</u> Chert			7776	7912		
T. D.			7912			Wet at 7890'

(over)

\* Indicates Electric Log tops in the remarks section.



RECEIVED

DEC 26 1974

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

Surface Owner H. J. Rehe  
Address Reedsville, W. Va.  
Mineral Owner H. J. Rehe  
Address Reedsville, W. Va.  
Coal Owner Unknown  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

DATE December 16, 1974  
Company RAY RESOURCES CORPORATION  
630 Commerce Square  
Address Charleston, W. Va. 25301  
Farm H. J. Rehe Acres 52  
Location (waters) Bee Run  
Well No. 499 Elevation 1843'  
District Valley County Preston  
Quadrangle Masontown 7-1/2'  
Morgantown 15'

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 4-23-75

INSPECTOR TO BE NOTIFIED Paul Barrett PH: 622-3871

Clarksburg  
W.Va.

Robert S. [Signature]  
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 November 30 1970 by Harold Rehe, et ux Consolidated Gas Supply Corporation made to \_\_\_\_\_ and recorded on the 17 day of March 19 71 in Preston County, Book 418 Page 618

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.

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

Very truly yours, RAY RESOURCES CORPORATION

(Sign Name) Tom Rozdale  
Well Operator

630 Commerce Square

Street

Charleston

City or Town

West Virginia 25301

State

Address  
of  
Well Operator

\*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-174 PERMIT NUMBER  
47-077

**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT: R. D. Hanley  
 NAME Ray Resources Corporation NAME 630 Commerce Square  
 ADDRESS 630 Commerce Square ADDRESS Charleston, W. Va. 25301  
 ADDRESS Charleston, W. Va. 25301 ADDRESS \_\_\_\_\_  
 TELEPHONE 344-8393 TELEPHONE 344-8393  
 ESTIMATED DEPTH OF COMPLETED WELL: 8050' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX 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	60 Ft.	60 Ft.	To Surface
9 - 5/8	1200 Ft.	1200 Ft.	To Surface
8 - 5/8			
7			
5 1/2			
4 1/2	8050 Ft.	8050 Ft.	300 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 40 Ft.  
 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