



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY 17 1976

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Belva Miller  
Address Route #1, Leroy, WV 25252  
Mineral Owner Belva Miller  
Address Route #1, Leroy, W. Va. 25252  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE May 17, 1976  
Company RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION  
Address 630 Commerce Sq., Chas., WV 25301  
Farm Belva Miller Acres 53  
Location (waters) Reedy Creek  
Well No. 686 Elevation 788'  
District Reedy County Wirt  
Quadrangle Spencer

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 9-17-76.

INSPECTOR TO BE NOTIFIED Paul Goodnight  
ADDRESS Smithville, W. Va.  
PHONE 477-2455

[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 Assignment dated July 15, 1975 by Glen W. Roberts made to Ray Resources and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_  
XXX 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, [Signature]  
(Sign Name) \_\_\_\_\_  
RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION  
Well Operator  
630 Commerce Square  
Street  
Charleston,  
City or Town  
West Virginia 25301  
State

01/12/2024

\*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

[Handwritten mark]

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

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Ray Resources NAME Bill Endicott  
 ADDRESS Charleston, W. Va. 25301 ADDRESS Box 234, Culloden, W. Va.  
 TELEPHONE 344-8393 TELEPHONE 743-9067  
 ESTIMATED DEPTH OF COMPLETED WELL: 2450' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Berea  
 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 <u>11 3/4"</u>	<u>30'</u>	<u>30'</u>	<u>To Surf.</u>
9 - 5/8			
8 - 5/8	<u>300'</u>	<u>300'</u>	<u>To Surf.</u>
7			
5 1/2			
4 1/2	<u>2450'</u>	<u>2450'</u>	<u>75 Sks.</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100' FEET \_\_\_\_\_ SALT WATER 1700' 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. 01/12/2024

\_\_\_\_\_  
For Coal Company

\_\_\_\_\_  
Official Title



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

**RECEIVED**

SEP 28 1976

OIL & GAS DIVISION  
DEPT. OF MINES

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

Quadrangle Spencer

Permit No. WIR - 683

Company <u>RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>630 Commerce Square, Chas., W. Va. 23501</u>				
Farm <u>Belva Miller</u> Acres <u>53</u>	Size			
Location (waters) <u>Reedy Creek</u>	<u>20-16</u>			
Well No. <u>686</u> Elev. <u>788'</u>	Cond.			
District <u>Reedy</u> County <u>Wirt</u>	<u>13-10"</u>			
The surface of tract is owned in fee by <u>Belva Miller</u>	<u>9 5/8</u>			
Address <u>Rt #1, Leroy, W. Va. 25252</u>	<u>8 5/8</u>	<u>313'</u>	<u>313'</u>	<u>To Surf</u>
Mineral rights are owned by <u>Belva Miller</u>	<u>7</u>			
Address <u>Leroy, W. Va. 25252</u>	<u>5 1/2</u>			
Drilling Commenced <u>5-18-76</u>	<u>4 1/2</u>	<u>2448'</u>	<u>2448'</u>	<u>100 Sks.</u>
Drilling Completed <u>5-21-76</u>	<u>3</u>			
Initial open flow _____ cu. ft. Show _____ bbls.	<u>2 3/8"</u>	<u>2388'</u>	<u>2388'</u>	
Final production _____ cu. ft. per day <u>8</u> bbls. per day	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.  
Well frac'd with 650 Bbls. oil; 31,000# sand and 250 Gal. acid.  
Average injection rates - 25.8 Bbls. per minute  
Average pressure - 2420#

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet  
 Producing Sand Berea Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	7		
Sand and Shale			7	1020		
Salt Sand			1020	1700		
Lime			1700	1840		
Injun			1840	1850		
Shale			1850	2364		
Berea			2364	2381		
Shale			2381	2450		
				2450'	T.D.	

01/12/2024

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

01/12/2024

Date July 22, 1976

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION Owner

By Tom Ragsdale  
Tom Ragsdale (Title) Geologist

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

RECEIVED

MAY 25 1976

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wirt 683

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Eng Resources Div. of F.O.O.C</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Belva Miller</u>	16			Kind of Packer _____
Well No. <u>686</u>	13			
District <u>Reedy</u> County <u>Gilmer</u>	10			Size of _____
Drilling commenced <u>5-17-76</u>	8 1/4 <u>8 5/8</u>	<u>277</u>		
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>277</u> No. FT. _____ Date _____ <u>Cem to Surface 100</u> <u>Bye</u>			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names MARKS

Contr- F.W.A. Drilling Co. Rotary - Fluid

Remarks:

Drlg - 1438'

5-20-76  
DATE

[Signature]  
DISTRICT WELL INSPECTOR

DATE

01/12/2024  
DISTRICT WELL INSPECTOR



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

RECEIVED  
OCT 20 1978

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. Wir - 683

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Ray Resources Div of F.D.O.C</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
	Size			
Address _____	16			Kind of Packer _____
Farm <u>Belva Miller</u>	13			
Well No. <u>686</u>	10			Size of _____
District <u>Reedy</u> County <u>Wirt</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

*Rel-*

10-18-78

DATE

*Ray Resources* 611 505

DISTRICT WELL INSPECTOR

01/12/2024

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_  
DATE I hereby certify I visited the above well on this date.



B-12



State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305  
October 20, 1978

Ray Resources Corporation  
Division of F.D.O.C.  
630 Commerce Square  
Charleston, W. Va. 25301  
Attn: Tom Ragsdale

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

- WIRT-683 - Belva Miller # 686 - Reedy District
- WIRT-693 - Anna Thorn, etal. # 1-694 - Reedy District
- WIRT-702 - Billy Full # 723 - Reedy District
- WIRT-715 - B. L. Sheppard # 1-752 - Reedy District
- WIRT-717-REV - C. E. Hughes # 1-695 - Tucker District
- WIRT-719 - J. M. Williams # 1-756 - Tucker District

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force until such time as the requirements of Chapter 22 have been met. "Bonds will stay in force for life of the wells."

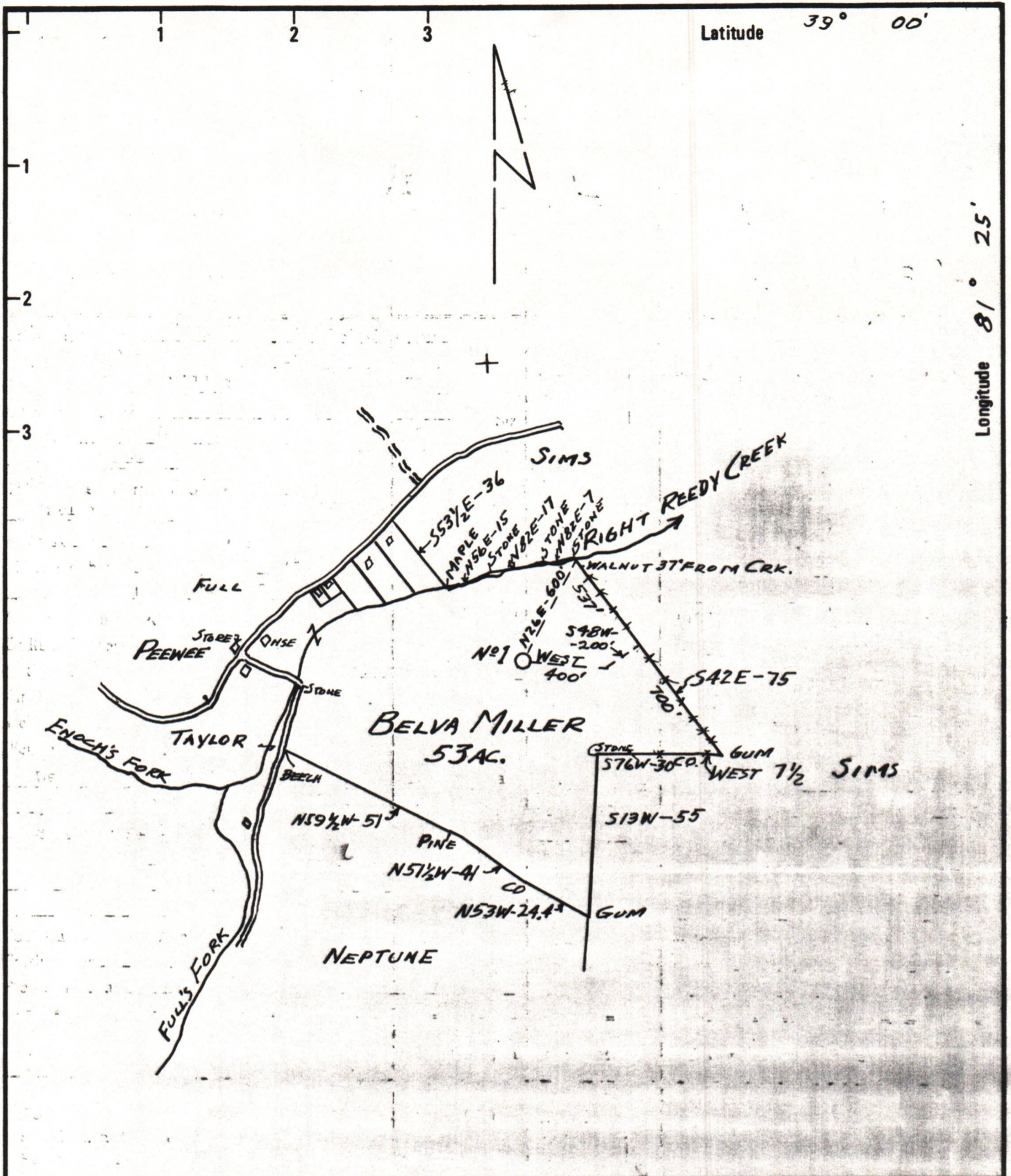
Reclamation requirements approved.....

Very truly yours,

Robert L. Dodd, Deputy Director  
Oil and Gas Division

RLD/cdm

01/12/2024



Latitude 39° 00'

Longitude 81° 25'

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure 1 IN 200  
 Source of Elevation ROAD FKS. AT PEEWEE = 678 FT.  
 "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."

Company RAY RESOURCES DIV. OF F.D.O.C.  
 Address 630 COMMERCE SQ., CHARLESTON, W.VA.  
 Farm BELVA MILLER  
 Tract 53 Acres Lease No. 1095  
 Well (Farm) No. ONE Serial No. 686  
 Elevation (Spirit Level) 788 FT.  
 Quadrangle SPENCER  
 County WIRT District REEDY  
 Engineer Istis W Roberts  
 Engineer's Registration No. 860  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MAY 7, 1976 Scale 1 IN = 40 POLES

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

**WELL-LOCATION MAP**  
**FILE NO. WIR-683**

01/12/2024

+ 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.

47-105

2450 Belva WIR 683

B-2

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

RECEIVED

MAY 25 1976

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wirt 683

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Ray Resources Div. of F.O.D.C</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Belva Miller</u>	16			
Well No. <u>686</u>	13			Size of _____
District <u>Reedy</u> County <u>Gilmer</u>	10			
Drilling commenced <u>5-17-76</u>	8 1/4 <u>8 5/8</u>	<u>277</u>		Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>277</u> No. FT. _____ Date _____ <u>Cem to Surface 100</u> <u>Bye</u>			
Oil _____ bbls., 1st 2 1/2 hrs.	NAME OF SERVICE COMPANY <u>Dowell</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names MARKS

Contr - F.W.A. Drilling Co. Rotary - Fluid

Remarks:

Drlg - 1438'

5-20-76

DATE

*[Signature]*

DISTRICT WELL INSPECTOR

01/12/2024

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

Liner			Location	Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR

01/12/2024

B-3

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

RECEIVED

MAY 25 1976

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir - 683

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Ray Resources - Div of F.D.O.C</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Belva Miller</u>	16			Kind of Packer _____
Well No. <u>686</u>	13			
District <u>Reedy</u> County <u>Wirt</u>	10			Size of _____
Drilling commenced <u>5-17-76</u>	8 1/4 <u>8 3/8</u>	<u>277</u>		
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 3/8</u> SIZE <u>277</u> No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	<u>Can to Surface 100 Bgn</u>			
Salt water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names MARKS

Contr - F.W.A Drilling Co - Rotary Fluid

Remarks:

Drlg - 2150'

5-21-76  
DATE

[Signature]  
DISTRICT WELL INSPECTOR

01/12/2024



B-4



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

September 28, 1976

JOHN ASHCRAFT  
Director

ROBERT L. DODD  
Deputy Director

Paul Goodnight  
Smithville, W.Va.

PERMIT	WIRT-683
COMPANY	Ray Resources
FARM	Belva Mitter
WELL NO	686
DISTRICT	Reedy
COUNTY	Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/ Chm