



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
OCT 23 1975
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 October 21, 1975

Surface Owner Westvaco Corporation

Company Ray Resources, Division of FDOC

Address New York, New York

Address 630 Commerce Square, Charleston, W. Va.

Mineral Owner Glen W. Roberts

Farm Westvaco-Roberts Acres 148

Address Box 92, Elizabeth, W. VA. 26143

Location (waters) Fish Pot LRun

Coal Owner None

Well No. One-560 Elevation 1110'

Address ----

District Spring Creek County Wirt

Coal Operator None

Quadrangle Spencer

Address ---

TO BE POSTED AT THE WELL SITE

Being in accordance with Chapter 22,
W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 2-23-76.

[Signature]
Deputy Director - Oil & Gas Division

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

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 July 1 1975 by Glen W. Roberts made to Ray Resources, Div. FDOC and recorded on the _____ day of _____ 19____, in Wirt County, Book _____ Page _____

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.

RAY RESOURCES, DIVISION OF
FLYING DIAMOND OIL CORPORATION
Very truly yours,
(Sign Name) James S Ray
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

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

Address
of
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

WIRT-677

PERMIT NUMBER

47-105

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 Haught Brothers NAME Bill Endicott
 ADDRESS Smithville, W. Va. ADDRESS Culloden, W. Va.
 TELEPHONE 477-2222 TELEPHONE 743-9067
 ESTIMATED DEPTH OF COMPLETED WELL: 2050' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun & Squaw
 TYPE OF WELL: OIL _____ GAS _____ COMB. X 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	200'	200'	To surface
7			
5 1/2			
4 1/2	2050'	2050'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS None FEET SALT WATER 1700' FEET
 APPROXIMATE COAL DEPTHS None
 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

01/12/2024

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SEP 1 1976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD 9

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

Quadrangle Spencer

Permit No. WIRT - 677

RAY RESOURCES, DIVISION OF
Company FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Sq., Chas., WV 25301
Farm Westvaco - Roberts Acres 148
Location (waters) Fish Pot Run
Well No. 560 Elev. 1110'
District Spring Creek County Wirt
The surface of tract is owned in fee by Westvaco Corporation
Address New York, New York
Mineral rights are owned by Glen W. Roberts
Address Box 92, Elizabeth, WV 26143
Drilling Commenced 10-25-75
Drilling Completed 10-27-75
Initial open flow _____ cu. ft. _____ bbls.
Final production 133 cu. ft. per day 6 bbls.
Well open _____ hrs. before test 290 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			
8 5/8	219'	219'	To Surf
7			
5 1/2			
4 1/2	2078'	2078'	75 Sks.
3			
23/8	2041	2041	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well frac'd with 551 Bbls. water, 16,000# 20/40 sand, 500 gal. HCl
Average rate - 33.9 Bbls. per minute

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	10		
Sand			10	100		
Red Rock			100	105		
Sand			105	120		
Red Rock			120	134		
Sand			134	154		
Red Rock			154	190		
Sand			190	200		
Red Rock			200	208		
Sand			208	224		
Red Rock			224	230		
Sand			230	275		
Red Rock			275	330		
Sand			330	350		
Red Rock			350	371		
Sand			371	402		
Shale			402	432		
Sand			432	442		
Shale			442	480		
Sand			480	560		
Slate			560	688		
Sand			688	709		
Slate			709	740		
Sand			740	784		

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(over)

* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			784	889		
Red Rock			889	892		
Slate			892	930		
Red Rock			930	935		
Slate			935	943		
Sand			943	954		
Slate			954	1060		
Sand			1060	1130		
Slate			1130	1210		
Sand			1210	1228		
Slate			1228	1290		
Sand			1290	1309		
Slate			1309	1409		
Sand			1409	1433		
Slate			1433	1508		
Sand			1508	1514		
Slate			1514	1590		
Sand			1590	1614		
Slate			1614	1630		
Sand			1630	1760		
Lime			1760	1835		
Big Lime			1835	1920		
Injun Sand			1920	2017		
Slate & Shell			2017	2109	T.D.	

01/12/2024

Date April 6, 1976

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION, Owner

By Tom Regdale
GEOLOGIST (Title)

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

RECEIVED

OCT 28 1975

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-677

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Ray Resources, Div of F.D.O.C.</u>	Size			
Address _____	16			Kind of Packer _____
Farm <u>Westvaco - Roberts</u>	13			
Well No. <u>One-560</u>	10			Size of _____
District <u>Spring Creek</u> County <u>Wirt</u>	8 1/4 <u>8 5/8</u>	<u>217</u>		
Drilling commenced <u>10-23-75</u>	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 <u>8 5/8</u> SIZE <u>217</u> No. FT. _____ Date _____ <u>Cem To Surface 85 Bps</u>			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Dawson</u>			
Fresh water <u>NONE</u> feet _____ feet	COAL WAS ENCOUNTERED AT <u>NONE</u> FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Kendall & Spring

Contr - Glenn L. Haught & Sons - Rotary - Air

Remarks:

Drlg - 984'

10-24-75

DATE

[Signature]
DISTRICT WELL INSPECTOR

01/12/2024



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

RECEIVED

MAR 27 1978

OIL & GAS DIVISION
DEPT. OF MINES
INSPECTOR'S WELL REPORT

Permit No. Wir 677

Oil or Gas Well _____
(KIND)

Company <u>Ray Resources Di of FDOC</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Address _____	Size		
Farm <u>Westvaco - Roberts</u>	16			
Well No. <u>560</u>	13			Size of _____
District <u>Spring Creek</u> County <u>Wirt</u>	10			
Drilling commenced _____	8 1/4			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 _____ 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			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

Rel-

3-22-78

DATE

01/12/2024

DISTRICT WELL INSPECTOR

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 _____

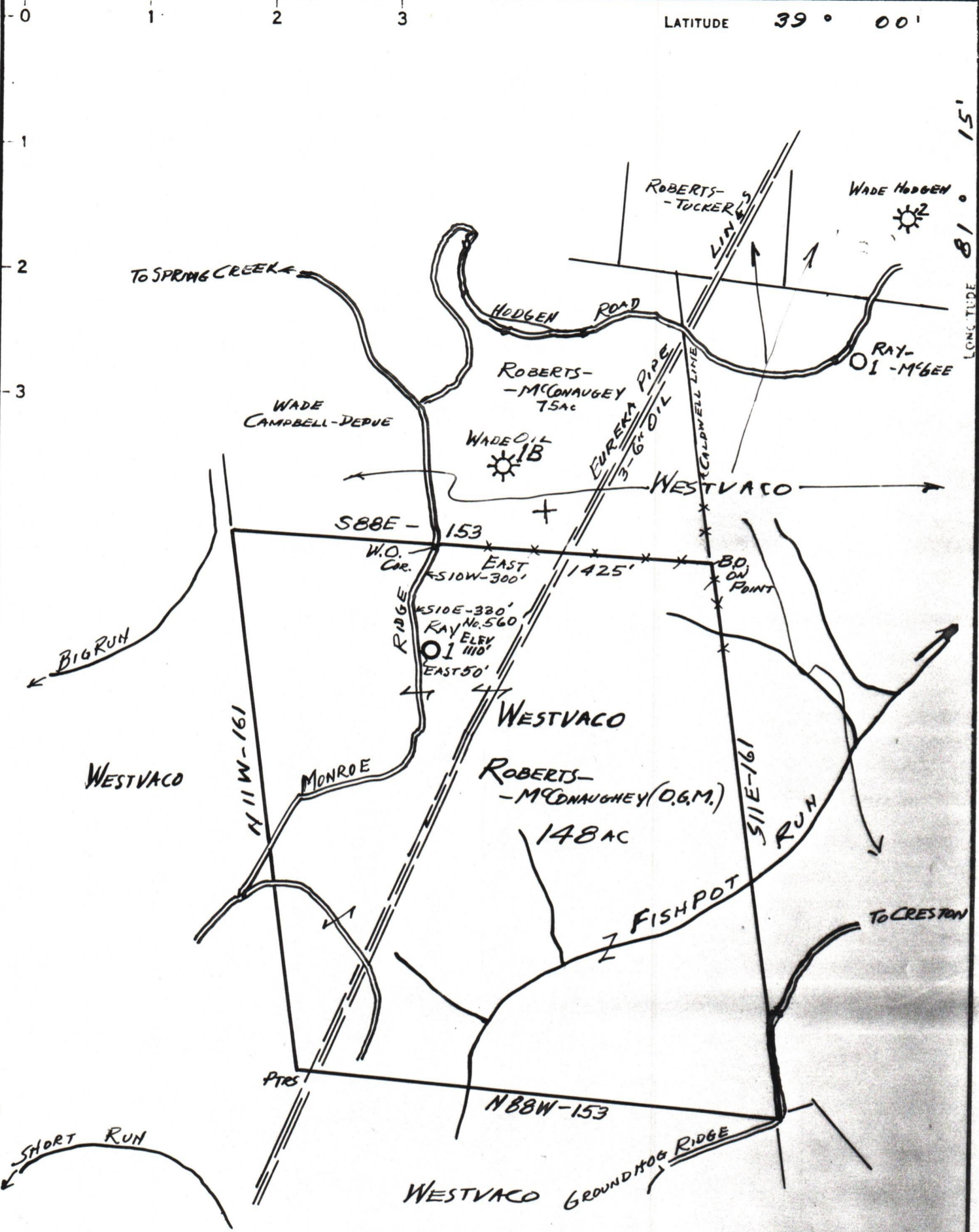
Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

01/12/2024
 DISTRICT WELL INSPECTOR

10,23,75 *RE*



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE
 "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 degree of accuracy is one part in 200

Signed Glen W. Roberts
RE. No. 860

COMPANY RAY RESOURCES-DIV. OF F.D.O. CORP.
 ADDRESS COMMERCE SQUARE, CHARLESTON, W. VA.
 FARM WESTVACO (SURE) ROBERTS-McDONAUGHEY (O.G.M.)
 MAP _____ ACRES 148 LEASE NO. _____
 WELL (FARM) NO. ONE SERIAL NO. 560
 ELEVATION (SPIRIT LEVEL) 1110 FT.
 QUADRANGLE SPENCER
 COUNTY WIRT DISTRICT SPRINGCREEK
 POINT OF PROVEN ELEVATION B.M.-1165 BY MONROE RIDGE RD.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION 01/12/2024
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. WIRT-677
 + 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. **47-105**
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

FILE NO. _____ DRAWING NO. _____
 DATE OCT. 21, 1975 SCALE 1 IN = 40 POLES

2050 *Jay Spurr*

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State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

September 1, 1976

JOHN ASHCRAFT
Director

ROBERT L. DODD
Deputy Director

Paul Goodnight
Smithville, W.Va.

PERMIT	WIRT-677
COMPANY	Ray Resources
FARM	Westvaco - Roberts
WELL NO	1-560
DISTRICT	Burning Springs
COUNTY	Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/ ch