



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 24 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

13

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

DATE October 23, 1975

Surface Owner Westvaco Corporation
Address New York, New York
Mineral Owner Glen W. Roberts
Address Box 92, Elizabeth, Wv 26143
Coal Owner None
Address -
Coal Operator None
Address -

Company Ray Resources, Div. F.D.O.C.
Address 630 Comm. SQ., Charleston, WV
Farm Roberts-Tucker Acres 20
Location (waters) Island Run
Well No. 630-561 Elevation 842'
District Spring Creek 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 2-24-76

Robert L. Ford
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Goodnight
Telephone: 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 7-1 1975 by Glen W. Roberts made to Ray Resources and recorded on the _____ day of _____ 19____, in Wirt County, Book _____ Page _____

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

Address
of
Well Operator

Very truly yours, Paul Goodnight
(Sign Name) _____
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.

**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: _____
 NAME Haught Brothers NAME Bill Endicott
 ADDRESS Smithville, WV ADDRESS Culloden, WV
 TELEPHONE (304) 477-2222 TELEPHONE (304) 743-9067
 ESTIMATED DEPTH OF COMPLETED WELL: 1900' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Squaw
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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	1900'	1900'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER 1500 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. 01/12/2024

For Coal Company

Official Title

BLANKET BOND

B-1



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD¹⁰

RECEIVED

SEP 1 1976

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Spencer
Permit No. WIRT - 678

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

RAY RESOURCES, DIVISION OF		Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Company <u>FLYING DIAMOND OIL CORPORATION</u>					
Address <u>630 Commerce Sq., Chas., WV 25301</u>					
Farm <u>Roberts - Tucker</u>	Acres <u>20</u>				
Location (waters) <u>Island Run</u>					
Well No. <u>561</u>	Elev. <u>842'</u>	Size <u>20-16</u>			
District <u>Spring Creek</u>	County <u>Wirt</u>	Cond. <u>13-10"</u>			
The surface of tract is owned in fee by <u>Westvaco Corporation</u>		<u>9 5/8</u>			
Address <u>New York, New York</u>		<u>8 5/8</u>	<u>219'</u>	<u>219'</u>	<u>To Surf</u>
Mineral rights are owned by <u>Glen W. Roberts</u>		<u>7</u>			
Address <u>Box 92, Elizabeth, WV 26143</u>		<u>5 1/2</u>			
Drilling Commenced <u>10-29-75</u>		<u>4 1/2</u>	<u>1790'</u>	<u>1790'</u>	<u>50 Sks.</u>
Drilling Completed <u>10-31-75</u>		<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.		<u>2 3/8</u>	<u>1855'</u>	<u>1855'</u>	
Final production <u>18 M</u> cu. ft. per day _____ bbls.		Liners Used			
Well open _____ hrs. before test <u>260</u> RP.					

Well treatment details:

Attach copy of cementing record.

Well frac'd with 500 Bbls. water, 24,000# 20/40 sand, 500 gal. HCl

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	10		
Sand			10	95		
Red Rock			95	100		
Sand			100	115		
Red Rock			115	133		
Sand			133	155		
Red Rock			155	195		
Sand			195	206		
Red Rock			206	224		
Sand			224	228		
Slate & Shale			228	324		
Red Rock			324	363		
Sand			363	370		
Red Rock			370	386		
Sand			386	402		
Red Rock			402	455		
Sand			455	482		
Slate & Shale			482	562		
Sand			562	590		
Slate & Shale			590	691		
Sand			691	712		
Slate & Shale			712	752		
Sand			752	778		

01/12/2024

(over)

* Indicates Electric Log tops in the remarks section.

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Formation	Color	Hard or Soft	Top Feet 10	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			778	797		
Sand			797	832		
Shale			832	887		
Sand			887	898		
Shale			898	927		
Sand			927	984		
Shale			984	988		
Sand			988	998		
Red Rock			998	1005		
Sand			1005	1146		
Shale			1146	1241		
Sand			1241	1261		
Shale			1261	1296		
Red Rock			1296	1309		
Shale			1309	1325		
Sand			1325	1390		
Slate			1390	1396		
Sand			1396	1500		
Big Lime			1500	1681		
Slate & Shale			1681	1803		
			1803		T.D.	

01/12/2024

Date April 6, 1976

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

By Tom Loydale
GEOLOGIST (Title)

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OG-11

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

RECEIVED

OCT 29 1975

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-678

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>Roberts - Tucker</u>	16			Kind of Packer _____
Well No. <u>561</u>	13			
District <u>Spring Creek</u> County <u>Wirt</u>	10			Size of _____
Drilling commenced <u>10-27-75</u>	8 1/4			
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 _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Spring

Remarks: Contr - Glenn L. Haight & Sons Rotary - Air

Permit - O.K

Water Res Notified

10-27-75
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

OCT 30 1975

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-678

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>Roberts - Tucker</u>	16			Kind of Packer _____
Well No. <u>561</u>	13			
District <u>Spring Creek</u> County <u>Wirt</u>	10			Size of _____
Drilling commenced <u>10-27-75</u>	8 1/4 <u>8 5/8</u>	<u>216</u>		Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
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>216</u> No. FT. <u>10-25-75</u> Date			
Fresh water <u>40'</u> feet _____ feet	<u>Cem to Surface 85 Bap</u>			
Salt water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Lawsed</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Spring
Coals - Glenn L. Haught & Sons - Rotary - Air

Remarks:

SURFACE CASING

10-28-75

DATE

[Signature] 01/12/2024

DISTRICT WELL INSPECTOR

75

75

75

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

RECEIVED

MAY 12 1978

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WV-678

Oil or Gas Well _____
(KIND)

Company <u>Ray Resources Div of F.D.C.</u> Address _____ Farm <u>Roberts-Tucker</u> Well No. <u>561</u> District <u>Spring Creek</u> County <u>Wirt</u> Drilling commenced _____ Drilling completed _____ Total depth _____ Date shot _____ Depth of shot _____ Initial open flow _____ /10ths Water in _____ Inch Open flow after tubing _____ /10ths Merc. in _____ Inch Volume _____ Cu. Ft. Rock pressure _____ lbs. _____ hrs. Oil _____ bbls., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			
	16			Kind of Packer _____
	13			
	10			Size of _____
	8 1/4			
	6 5/8			Depth set _____
	5 3/16			
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used			Perf. top _____	
			Perf. bottom _____	

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks:

Ret-

5-11-78

DATE

[Signature] 01/12/2024
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

May 12, 1978

Ray Resources
Division of Flying Diamond Oil Corp.
630 Commerce Square
Charleston, W.Va. 25301

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-672 - Westvaco-Wilson # 1-547 - Burning Springs District
WIRT-673 - Hall - Roberts # 1-546 - Burning Springs District
WIRT-675 - Summers - Lee # 1-544 - Burning Springs District
WIRT-676 - McConaughey - Roberts # 1-R-545 - Burning Springs District
WIRT-678 - Roberts - Tucker # 561 - Spring Creek District
WIRT-684 - Cabot - Balderson # 576 - Reedy District
WIRT-704 - J.W. McCoy # 2-726 - Reedy District
WIRT-707 - Gilbert Chevront # 1-728 - Elizabeth District
WIRT-708 - C. Rowand # 4-689 - Reedy 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."

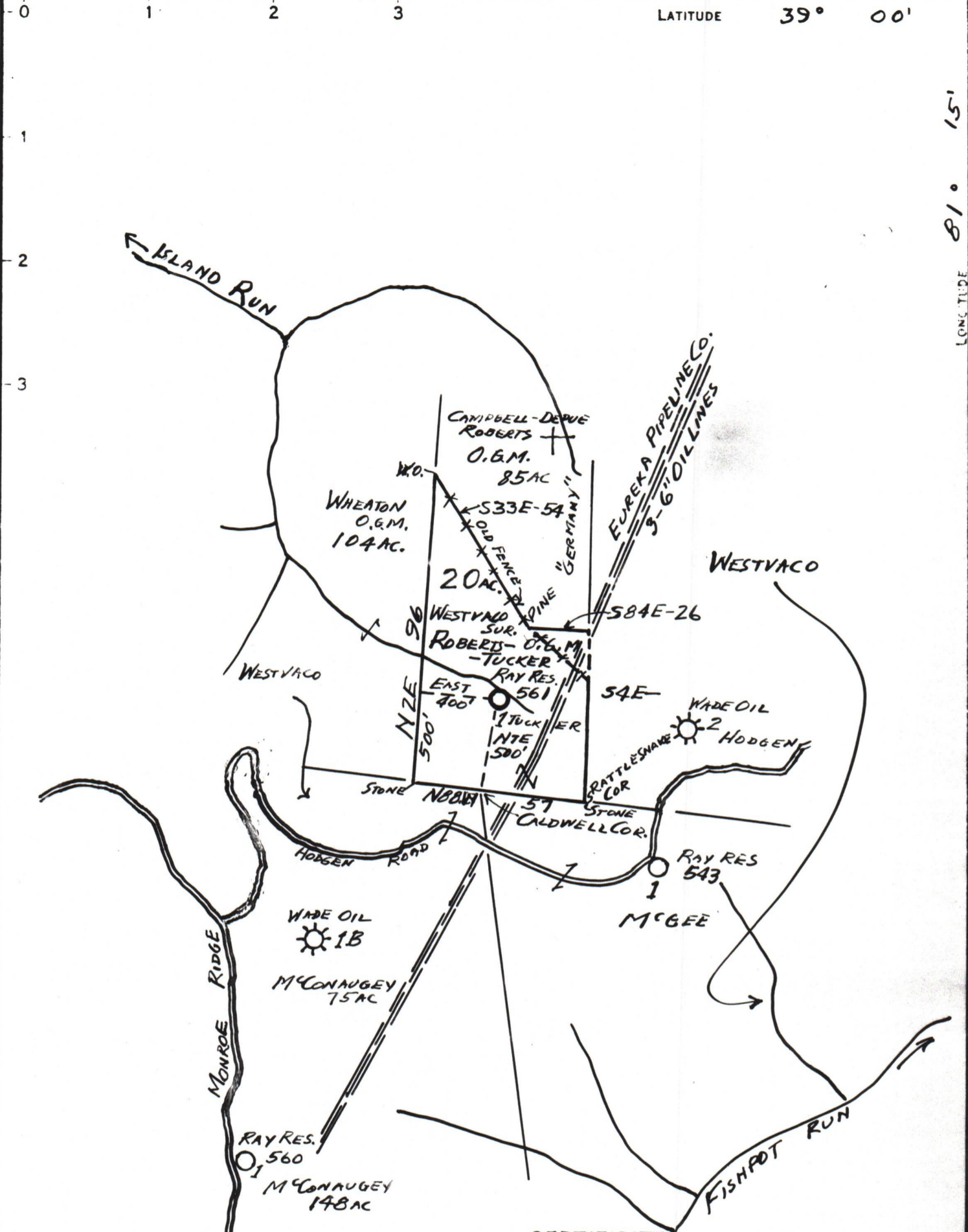
Very truly yours,

Robert L. Dodd, Deputy Director
Oil and Gas Division

RLD/chm

01/12/2024

10,24,75 RE



LATITUDE 39° 00'

LONGITUDE 81° 15'

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"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
 RE860

COMPANY RAY RESOURCES DIV. OF F. D. CORP.
 ADDRESS COMMERCE SQUARE-CHARLESTON, W. VA.
 FARM WESTVACO (SUR.) ROBERTS-TUCKER (O.G.M.)
 MAP _____ ACRES 20 LEASE NO. _____
 WELL (FARM) NO. 117 SERIAL NO. 561
 ELEVATION (SPIRIT LEVEL) 842 FT.
 QUADRANGLE SPENCER
 COUNTY WIRT DISTRICT SPRING CREEK
 POINT OF PROVEN ELEVATION B.M. 1165 ON MONROE RIDGE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON 01/12/2024
 WELL LOCATION MAP
 FILE NO. WIR-678 G

FILE NO. _____ DRAWING NO. _____
 DATE OCT. 23, 1975 SCALE 1 IN = 40 POLES

+ 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.

1900 Square