



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAY 25 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.

DATE April 27, 1976

Surface Owner Mark Cheaney

Company RAY RESOURCES, DIVISION OF
FLYING DIAMOND OIL CORPORATION

Address Elizabeth, W. Va.

Address 630 Commerce Square., Chas., WV 25301

Mineral Owner Bina Delaney

Farm Bina Delaney Acres 100

Address Petroleum, W. Va.

Location (waters) Stoney Hollow

Coal Owner _____

Well No. 598 (1) Elevation 862'

Address _____

District Burning Springs County Wirt

Coal Operator _____

Quadrangle Elizabeth

Address _____

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 9-25-76

Robert L. Todd
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 Assignment dated July 15, 1975 by Glen W. Roberts made to Ray Resources and recorded on the _____ day of _____ 19____, in _____ 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

Very truly yours, Tom Logsdale
(Sign Name) _____
Well Operator

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

Win-688 PERMIT NUMBER

47-105

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 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: 2010' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Squaw
 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 11 3/4"	30'	30'	To Surf
9 - 5/8			
8 - 5/8	300'	300'	To Surf
7			
5 1/2			
4 1/2	2010'	2010'	50 Sks.
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



RECEIVED

OCT 14 1976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORDS

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Elizabeth

Permit No. WIRT-688

RAY RESOURCES, DIVISION OF

Company FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Sq., Chas., WV 25301
Farm Bina Delaney Acres 100
Location (waters) Stoney Hollow
Well No. 598 Elev. 862'
District Burning Springs County Wirt
The surface of tract is owned in fee by Mark Cheaney
Address Elizabeth, W. Va.
Mineral rights are owned by Bina Delaney
Petroleum, W. Va.
Drilling Commenced 5-29-76
Drilling Completed 6-1-76
Initial open flow _____ cu. ft. show _____ bbls.
Final production 78 M cu. ft. per day 4 bbls./day
Well open _____ hrs. before test 430# 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	300'	300'	To Surf.
7			
5 1/2			
4 1/2	2039'	2039'	75 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

well was frac'd with 500 Gal. acid; 543 Bbls. oil; 24,000# sand

Average treating pressure - 3000#

Average injection rate - 19.1 Bbls per minute

Coal was encountered at _____ Feet _____ Inches

Fresh water _____ Feet _____ Salt Water _____ Feet _____

Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			316	330		
Red Rock			330	355		
Sand			355	382		
Red Rock			382	395		
Sand			395	420		
Red Rock			420	435		
Sand			435	448		
Slate			448	516		
Sand			516	532		
Slate			532	640		
Sand			640	650		
Shale			650	682		
Red Shale			682	700		
Shale			700	731		
Sand			731	742		
Shale			742	785		
Red Shale			785	866		
Sand			866	905		
Shale			905	927		
Sand			927	950		
Shale			950	967		
Sand			967	976		
Shale			976	1080		
Sand			1080	1114		

01/12/2024

(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 & Shale			1114	1120		
Sand			1120	1184		
Shale			1184	1252		
Sand			1252	1264		
Shale			1264	1356		
Sand			1356	1402		
Shale			1402	1423		
Red Rock			1423	1427		
Shale			1427	1550		
Sand			1550	1597		
Slate			1597	1608		
Sand			1608	1632		
Slate			1632	1680		
Sand			1680	1715		
Lime			1715	1835		
Sand			1835	1918		
Shale			1918	2047		
				2047	T.D.	

01/12/2024

Date October 11, 19 76

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION Owner

By Tom Rogsdale
Geologist (Title)

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

RECEIVED

JUN 3 1976

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir 688

Oil or Gas Well _____
(KIND)

Company <u>Ray Resources Div OF F.D.O.C</u> Address _____ Farm <u>Bina Delaney</u> Well No. <u>598</u> District <u>Burning Springs County Wirt</u> Drilling commenced <u>5-29-76</u> Drilling completed <u>6-1-76</u> Total depth <u>2047</u> 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			Kind of Packer _____
	16			Size of _____
	13			Depth set _____
	10			Perf. top _____
	8 1/4 <u>8 5/8</u>	<u>300</u>		Perf. bottom _____
	6 5/8			Perf. top _____
	5 3/16			Perf. bottom _____
	3			Perf. top _____
	2			Perf. bottom _____
	Liners Used _____			Perf. top _____
				Perf. bottom _____
	CASING CEMENTED <u>8 5/8</u> SIZE <u>300</u> No. FT. _____ Date _____ <u>Cem to Superior 95 B92</u> NAME OF SERVICE COMPANY <u>LAWSON</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Randall - Haddock

Remarks: Cont Glenn L. Haught & Sons Rotary - Air

Coming Out Hole to Log - Basin Surveys Inc

6-1-76
DATE

B. P. Hurlburt
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

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State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25305

October 15, 1976

JOHN ASHCRAFT
Director

ROBERT L. DODD
Deputy Director

Paul Goodnight
Smithville, W.Va.

PERMIT	WIRT-688
COMPANY	Ray Resources
FARM	Bina Delaney
WELL NO	598
DISTRICT	Burning Springs
COUNTY	Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/ chm



State of New York
Department of State
Division of International Affairs
New York, New York

STATE OF NEW YORK
DEPARTMENT OF STATE

STATE OF NEW YORK
DEPARTMENT OF STATE

STATE OF NEW YORK
DEPARTMENT OF STATE
DIVISION OF INTERNATIONAL AFFAIRS
NEW YORK, NEW YORK

STATE OF NEW YORK
DEPARTMENT OF STATE
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NEW YORK, NEW YORK

STATE OF NEW YORK
DEPARTMENT OF STATE
DIVISION OF INTERNATIONAL AFFAIRS
NEW YORK, NEW YORK

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

RECEIVED
MAY 19 1978

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-688

Oil or Gas Well _____
(KIND)

Company Ray Resources Div of F.D.O.C

Address _____

Farm Bina Belaney

Well No. 598

District Burning Springs County Wirt

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-

5-17-78

DATE

[Signature] 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



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

May 22, 1978

Ray Resources
Division of F.D.O.C.
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-686 - Cabot (Charles Morgan) # 1-582 - Reedy District
WIRT-688 - Bina Delaney (Mark Cheaney) # 1-598 - Burning Springs District
WIRT-689 - McConaughy-Roberts (Westvaco) # 1-596- Burning Springs District
WIRT-692 - C. Rowand # 594 - Reedy District
WIRT-695 - Dustin Enoch # 693 - Reedy District
WIRT- 700 - C. Rowand (Cabot) # 2-721 - 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."

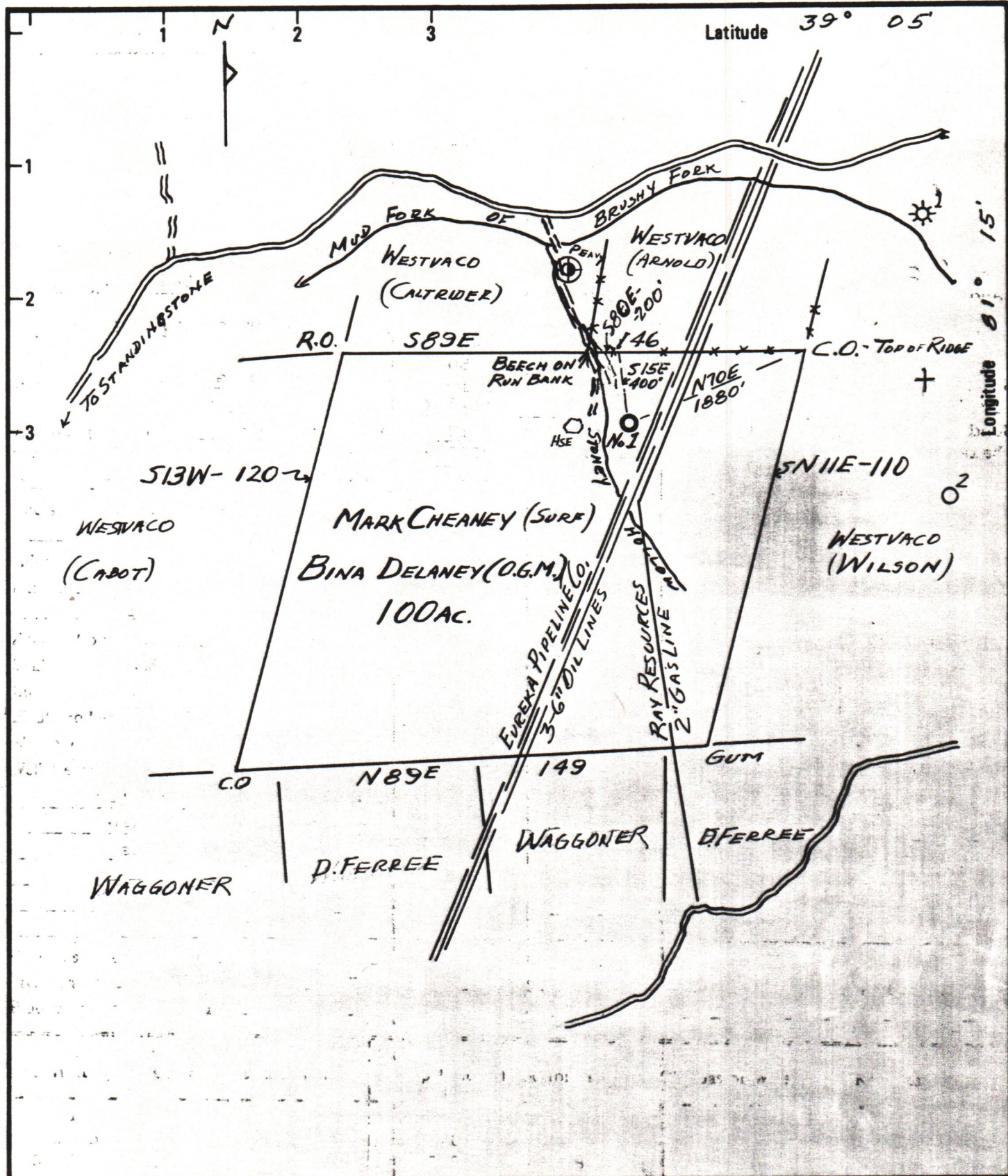
Very truly yours,

Robert L. Dodd, Deputy Director
Oil and Gas Division

RLD/cc

01/12/2024

5,25,76E



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure: 1 IN 200
 Source of Elevation: DAWSON HOLLOW RD. FGS. ON BRUSHY FK = 794 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. FDOC
 Address 630 COMMERCE SQ. CHARLESTON, W.VA.
 Farm MARK CHEANEY (SUR) BINA DELANEY (O.G.M.)
 Tract 100 Acres Lease No. 1399
 Well (Farm) No. ONE Serial No. 598
 Elevation (Spirit Level) 862 FT.
 Quadrangle ELIZABETH
 County WIRT District BURNING SPRINGS
 Engineer Glen Roberts
 Engineer's Registration No. 860
 File No. _____ Drawing No. _____
 Date APR. 17, 1976 Scale 1 IN = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. WIR-688
 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

2010' Squaw