



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 30 1976

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

R

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 29, 1976

Surface Owner C. Rowand

Company RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION

Address _____

Address 630 Commerce Sq., Chas., WV 25301

Mineral Owner Cabot Corporation

Farm C. Rowand (Cabot) Acres 100 3/4

Address Charleston, W. Va.

Location (waters) Rowands Run

Coal Owner _____

Well No. 721 (2) Elevation 1026'

Address _____

District Reedy County Wirt

Coal Operator _____

Quadrangle Ripley

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 11-30-76

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, W. Va. 26178

PHONE 477-2455

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 Assignment dated September 2, 1975 by Seneca Oil Company 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.

Very truly yours, RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION

(Sign Name) [Signature]
Well Operator

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

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 - 700 PERMIT NUMBER

47-105

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 F. W. A. Drilling Inc. NAME Bill Endicott
 ADDRESS Elkview, W. Va. ADDRESS Box 234, Culloden, W. Va.
 TELEPHONE 965-3379 TELEPHONE 743-9067
 ESTIMATED DEPTH OF COMPLETED WELL: 2770' ROTARY XXX 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 11 3/4"	30'	30'	To Surf
9 - 5/8			
8 - 5/8	250'	250'	To Surf
7			
5 1/2			
4 1/2	2770'	2770'	75 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 75' FEET _____ SALT WATER _____ 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 2 of the 1924 Virginia Code. 01/12/2024

For Coal Company

Official Title

B-2



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JAN 11 1977

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

OIL & GAS DIVISION
DEPT. OF MINES

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

Quadrangle Ripley

Permit No. WIR-700

~~RAY RESOURCES, DIVISION OF~~
Company FLYING DIAMOND OIL CORPORATION
Address 630 Commerce Sq., Chas., WV 25301
Farm C. Rowand (Cabot) Acres 100-3/4
Location (waters) Rowands Run
Well No. 721 (2) Elev. 1026'
District Reedy County Wirt
The surface of tract is owned in fee by C. Rowand
Address _____
Mineral rights are owned by Cabot Corporation
Address Charleston, W. Va.
Drilling Commenced 8-8-76
Drilling Completed 8-13-76
Initial open flow Show cu. ft. Show bbls.
Final production 152 M cu. ft. per day 10 bbls./day
Well open _____ hrs. before test 600 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	216'	216'	To Surf.
7			
5 1/2			
4 1/2	2727'	2727'	100 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well was frac'd with 503 Bbls. oil, 36,000# sand and 250 gal. acid.

Average treating pressure - 2033#

Average injection rate - 25.8 Bbls. per minute

Perforated hole with 16 holes from 2649-2651'

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
Sub			0	8		
Red Rock & Shale			8	1650		
Salt Sand			1650	2000		
Lime			2000	2265		
Injun			2265	2300		
Shale			2300	2644		
Berea			2644	2649		
Shale			2649	2770		
				2770	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 October 11, _____, 19 76

APPROVED RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION Owner

By *Tom Ragsdale*
Geologist (Title)

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

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AUG 11 1976

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. WV-700

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>C. Rowands</u>	16			Kind of Packer _____
Well No. <u>721</u>	13			
District <u>Reedy</u> County <u>Wirt</u>	10			Size of _____
Drilling commenced <u>8-8-76</u>	8 3/4 <u>8 5/8</u> <u>208</u>			Depth set _____
Drilling completed _____ Total depth _____	6 3/4			
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>208</u> No. FT. _____ Date _____ <u>Came to surface 100 Bpd</u>			
Oil _____ bbls., 1st 24 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 - Osborne
Contr - F.W.A. Drilling Co. Rotary - Fluid

Remarks:
Drlg - 1350'

8-9-76
DATE

K.P. Goodnight
DISTRICT WELL INSPECTOR

DATE

K.P. Goodnight 04/12/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

100
52

100
52

100
52

01/12/2024

B-11

RECEIVED

MAY 19 1978

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

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S PLUGGING REPORT

Permit No. Wir - 700

Well No. 2-721

COMPANY Ray Resources ADDRESS _____

FARM C Rowand (Cabot) DISTRICT Reedy COUNTY Wirt-700

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: _____

Rel-

5-17-78 I hereby certify I visited the above well on this date.

DATE

Albert J. ... 04/12/2024
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. _____

Oil or Gas Well _____
(KIND)

	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company _____	Size			Kind of Packer _____
Address _____	16			
Farm _____	13			Size of _____
Well No. _____	10			
District _____ County _____	8 1/4			Depth set _____
Drilling commenced _____	6 5/8			
Drilling completed _____ Total depth _____	5 3/16			Perf. top _____
Date shot _____ Depth of shot _____	3			
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			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks:

DATE

01/12/2024

DISTRICT WELL INSPECTOR

B-12



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,

A handwritten signature in cursive script, appearing to read "Robert L. Dodd".

Robert L. Dodd, Deputy Director
Oil and Gas Division

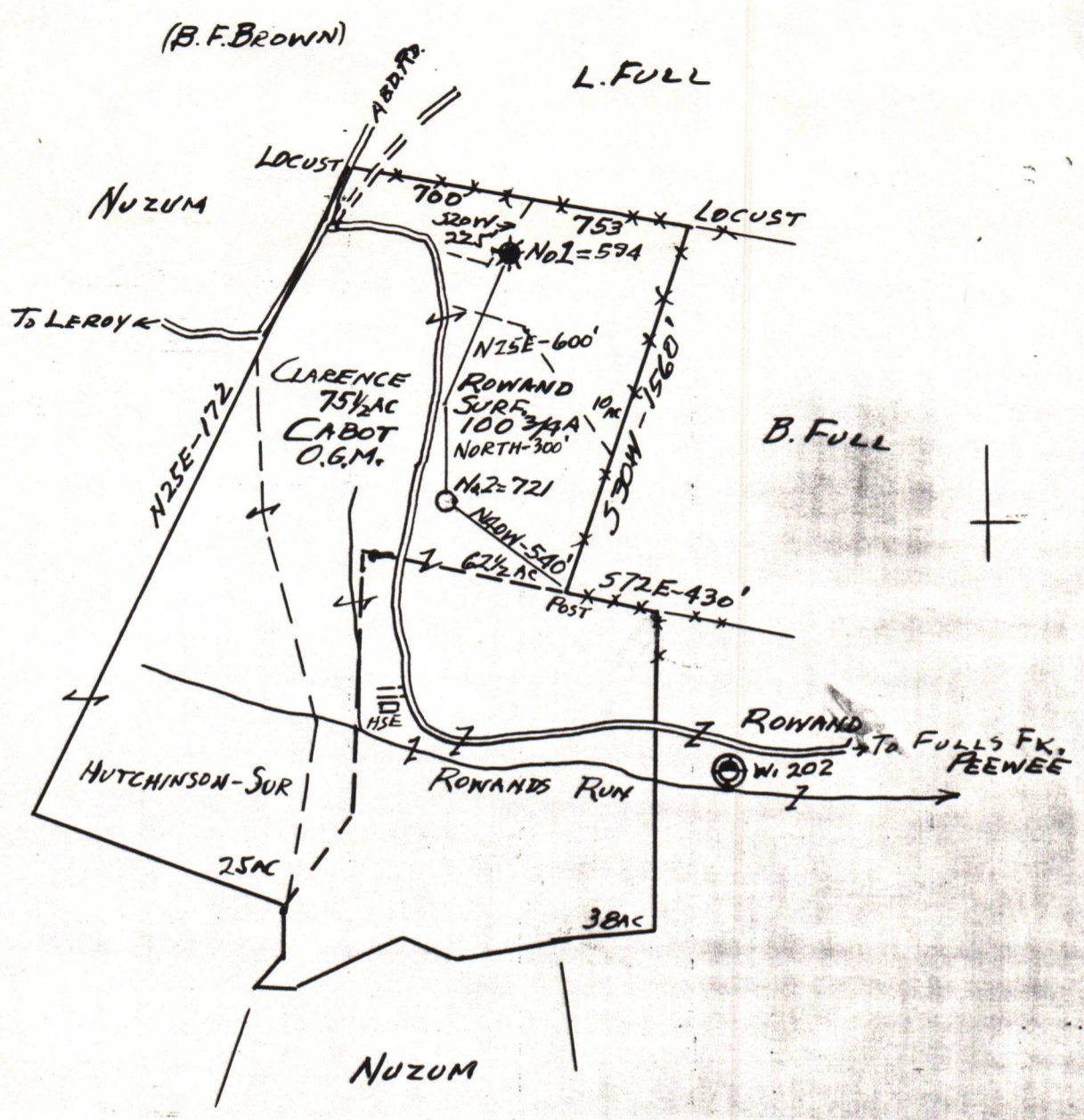
RLD/cc

01/12/2024

7,30,76 R

Latitude 39° 00'

Longitude 81° 30'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation CABOT ON ROWAND W. 202 = 790 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 CLARENCE ROWAND (SUR) CABOT (O.G.M.)
 Tract _____ Acres 100 3/4 Lease No. _____
 Well (Farm) No. TWO Serial No. 721
 Elevation (Spirit Level) 1026 FT.
 Quadrangle RIPLEY
 County WIRT District REEDY
 Engineer Glenn W. Roberts
 Engineer's Registration No. 860
 File No. _____ Drawing No. _____
 Date JULY 29 1976 Scale 1 IN = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. WIR-700 084
 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

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State of West Virginia

Department of Mines
Oil and Gas Division
Charleston 25305

January 13, 1977

JOHN ASHCRAFT
Director

ROBERT L. DODD
Deputy Director

Paul Goodnight
Smithville, W.Va.

PERMIT	WIRT-700
COMPANY	Ray Resources
FARM	C. Rowand (Cabot)
WELL NO	721 (2)
DISTRICT	Reedy
COUNTY	Wirt

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Robert L. Dodd

RLD/ chm

01/12/2024

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

RECEIVED

JUL - 7 1977

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir-700

Oil or Gas Well _____
(KIND)

Company <u>Ray Resource Div of F.D.O.C</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>C. Rowand</u>	16			Kind of Packer _____
Well No. <u>721</u>	18			
District <u>Reedy</u> County <u>Wirt</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			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 _____

Remarks:

Hold - not Reclaimed - Operator notified

6-30-77

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