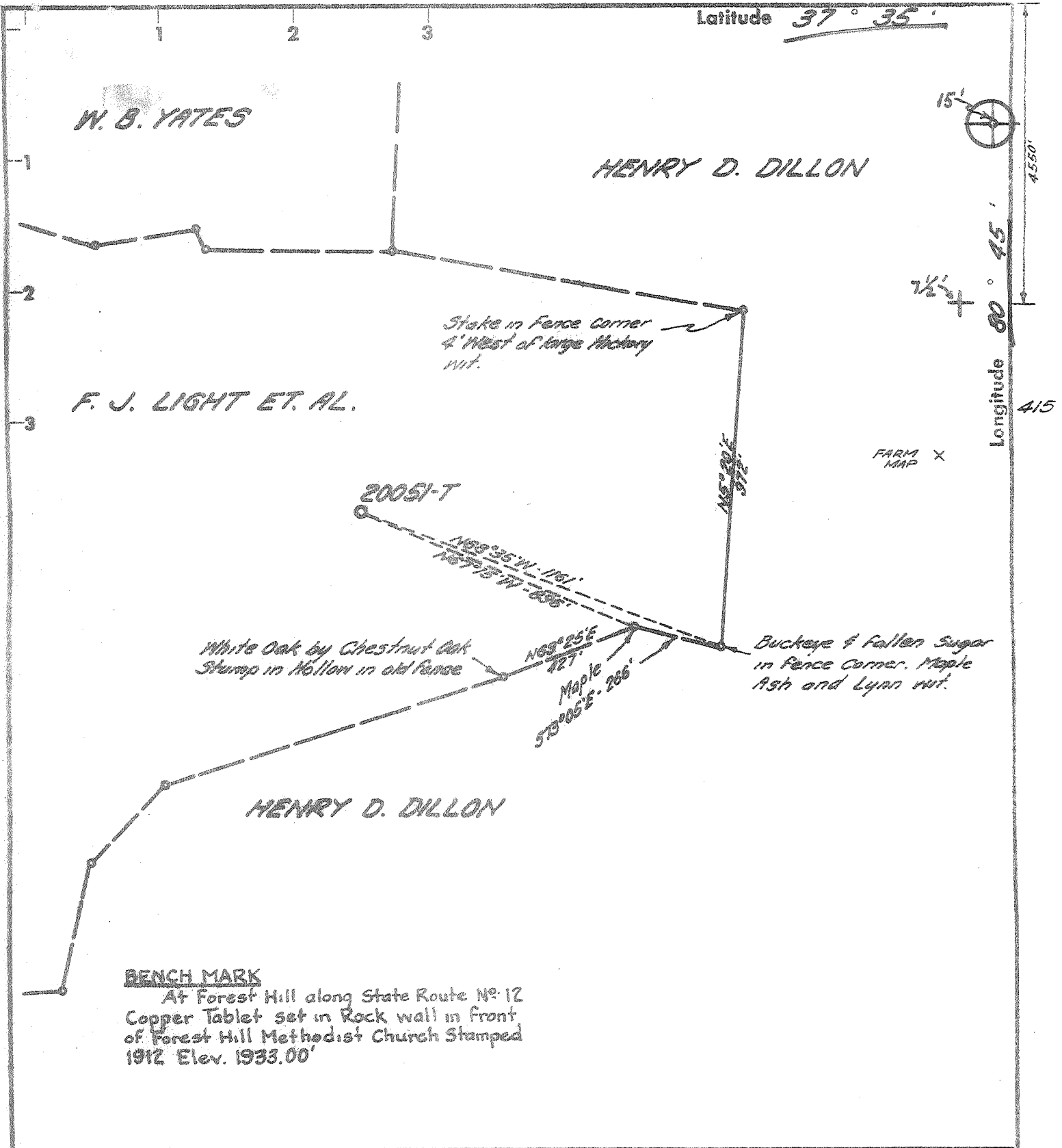


Latitude ¹⁰⁸ 37° 35'



- Fracture Before 6/5/29
- New location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company GEORGIA GAS TRANSMISSION CORP.

Address CHARLESTON, W. VA.

Farm F. J. LIGHT ET. AL.

Tract _____ Acres 118 Lease No. 172494 FTAL.

Well (Farm) No. _____ Serial No. 20051-T

Elevation (Spirit Level) 1918.69'

Quadrangle FOREST HILL-7 1/2' (BIG BAND-15)

County MONROE District SPRINGFIELD

Engineer William E. [Signature]

Engineer's Registration No. 2330

File No. 108-415 Drawing No. _____

Date 4-2-74 Scale 1" = 400'

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

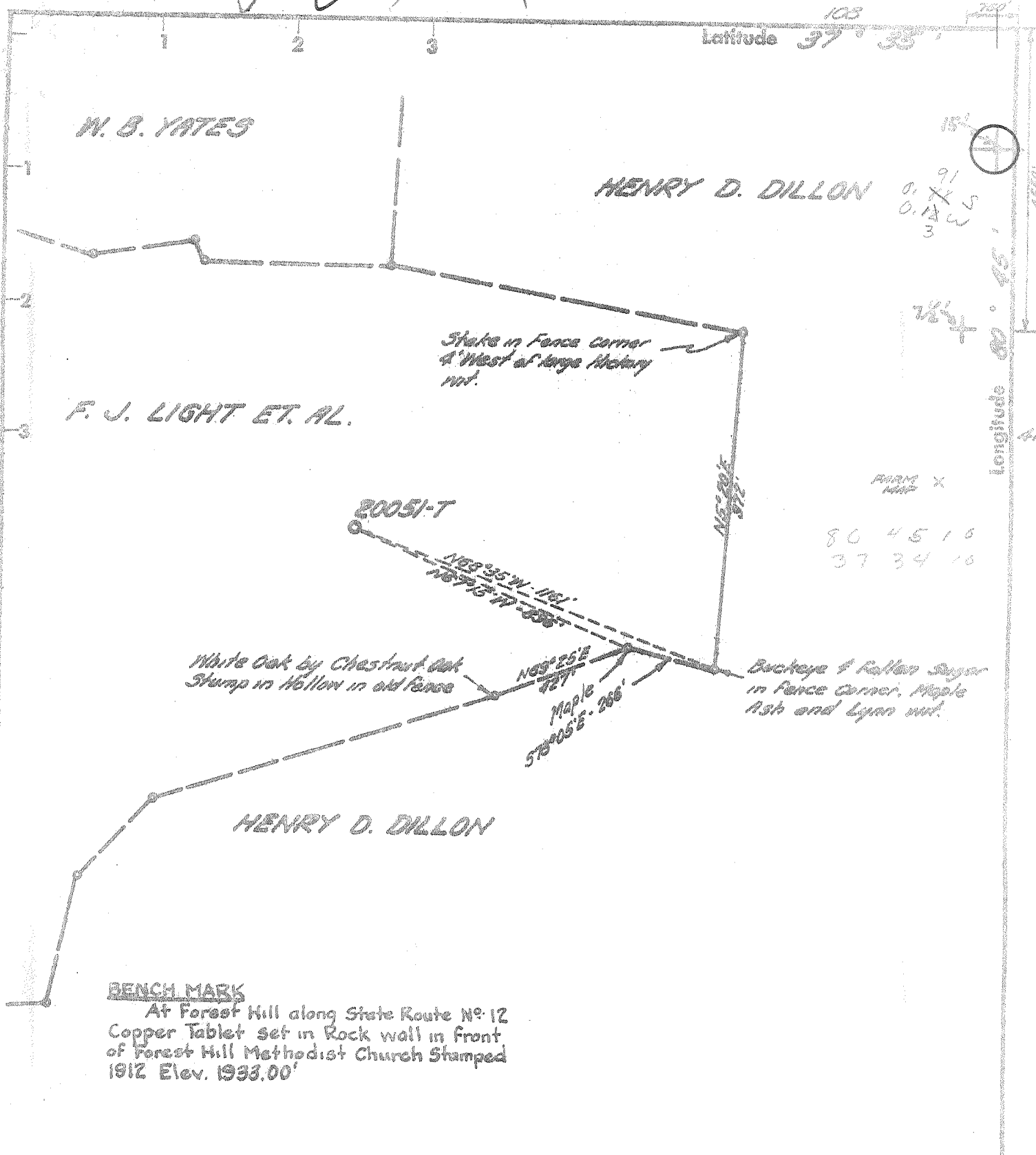
WELL LOCATION MAP
FILE NO. MONROE-6-P

Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47 063

Latitude $37^{\circ} 38'$
 Longitude $80^{\circ} 45'$



- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- 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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

COLUMBIA GAS TRANSMISSION CORP.

Company TRANSMISSION CORP.

Address CHARLESTON, W. VA.

Farm F. J. LIGHT ET. AL.

Tract _____ Acres 118 Lease No. 172434 ETAL.

Well (Farm) No. _____ Serial No. 20051-T

Elevation (Spirit Level) 1918.69' SE

Quadrangle FOREST HILL-TK BIG BEND-15'

County MONROE District SPRINGFIELD

Engineer William E. Haugman

Engineer's Registration No. 2330

File No. 108-415 Drawing No. _____

Date 4-2-74 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. MONROE-6

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47 063



PROJECT 10/15/74

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well **DRY**

Quadrangle Monroe
Permit No. MONROE-6

WELL RECORD

Company Columbia Gas Trans. Corp.
Address Charleston, W. Va. 25325
Farm F.J. Fields, et al Acres 118
Location (waters) Indian Creek
Well No. 20051-T Elev. 1918.69'
District Springfield County Monroe
The surface of tract is owned in fee by F.J. Fields
Address Ballard, W. Va.
Mineral rights are owned by F.J. Fields
Address Ballard, W. Va.
Drilling commenced May 1, 1974
Drilling completed May 11, 1974
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			
13 3/8"	39'	39'	Kind of Packer
10			Size of
9-5/8"	610'	610'	Depth set
6 5/8"			Perf. top
5 3/16"			Perf. bottom
3			Perf. top
2			Perf. bottom
Liners Used			
13-3/8" 39'			
CASING CEMENTED 9-5/8" SIZE 610'			No. Ft. 5-3-74 Date
COAL WAS ENCOUNTERED AT FEET INCHES			
FEET INCHES FEET INCHES			
FEET INCHES FEET INCHES			

RESULT AFTER TREATMENT Well Plugged and Abandoned - Not Treated
ROCK PRESSURE AFTER TREATMENT
Fresh Water 250', 570', 779' Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
ay & Shale			0	23			
nd			23	90			
ale			90	160			
nd, Shale & R. Rock			160	206			
nd			206	226			
d Rock			226	244			
nd & R. Rock			244	333			
dy Shale			333	420	Water @ 250'	1919	
ale			420	476		1368	
me & Shale			476	525		4551	
Rock & Shale			525	569	Water @ 570'		
me			569	658			
ale			658	879	Water @ 779'		
me			879	1090			
ale			1090	1226			
me & Shale			1226	1305			
me			1305	1320			
me & Shale			1320	1368			
me			1368	1932			
ale			1932	1947			
me			1947	2563			
jun			2563	2614			
d Shale & Sand			2614	2773			
nd (Weir)			2773	2899			
ale			2899	2982			
nd (Weir)			2982	3188			
ale <u>Pocahontas</u>			3188	3638			
al Depth			3638'				

(over)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
APR 25 1974
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE April 25, 1974

Surface Owner F. J. Light

Company Columbia Gas Transmission Corporation

Address Rt. 1, Box 80, Ballard, WV 24918

Address P.O. Box 1273, Charleston, WV 25325

Mineral Owner Same as above

Farm F. J. Light #1 Acres 118

Address _____

Location (waters) Lowell Br/ Indian Creek / New River

Coal Owner Same as above

Well No. 20051-T Elevation 1,918.69'

Address (Coal not leased)

District Springfield County Monroe

Coal Operator Not operated

Quadrangle Forest Hill, W.Va. 7 1/2' Big Bend 15'

Address _____

THIS PERMIT IS TO 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 8-25-74

Robert L. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Arthur St. Clair
Brenton, W.Va. PH: 732-6227

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 September 26 1973 by F.J. & Leta Pearl Light made to Columbia Gas Transmission Corp and recorded on the 28th day of November 1973 in Monroe County, Book 9 Page 227

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 25th day April 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, COLUMBIA GAS TRANSMISSION CORPORATION

(Sign Name) [Signature]
Director, Exploration & Development

P. O. Box 1273
Street

Charleston
City or Town

West Virginia 25325
State

Address
of
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 379
Morgantown, W. Va. 26505
AO 504-296-4461

*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

MONROE-6 PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Ray Resources Corporation NAME E. G. Foster
 ADDRESS Commerce Square ADDRESS P.O. Box 528, Hamlin, WV 25523
 TELEPHONE (304)344-8393 TELEPHONE (304)824-7245
 ESTIMATED DEPTH OF COMPLETED WELL: 3,300' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL _____ GAS 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 - XB 5/8	30'	30'	Surface
9 - 5/8	400'	400'	Surface
8 - 5/8			
7	2,300'	2,300'	200 feet
5 1/2			
4 1/2	3,300'	3,300'	1,000 feet
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS -- FEET -- SALT WATER FEET 1230, 1570, 1880
 APPROXIMATE COAL DEPTHS -- FEET --
 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