

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure **ONE PART IN 200**  
 Source of Elevation **C.G.S.C WELL 11971-A - ELEV. 949**

"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."

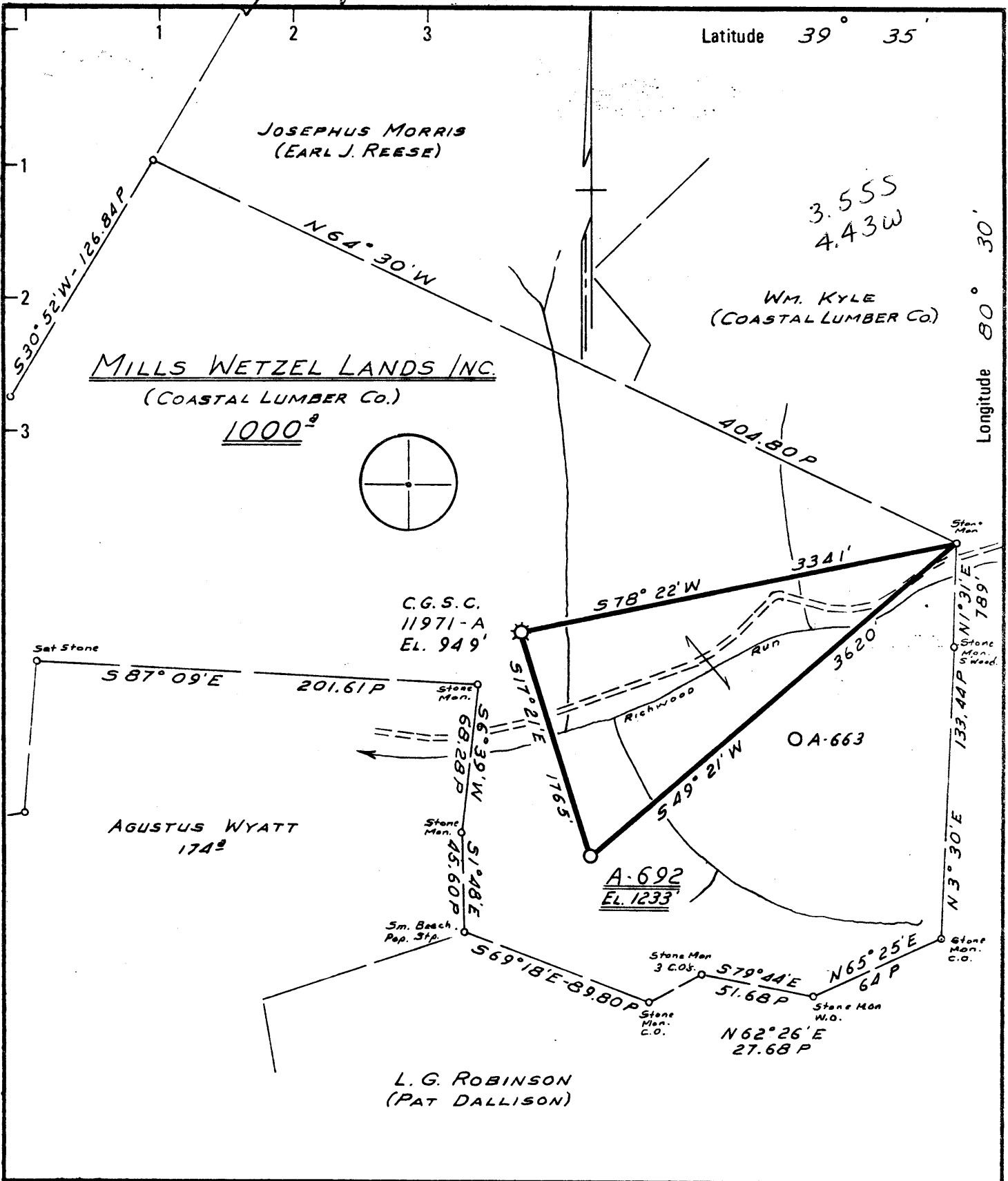
Company ALLEGHENY LAND & MINERAL CO.  
 Address CLARKSBURG, W. VA. 26301  
 Farm COASTAL LUMBER CO. MILLS WETZEL LANDS INC.  
 Tract \_\_\_\_\_ Acres 1000 Lease No. 81251  
 Well (Farm) No. \_\_\_\_\_ Serial No. A. 692  
 Elevation (Spirit Level) 1233  
 Quadrangle LITTLETON SE  
 County WETZEL District GRANT  
 Engineer [Signature]  
 Engineer's Registration No. 530 E.L.S.  
 File No. 134 Drawing No. \_\_\_\_\_  
 Date 6-24-77 Scale 1" = 1000'

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

**WELL LOCATION MAP**  
 FILE NO. WET-1151  
 FORMERLY WET-622

+ 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.

**47-103 NOV 21 1978**



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure **ONE PART IN 200**  
 Source of Elevation **C.G.S.C. WELL 11971-A - ELEV. 949'**

"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 ALLEGHENY LAND & MINERAL CO.  
 Address CLARKSBURG, W. VA. 26301  
 Farm COASTAL LUMBER CO. MILLS WETZEL LANDS INC.  
 Tract \_\_\_\_\_ Acres 1000 Lease No. 81251  
 Well (Farm) No. \_\_\_\_\_ Serial No. A-692  
 Elevation (Spirit Level) 1233'  
 Quadrangle LITTLETON SE  
 County WETZEL District GRANT  
 Engineer Harold S. Neal  
 Engineer's Registration No. 530 L.L.S.  
 File No. 134 Drawing No. \_\_\_\_\_  
 Date 6-24-77 Scale 1" = 1000'

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

**WELL LOCATION MAP**  
 FILE NO. WET-622  
 W.O. Wet-1151

+ 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.

**47-103**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle LITTLETON

Permit No. WET-1151

Rotary x Oil Shov  
Cable \_\_\_\_\_ Gas x  
Recycling \_\_\_\_\_ Comb. x  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Allegheny Land & Mineral Co.  
Address Box 1740, Clarksburg, WV  
Farm Mills-Wetzel Acres 1000  
Location (waters) Richwood Run  
Well No. A-692 Elev. 1233'  
District Grant County Wetzel  
The surface of tract is owned in fee by \_\_\_\_\_  
Coastal Lumber Company  
Address Box 8, Dailey, WV 26259  
Mineral rights are owned by Mills-Wetzel Lands  
Elston Bank & Trust  
Address Crawfordsville, Ind.  
Drilling Commenced November 7, 1978  
Drilling Completed November 27, 1978  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>12-19 1/2 - 3/4"</u>	<u>303'</u>	<u>303'</u>	Cemented to surf.
9 5/8			" " "
8 5/8	<u>1111'</u>	<u>1111'</u>	" " "
7			
5 1/2			
4 1/2	<u>3535'</u>	<u>3535'</u>	" " 2800'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well was fractured December 7, 1978 by Halliburton  
Final test: Open flow - (98 MCF) (oil)  
Rock Pressure - 740# - 90 days

Coal was encountered at 618-19'; 1038-49' Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water @ 2025' Feet \_\_\_\_\_  
Producing Sand 4th, 5th, Bayard Depth 3112-42'; 3192-3200'; 3440-48'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	48		
Open Hole			48	51		
Sand & Shale			51	618		
COAL *****			618	619	Coal *****	
Sand & Shale			619	1038		
COAL *****			1038	1049	Coal *****	
Sand & Shale			1049	2286		
Big Lime			2286	2334		
Injun Sand			2334	2398		
Sand & Shale			2398	2458		
Pocono Sand			2458	2488		
Sand & Shale			2488	3112		
4th Sand			3112	3142		
Sand & Shale			3142	3192		
5th Sand			3192	3200		
Sand & Shale			3200	3346		
Sand			3346	3352		
Sand & Shale			3352	3440		
Bayard Sand			3440	3448		
Sand & Shale			3448	3606		
Total depth				3606		

Perforations:  
3130 - 3142' - 12 holes  
3196 - 3200' - 4 "  
3446 - 3451' - 15 "  
JUN 1979  
DEPT. OF MINES

\* Indicates Electric Log tops in the remarks section.

ALLEGHENY LAND AND MINERAL CO.

RECEIVED

OCT 30 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Under lease or grant dated the 2nd day of August, 1971, by Mills Wetzel Lands, Inc., unto Consolidated Gas Supply Corporation.

This lease was recorded on the 19th day of November, 1971, in Deed or Lease Book 52A, at Page 421, in the office of the County Clerk of Wetzel County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights of this lease by virtue of an agreement dated the 6th day of May, 1977, granted by Consolidated Gas Supply Corporation.

ALLEGHENY LAND AND MINERAL CO.

RECEIVED

JUL 5 1977

OIL & GAS DIVISION  
DEPT. OF MINES

Under lease or grant dated the 2nd day of August, 1971, by Mills Wetzel Lands, Inc., unto Consolidated Gas Supply Corporation, this lease was recorded on the 19th day of November, 1971, in Deed or Lease Book 52A at Page 421, in the office of the County Clerk of Wetzel County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights under this lease by virtue of an agreement dated the 6th day of May, 1977, granted by Consolidated Gas Supply Corporation.

GW



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUL - 5 1977

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 July 1st, 1977

Surface Owner Coastal Lumber Company  
Address Box 8, Dailey, WV 26259  
Mineral Owner Mills Wetzel Lands c/o Elston  
Address Bank & Trust, Crawfordsville, Ind.  
Coal Owner Same  
Address \_\_\_\_\_  
Coal Operator None  
Address \_\_\_\_\_

Company Allegheny Land & Mineral Company  
Address P. O. Box 1740, Clarksburg, WV 26301  
Farm Mills Wetzel Land, Inc. Acres, 1000  
Richwood Run - Fishing Creek  
Location (waters) to Ohio River  
Well No. A-692 Elevation 1233'  
District Grant County Wetzel  
Quadrangle Littleton

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 11-6-77.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phillip Tracy  
PH: 758-4573 ADDRESS Middlebourn, 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 See Attached 19\_\_ by \_\_\_\_\_ made to \_\_\_\_\_ 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.

Very truly yours, ALLEGHENY LAND AND MINERAL COMPANY

(Sign Name) BY: [Signature], Manager  
Well Operator  
Land, Lease and Right of Way  
P. O. Box 1740  
Street  
Clarksburg,  
City or Town  
West Virginia 26301  
State

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505

Address  
of  
Well Operator

\*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

was:  
WET-622 PERMIT NUMBER  
47-103 now: WET-1151

**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 Union Drilling, Inc. NAME Allegheny Land & Mineral Company  
 ADDRESS Drawer 40, Buckhannon, WV 26201 ADDRESS P. O. Box 1740, Clarksburg, WV 26301  
 TELEPHONE 472-4610 TELEPHONE 623-6671  
 ESTIMATED DEPTH OF COMPLETED WELL: 2400' ROTARY XX' CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Bayard  
 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	20'	20'	Cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	975'	975'	Cement to surface
7			
5 1/2			Cement to 300' above
4 1/2	2400'	2400'	producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS approx. 930' \_\_\_\_\_  
 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 ~~from the date of completion~~. 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 30 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Surface Owner Coastal Lumber Company  
Box 8  
Address Dailey, WV 26259  
Mineral Owner Mills Wetzel Lands  
c/o Elston Bank & Trust  
Address Crawfordsville, IND  
Coal Owner Mills Wetzel Lands  
c/o Elston Bank & Trust  
Address Crawfordsville, IND  
Coal Operator None  
Address \_\_\_\_\_

DATE October 27, 1978  
Company ALLEGHENY LAND AND MINERAL COMPANY  
P. O. Drawer 1740  
Address Clarksburg, West Virginia 26301  
Farm Mills Wetzel Lands Acres 1000  
Location (waters) Richwood Run of Fishing Creek  
to Ohio River  
Well No. A-692 Elevation 1233'  
District Grant County Wetzel  
Quadrangle Littleton

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 3-1-79.

INSPECTOR  
TO BE NOTIFIED Phillip Lee Tracy  
P. O. Box 173-Dodd Street  
ADDRESS Middlebourn, WV 26149  
PHONE 758-4573

[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 grant or lease dated see attached 19\_\_\_\_ by \_\_\_\_\_ made to \_\_\_\_\_ 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, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address of Well Operator

Very truly yours ALLEGHENY LAND & MINERAL COMPANY  
(Sign Name) [Signature] Manager  
Land, Lease and Right of Way  
P. O. Box 1740  
Street  
Clarksburg  
City or Town  
West Virginia  
State

\*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.

Formerly WET-622

BLANKET BOND

WET-1151 PERMIT NUMBER  
47-103



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 Allegheny Land & Mineral Company  
 ADDRESS P. O. Drawer 1740  
 ADDRESS Clarksburg, West Virginia 26301  
 TELEPHONE 304 623-6671  
 ESTIMATED DEPTH OF COMPLETED WELL: **2400'** ROTARY **XX** CABLE TOOLS  
 PROPOSED GEOLOGICAL FORMATION: **Bayard**  
 TYPE OF WELL: OIL GAS **XX** COMB. STORAGE DISPOSAL  
 RECYCLING WATER FLOOD OTHER

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT PUT UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	975'	975'	cement to surface
7			
5 1/2			
4 1/2	2400'	2400'	cement to 300' above producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS **100** FEET SALT WATER FEET  
 APPROXIMATE COAL DEPTHS **approximately 930'**  
 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:

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Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

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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