



Minimum Error of Closure ONE PART IN 200  
 Source of Elevation C.G.S.C. WELL 7048 ELEV. 893'

- New Location
- 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."

Company ALLEGHENY LAND & MINERAL CO.  
 Address CLARKSBURG W. VA. 26301  
 Farm W. BRENT MAXWELL, ARRON SCHWARTZMAN  
 Tract \_\_\_\_\_ Acres 2400 Lease No. 41998  
 Well (Farm) No. \_\_\_\_\_ Serial No. A-667  
 Elevation (Spirit Level) 946  
 Quadrangle HOLBROOK NE  
 County DODDRIDGE District SOUTHWEST  
 Engineer Daniel L. Winkler  
 Engineer's Registration No. 530 L.L.S.  
 File No. 120 Drawing No. I-497  
 Date 5-23-77 Scale 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. DOD-1864

+ 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.

47-017 JUN 21 1977



**RECEIVED**

AUG - 1 1977

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

**Oil and Gas Division**  
**WELL RECORD**

Quadrangle HOLBROOK  
Permit No. DOD-1864

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

Company <u>Allegheny Land &amp; Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1740, Clarksburg, WV 26301</u>				
Farm <u>W.B. Maxwell</u> Acres <u>2400</u>	Size			
Location (waters) <u>S. Fork of Hughes River</u>	20-16			
Well No. <u>A-667</u> Elev. <u>946'</u>	Cond.			
District <u>Southwest</u> County <u>Doddridge</u>	13-10"			
The surface of tract is owned in fee by _____	8 5/8	275'	275'	Cement to surf.
<u>Arnon Schwartzman, M.D., 2007 Nichols Ave.</u>	7			
Address <u>Washington, D.C. 20020</u>	5 1/2			" " 1383'
Mineral rights are owned by <u>Union National Bank</u>	4 1/2	2083'	2083'	
<u>Atty. in Fact for W.B. Maxwell, Jr.</u>	3			
Address <u>Clarksburg, WV 26301</u>	2			
Drilling Commenced <u>June 26, 1977</u>	Liners Used			
Drilling Completed <u>July 1, 1977</u>				
Initial open flow _____ cu. ft. _____ bbls.				
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Well was fractured by Halliburton 7-12-77

Final test: Open flow - 36/10 M - 1" - Orifice = 166 MCF  
Rock Pressure - 550# - 15 hrs.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Injun & Weir Depth 1666-1734' & 1890-1996'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	50		
Slate & Shale			50	722		
Sand			722	748		
Slate & Shale			748	916		
Sand			916	968		
Slate & Shale			968	1444	1672 - 1680'	PERFORATIONS: } BI 28 shots WEIA
Sand			1444	1476	1702 - 1720'	
Slate & Shale			1476	1596	1888 - 1896'	
lg Lime			-1596	1666	1906 - 1916'	
Injun Sand			1666	1734	1954 - 1964'	
Slate & Shale			1734	1890		
Weir Sand			1890	1996		
Slate & Shale			1996	2090		
Berea Sand			-2090	2096		
Shale			2096	2200		
total depth				2200	(Driller)	

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

DATE May 29th., 1977

Surface Owner Arron Schwartzman, M. D.

Company Allegheny Land and Mineral Co.

Address 2007 Nichols Avenue

Address Clarksburg, West Virginia 26301

Address Washington, D. C. 20020

Mineral Owner Union National Bank

Farm W. B. Maxwell Acres 2400

Address Atty. in Fact for W. B.

Location (waters) South Fork of Hughes River

Coal Owner Maxwell Heirs.

Well No. A-667 Elevation 946'

Address Clarksburg, WV 26301

Address same

District Southwest County Doddridge

Coal Operator none

Quadrangle HOLBROOK

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 10-1-77

INSPECTOR Paul Garrett  
TO BE NOTIFIED \_\_\_\_\_

ADDRESS Clarksburg, W.Va.

PHONE 622-3871

Robert T. Hill  
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 owners 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 and Mineral Co.  
(Sign Name) By [Signature] Manager

Well Operator  
Land - Lease and Right of Way  
P. O. Drawer 1740  
Street

Clarksburg  
City or Town

West Virginia 26301  
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.

BLANKET BOND

DOD-1864

PERMIT NUMBER

47-017

**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 \_\_\_\_\_ NAME Allegheny Land and Mineral Co.  
 ADDRESS \_\_\_\_\_ ADDRESS Clarksburg, WV 26301  
 TELEPHONE \_\_\_\_\_ TELEPHONE 623-6671  
 ESTIMATED DEPTH OF COMPLETED WELL: Berea ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: 2350'  
 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	20'	20'	Cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	300'	300'	Cement to surface
7			
5 1/2			Cement to 300' above producing horizon
4 1/2	2350'	2350'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40-80 FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS no coal  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ 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