



Minimum Error of Closure ONE PART IN 200  
 Source of Elevation ALLEGHENY LAND & MINERAL Co. WELL A-591 - ELEV. 911'

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. B. MAXWELL, A. SCHWARTMAN, M.D.  
 Tract \_\_\_\_\_ Acres 2400 Lease No. 4199B  
 Well (Farm) No. \_\_\_\_\_ Serial No. A-590  
 Elevation (Spirit Level) 1060'  
 Quadrangle HOLBROOK NE  
 County DODDRIDGE District SOUTHWEST  
 Engineer Daniel L. Wheeler  
 Engineer's Registration No. 530 L.L.S.  
 File No. 80 Drawing No. I-323  
 Date 10-19-76 Scale 1" = 1000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. DOD-1840

+ 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

NOV 18 1976

6-6 STRAIGHT FK BLUESTONE CK (133)

RECEIVED

OCT 27 1898

Under lease or grant dated the 7th. day of October, 1898, by W. Brent Maxwell and Lillie J. Maxwell, his wife, unto the Carter Oil Company, subsequently Consolidated Gas Supply Corporation. This lease was recorded on the 15th. day of September, 1899, in Deed or Lease Book 14 at Page 376, in the office of the County Clerk of Doddridge County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights in this lease, by virtue of an agreement dated the 12th. day of April, 1976, granted by Consolidated Gas Supply Corporation.

GW



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

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

Quadrangle HOLBROOK  
Permit No. DOD-1840

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>				
Perm. <u>W. B. Maxwell</u> Acres <u>2400</u>				
Location (waters) <u>Holt Run of South Fork of Hughes River</u>	Size			
Well No. <u>A-590</u> Elev <u>1060'</u>	20-16			
District <u>Southwest</u> County <u>Doddridge</u>	Cond.			
The surface of tract is owned in fee by <u>Aaron Schwartzman, M.D., 2007 Nichols Ave.</u>	13-10"			
Address <u>Washington, D.C. 20020</u>	9 5/8			
Mineral rights are owned by <u>The Union National Bank</u>	8 5/8	310'	310'	Cement to surf.
<u>W.B. Maxwell Hrs., Clarksburg, WV 26301</u>	1 1/2			
Drilling Commenced <u>January 3, 1977</u>	4 1/2	2254'	2254'	Cement to surf.
Drilling Completed <u>January 9, 1977</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Well was fractured by Halliburton January 25-26, 1977

Final test: Open flow - 4/10 Merc.-2" = 311 MCF

Rock Pressure - 530# R.P.

(Weir & Injun Sands commingled)

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Injun, Weir Depth 1830-94; 2002-2166'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	30		
Shell & Slate			30	60		
Shale & Slate			60	874		
Sand			874	900		
Sand & Shale			900	1252		
Sand			1252	1282		
Sand & Shale			1282	1750		
Big Lime			1750	1830		
<u>Injun Sand</u>			1830	1894		
Shale & Sand			1894	2002		
<u>Weir Sand</u>			2002	2166		
Slate & Shale			2166	2300		(Driller)
						<p><b>Reforations:</b>                      2049-2077' - 6 shots                      2118-2153' -12 " <u>WEIR</u>                      1866-1889' -14 " <u>INJUN</u></p>

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
OCT 27 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 26, 1976

Surface Owner Aaron Schwartzman, M.D.  
Address 2007 Nichols Ave.  
Washington, D.C. 20020  
Mineral Owner The Union National Bank  
Address Atty. in Fact for  
W. Brent Maxwell Heirs  
XXXXXXXX Clarksburg, West Virginia  
XXXXXXXX Same  
Coal Operator None  
Address \_\_\_\_\_

Company Allegheny Land & Mineral Company  
Address Clarksburg, West Virginia  
Farm W. B. Maxwell Acres 2400  
Location (waters) Holt Run of South Fork of  
Hughes River  
Well No. A-590 Elevation 1060'  
District Southwest County Doddridge  
Quadrangle Holbrook

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 2-27-77.

Robert L. [Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett  
Clarksburg, W.Va.  
PH: 622-3871 ADDRESS \_\_\_\_\_

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  
PHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 379  
Martinsburg, W. Va. 26505

Address  
of  
Well Operator

Very truly yours, ALLEGHENY LAND & MINERAL COMPANY  
By [Signature], Manager  
(Sign Name) \_\_\_\_\_  
Land, Lease and Right of Way  
P. O. Box 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 BOARD

DOD-1840

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 & Mineral Company  
 ADDRESS \_\_\_\_\_ ADDRESS Clarksburg, West Virginia, 26301  
 TELEPHONE \_\_\_\_\_ TELEPHONE 623-6671  
 ESTIMATED DEPTH OF COMPLETED WELL: 2470' ROTARY XX 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	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
4 1/2	2470'	2470'	Berea Horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60-80 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS No Coal  
 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