



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure ONE PART IN 200  
 Source of Elevation C.G.S.C. WELL 7047 - ELEV. 911'

"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, SCHWARTZMAN  
 Tract \_\_\_\_\_ Acres 2400 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. A-591  
 Elevation (Spirit Level) 911'  
 Quadrangle HOLBROOK NE  
 County DODDRIDGE District SOUTHWEST  
 Engineer Daniel S. Whales  
 Engineer's Registration No. 530 L.L.S.  
 File No. 62 Drawing No. 1-613  
 Date 7-26-76 Scale 1" = 500

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

WELL LOCATION MAP  
 FILE NO. DODD - 1822

+ 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

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OIL & GAS DIVISION  
DEPT. OF MINES

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.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROOK

Permit No. DOD-1822

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

Company <u>Allegheny Land &amp; Mineral Company</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>24.00</u>				
Location (waters) <u>South Fork of Hughes River</u>				
Well No. <u>A-591</u> Elev. <u>911'</u>	Size <u>20-16</u>			
District <u>Southwest</u> County <u>Doddridge</u>	Cond. <u>13-10"</u>			
The surface of tract is owned in fee by <u>Arron Schwartzman, M.D.</u>	<u>9 5/8</u>			
Address <u>2007 Nichols Ave., Washington, D.C. 20020</u>	<u>8 5/8</u>	<u>323'</u>	<u>323'</u>	Cement to surface
Mineral rights are owned by <u>The Union National Bank, Atty. in fact, W. Brent Maxwell, Hrs., Address Clarksburg, WV</u>	<u>7</u>			
Drilling Commenced <u>August 24, 1976</u>	<u>5 1/2</u>			
Drilling Completed <u>August 29, 1976</u>	<u>4 1/2</u>	<u>2368'</u>	<u>2368'</u>	Cement to 1418'
Initial open flow <u>No test - too much fluid</u>	<u>3</u>			
Final production _____ cu. ft. per day _____ bbls.	<u>2</u>			Baffle set in casing at
Well open _____ hrs. before test _____ RP.	Liners Used			Approx. 1730'

Well treatment details: \_\_\_\_\_ Attach copy of cementing record.  
Fractured by Halliburton September 7, 1976  
Final test - Open flow - 492 MCF  
Rock Pressure - 390# - 16 hrs.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
 Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
 Producing Sand Injun Depth 1612 - 1744'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	15		
Shale & Clay			15	300		
Sand & Shale			300	1597		
Big Lime			1597	1612		
<u>Injun Sand</u>			1612	1744		
Shale			1744	1900		
Sand-Weir Section			1900	2022		
Shale			2022	2368		
		Total depth		2368		
						<u>PERFORATIONS:</u>
						1994-1998' - 4 shots
						1984-1986' - 3 " }
						1979-1980' - 2 " }
						1955-1956' - 2 " }
						1930-1931' - 2 " }
						1904-1911' - 5 " }
						1732-1738' - 6 " }
						1707-1732' - 17 " }



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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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 Arron Schwartzman, M. D.  
2007 Nichols Avenue  
Washington, D. C. 20020  
Mineral Owner The Union National Bank  
Atty. in fact, W. Brent  
Maxwell heirs.  
~~Coal Owner~~ Clarksburg, West Virginia.  
same  
Coal operator none

DATE July 30th., 1976  
Company Allegheny Land and Mineral Company  
Address Clarksburg, West Virginia.  
Farm W. B. Maxwell Acres 2400  
Location (waters) South Fork of Hughes River  
Well No. A-591 Elevation 911'  
District Southwest County Doddridge  
Quadrangle HOLDBROOK

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 12-2-76.

INSPECTOR TO BE NOTIFIED Paul Garrett  
ADDRESS Clarksburg, W.Va.  
PHONE 622-3871

[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 AND MINERAL CO.  
(Sign Name) By: [Signature] Manager  
Land - Lease and Right of Way  
Box 1740  
Clarksburg  
West Virginia 26301

\*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-1822

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, West Virginia.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 623-6671  
 ESTIMATED DEPTH OF COMPLETED WELL: 2300' 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	FEET IN WELL	CEMENT SET OR BACKS (DEPTH)
20 - 14	20'	20'	cement to surface
13 - 10			
9 - 5 8			
8 - 5 1/2	300'	300'	cement to surface
7			
5 1/2			cement 300' above Berea horizon
4 1/2	2300'	2300'	
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 reported in wells drilled within area  
 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