



Minimum Error of Closure ONE PART IN 200
 Source of Elevation C-1308 - OIL WELL - ELEV. 926'

"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."

New Location
 Drill Deeper
 Abandonment

Company ALLEGHENY LAND & MINERAL Co.
 Address CLARKSBURG, W. VA. 26301
 Farm W. BRENT MAXWELL, ARRON SCHWARTMAN
 Tract _____ Acres 2400 Lease No. 4199B
 Well (Farm) No. _____ Serial No. A-664
 Elevation (Spirit Level) 960'
 Quadrangle HOLBROOK NE
 County DODDRIDGE District SOUTHWEST
 Engineer Daniel L. Mueller
 Engineer's Registration No. 530 L.L.S.
 File No. 117 Drawing No. I-312
 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-1861

+ 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

JUL 18 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-1861

Rotary X Oil XX
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company <u>Allegheny Land & 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>				
Location (waters) <u>S. Fork of Hughes River</u>	Size			
Well No. <u>A-664</u> Elev. <u>960'</u>	20-16			
District <u>Southwest</u> County <u>Doddridge</u>	Cond.			
The surface of tract is owned in fee by <u>Arren Schwartzman, M.D.; 2007 Nichols Ave. Washington, D.C. 20020</u>	13-10"			
Mineral rights are owned by <u>The Union National Bank Atty. in Fact, W. Brent Maxwell Assoc., Clarksburg, WV 26301</u>	8 5/8		259'	259' Cement to surface
Drilling Commenced <u>June 23, 1977</u>	5 1/2			
Drilling Completed <u>June 25, 1977</u>	4 1/2		2063'	2063' " " 1363'
Initial open flow _____ cu. ft. _____ bbls.	3			
Final production <u>116,000</u> cu. ft. per day _____ bbls.	2			
Well open _____ hrs. before test _____ RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

Well was fractured by Halliburton July 7, 1977
Final test: Open flow - 120/10 W - 1 1/2" Orifice
Rock Pressure - 240# - 12 hrs. (Injun & Weir)

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Injun & Weir Depth 1618-1716' & 1820-1970'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	25		
Shale			25	344		
Sand			344	368		
Slate & Shale			368	950		
Sand			950	998		
Slate & Shale			998	1546		
Big Lime			-1546	1618		
Injun Sand			1618	1716		
Slate & Shale			1716	1820		
Weir Sand			1820	1970		
Slate & Shale			1970	2070		
Berea Sand			-2070	2076		
Slate & Shale			2076	2174		
Total depth				2174		

PERFORATIONS:

1879 - 1885' - 4 shots
1892 - 1905' - 6 shots
1943 - 1963' - 10 shots
1672 - 1707' - 18 shots

(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

Arron Schwartzman, M. D.

Company Allegheny Land and Mineral Company

Surface Owner 2007 Nichols Avenue

Address Clarksburg, West Virginia 26301

Address Washington, D.C. 20020

Farm W. Brent Maxwell Acres 2400

Mineral Owner The Union National Bank

Location (waters) South Fork of Hughes River

Address Atty. in Fact, W. Brent

Well No. A-664 Elevation 960

Maxwell Heirs.

District Southwest County Doddridge

Coal Owner Clarksburg, WV 26301

Quadrangle HOLBROOK

Address same

Coal Operator none

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 TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, W.Va.

PHONE 622-3871

Robert L. [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 ^{Well Operator} 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, 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-1861 PERMIT NUMBER

47-017

Garney

**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: 2400'
 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	2400'	2400'	any producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 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

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
the subject lease, by virtue of an
agreement dated the 21st. day of
March, 1977, granted by Consolidated
Gas Supply Corporation.

GW