



Latitude $39^{\circ} 15'$
 $(7\frac{1}{2})$ $39^{\circ} 12' 30''$

HOPE CONSTRUCTION
 & REFINING CO.
 WELL # 1309

W. BRENT MAXWELL
 1725²

A-746
 EL. 921'

C.G.S.C.
 7047
 N28°25'E
 228'

C.G.S.C.
 7046
 EL. 870'
 N0°15'E
 351'

C.G.S.C.
 7048
 N8°37'E
 335'

W. BRENT MAXWELL
 1255²

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure ONE PART IN 200
 Source of Elevation C. G. S. C. WELL # 7046 ELEV. 870'

"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. V. 26301
 Farm W. BRENT MAXWELL, Ardon Swartzman
 Tract _____ Acres 2400 Lease No. _____
 Well (Farm) No. _____ Serial No. A-746
 Elevation (Spirit Level) 921' NE
 Quadrangle HOLBROOK OXFORD 7 1/2'
 County DODDRIDGE District SOUTH WEST
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 201 Drawing No. I-601
 Date 4-13-78 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DODD-1891

+ 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 APR 28 1978

3300' (W. B. S. S. STRAIGHT FORK BLUESTONE CR 183133)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROOK

Permit No DOD-1891

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. X
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>	Size			
Farm <u>W. B. Maxwell</u> Acres <u>2400</u>	20-16			
Location (waters) <u>S. Fork of Hughes River</u>	Cond.			
Well No. <u>A-746</u> Elev. <u>921'</u>	13-10"			
District <u>Southwest</u> County <u>Doddridge</u>	9 5/8			
The surface of tract is owned in fee by <u>Aaron Swartzman, 2007 Nichols Ave., Washington, D.C.</u>	8 5/8	298'	298'	Cement to surf.
Mineral rights are owned by <u>Union Nat. Bank, Trustee W. Brent Maxwell, Hrs., Clarksburg, WV</u>	5 1/2			
Drilling Commenced <u>June 11, 1978</u>	4 1/2	2065'	2065'	" " 1465'
Drilling Completed <u>June 15, 1978</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 Dowell - June 22, 1978

Final test: Open flow - 231 MCF

Rock Pressure - 980# - 21 hours

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Weir Depth 1886 - 1986'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	20		
Sandy			20	80		
Sand & Shale			80	782		
Sand			782	794		
Sand & Shale			794	912		
Sand			912	964		
Sand & Shale			964	1432		
Maxton Sand			1432	1472		
Sand & Shale			1472	1580		
Big Lime			- 1580	1686		
Injun Sand			1686	1728		
Sand & Shale			1728	1886		
Weir Sand			1886	1986		
Sand & Shale			1986	2086		
Berea Sand			- 2086	2092		
Sand & Shale			2092	2105		
			total depth	2105	(Driller)	

Perforations:

1883 - 1890' - 7 holes
1900 - 1908' - 8 "
1951 - 1959' - 8 "
1967 - 1977' - 10 "

(Correlation Log not on depth with Density Log.)

(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

RECEIVED
APR 21 1978
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE April 18, 1978

Surface Owner Arron Swartzman
Address 2007 Nichols Ave., Washington, DC
Mineral Owner Union National Bank, Trustee
W. Brent Maxwell heirs
Address Clarksburg, WV 26301
Coal Owner same
Address _____
Coal Operator _____
Address _____

Company ALLEGHENY LAND & MINERAL COMPANY
Address P. O. Drawer 1740, Clarksburg, WV
Farm W. B. Maxwell Acres 2,400
Location (waters) South Fork of Hughes River
Well No. A-746 Elevation 921'
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 INSPECTOR
operations have not commenced by 8-24-78 TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, W. Va.

[Signature]
Deputy Director - Oil & Gas Division

PHONE 622-3871

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 CO.
(Sign Name) [Signature] Manager
Well Operator
Land, Lease and Right of Way
P. O. Drawer 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.

BLANKET BOND

DODD-1891 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-017

Signed by _____

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 P. O. Drawer 1740, Clarksburg, W
 TELEPHONE _____ TELEPHONE (304) 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 2000' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Weir
 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	2200'	2200'	producing 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

ALLEGHENY LAND AND MINERAL CO.

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 day of April, 1978.