



W. BRENT MAXWELL
2400[±]

A-666
Elev. 1018'

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 SCHWARTMAN
 Tract _____ Acres 2400 Lease No. 41998
 Well (Farm) No. _____ Serial No. A-666
 Elevation (Spirit Level) 1018'
 Quadrangle HOLBROOK NE
 County DODDRIDGE District SOUTHWEST
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 119 Drawing No. I-496
 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-1863

+ 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

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



A RECEIVED

JUL 25 1977

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROOK

Permit No. DOD-1863

Rotary X Oil _____
Cable _____ Gas XX
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>	Size			
Farm <u>W.R. Maxwell</u> Acres <u>24.00</u>	20-16			
Location (waters) <u>S. Fork of Hughes River</u>	Cond.			
Well No. <u>A-666</u> Elev. <u>1018'</u>	13-10"			
District <u>Southwest</u> County <u>Doddridge</u>				
The surface of tract is owned in fee by <u>Arnon Schwartzman, M.D., 2007 Nichols Ave.</u>	8 5/8	264'	264'	Cement to surf.
Address <u>Washington, D.C. 20020</u>	5 1/2			
Mineral rights are owned by <u>The Union National Bank</u>	4 1/2	2151'	2151'	" " 1451'
<u>Maxwell House, Clarksburg, WV 26301</u>	3			
Drilling Commenced <u>June 25, 1977</u>	Liners Used			
Drilling Completed <u>June 28, 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 7-18-77

Open flow - 1378 MCF

Rock Pressure - 970 # - 17 hrs.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Weir Sand Depth 1962 - 2074'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	75		
Sand & Shale			75	285		
Sand			285	310		
Sand & Shale			310	435		
Red Rock			435	445		
Sand & Shale			445	930		
Salt Sand			930	988		
Sand & Shale			988	1524		
Sand			1524	1542		
Sand & Shale			1542	1662		
Shale			1662	1762		
Shale			1762	1808		
Shale			1808	1962		
Weir Sand			1962	2074		
Shale			2074	2166		
Berea Sand			2166	2172		
Shale			2172	2280		
Total depth				2280	(Driller)	

PERFORATIONS:

1966 - 2042'

(over)

* Indicates Electric Log tops in the remarks section.

AUG 12 1977



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 Company

Address 2007 Nichols Avenue

Address Clarksburg, WV 26301

Address Washington, D. C. 20020

Farm W. B. Maxwell Acres 2400

Mineral Owner The Union National Bank

Location (waters) South Fork of Hughes River

Address Atty. in Fact for W. B.

Well No. A-666 Elevation 1018

Address 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 H. [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
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.

DOD-1863

PERMIT NUMBER

BLANKET BOND

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: 2460' 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 1/8 <u>8 - 5/7"</u>	300'	300'	cement to surface
8 - 5 1/8			
7			
5 1/2			cement to 300' above
4 1/2	2460'	2460'	any producing sand
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