



4.455
0.76W

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure One Part in 200
 Source of Elevation C.G.S.C. Well 11168 Elev. 1005'

"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 AND MINERAL COMPANY
 Address CLARKSBURG, W. VA. 26301
 Farm J. M. GRAY (Jeffery W. LOWTHER, Agent surf.)
 Tract _____ Acres 324 Lease No. _____
 Well (Farm) No. _____ Serial No. A-561
 Elevation (Spirit Level) 999'
 Quadrangle HOLBROOK NC
 County DODDRIDGE District SOUTHWEST
 Engineer Daniel L. Wheeler
 Engineer's Registration No. L.L.S. 530
 File No. 22 Drawing No. _____
 Date 1-16-76 Scale 1" = 80 POLES

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

WELL LOCATION MAP
 FILE NO. DODD-1801

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROCK

Permit No. DOD#1801

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

Company Allegheny Land & Mineral Co.
Address Box 1740, Clarksburg, WV 26301
Farm J. M. Gray Acres 324
Location (waters) Sugar Camp Run of South Fork of Hughes River
Well No. A-561 Elev. 999'
District Southwest Union County Doddridge
The surface of tract is owned in fee by Jeffrey W Lowther, Agent 2300 Cherry Ave.
Address PARKERSBURG, WV 26101
Mineral rights are owned by Same
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	306'	306'	Cement to surf
7			
5 1/2			
4 1/2	2012'	2012'	Cement to 1312
3			
2			
Liners Used			

Drilling Commenced January 19, 1976
Drilling Completed January 24, 1976
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 February 20, 1976 by Halliburton.

Final test: Open Flow - 2/10 W in 2" = 60 MCF

Rock Pressure - 320# - 96 hrs.

Coal was encountered at _____ Feet _____ Inches
Fresh water @ 1060 Feet _____ Salt Water _____ Feet _____
Producing Sand Injun Depth 1860 - 1940'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay and Red rock			0	230		
Shale			230	445		
Slate & Shale			445	1050		
Shale & Sand			1050	1766	Water @ 1060'	
Little Lime Sand			1766	1778		
Shale			1778	1808		
Big Lime Sand			1808	1860		
<u>Injun Sand</u>			1860	1940		
Shale			1940	2070		
		Total depth		2070	driller	
						<u>Perforations:</u> <u>1920 - 1925 - 15 shots</u>

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 21 1976

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 16th., 1976

Surface Owner Jeffery W. Lowther, Agent

Company Allegheny Land and Mineral Company

Address 2300 Cherry Ave., Parkersburg, WV

Address Clarksburg, WV 26301

Mineral Owner Same

Farm J. M. Gray Acres 324

Address _____

Location (waters) Sugar Camp Run of the South Fork of the Hughes River

Coal Owner Same

Well No. A-561 Elevation 999'

Address _____

District Southwest Union County Doddridge and Ritchie

Coal Operator None

Quadrangle HOLBROOK

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 5-19-76.

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

Robert L. Fonda
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 _____

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, W. Va. 26505
AC 304 296-4461

Very truly yours, Allegheny Land and Mineral Company
(Sign Name) By: Paul E. Statkus Manager
Land - Lease and Right of Way
P. O. Box 1740
Street
Clarksburg,
City or Town
West Virginia 26301
State

Address
of
Well Operator

*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.

By Telecopier
BLANKET BOND

Dodd-1801 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 Box 1740, Clarksburg, WV 26301
 TELEPHONE _____ TELEPHONE 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 2050' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 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	400'	400'	cement to surface
7			
5 1/2			cement to 300' above
4 1/2	2050'	2050'	Big Injun horizon
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 known coal beds _____
 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

RECEIVED

JAN 21 1976

OIL & GAS DIVISION
DEPT. OF MINES

Under lease or grant dated the 8th. day of September, 1952, by M. B. Gray, et ux. et al. unto Hope Natural Gas Company subsequently Consolidated Gas Supply Corporation, this lease was recorded on the 4th. day of February, 1953, in Deed or Lease Book 81 at Page 437 in the office of the County Clerk of Ritchie County, West Virginia.

Allegheny Land and Mineral is vested with the drilling rights of the subject lease by virtue of an agreement dated the 10th. day of October, 1975, granted by Consolidated Gas Supply Corporation.

GW