



Fracture...   
 Redrill...   
 New Location.   
 Drill Deeper...   
 Abandonment...

Source of Elevation Well 6217 Eiv. 1011.7'  
 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.  
 Minimum accuracy, one part in 200

Company EQUITABLE GAS CO. W.VA. DIV.  
 Address PITTSBURGH, PA. 15213  
 Farm F.L. LODGE, Furman O. Jarrett  
 Tract 123° Acres 290 Lease No. 7437  
 Well (Farm) No. \_\_\_\_\_ Serial No. 6230  
 Elevation (Spirit Level) 907.8'  
 Quadrangle HOLBROOK NEA 2<sup>nd</sup> EC  
 County DODDRIDGE District COVE  
 Engineer R. J. McMillan  
 Engineer's Registration No. 105 L.L.S.  
 File No. 230B/156 Drawing No. \_\_\_\_\_  
 Date 11-8-77 Scale 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. DODD-1881

+ 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

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OCT 13 1978

**Oil and Gas Division**  
**WELL RECORD**

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Holbrook NE 4<sup>3-4</sup>

Permit No. Dodd-1881

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

Company <u>Equitable Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>420 Blvd. of the Allies, Pgh., PA 15219</u>				
Farm <u>F.L. Lodge</u> Acres <u>123</u> ac of	Size			
Location (waters) <u>Hughes River</u> <u>290</u> ac	20-16			
Well No. <u>P. O. 6230</u> Elev. <u>907.8'</u>	Cond.			
District <u>Cove</u> County <u>Doddridge</u>	13-10"	30		
The surface of tract is owned in fee by <u>Nettie Leeson, Att. in Fact</u>	9 5/8			
Address <u>Auburn, West Virginia</u>	8 5/8	223	223	To surface
Mineral rights are owned by <u>Furman O. Jarrett</u>	7			
Agent <u>Morgantown, W. VA 26505</u>	5 1/2		1873	755x. to 1488'
Drilling Commenced <u>3-27-78</u>	4 1/2			
Drilling Completed <u>5-27-78</u>	3			
Initial open flow _____ cu. ft. _____ bbls.	2			
Final production _____ cu. ft. per day <u>9</u> bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured 5-2-78

Treating Pressure Details: Max 1900#, final 1900#, Aug 1500#

I.S.I.P. 1600#, 15 min S.I.P. 1100#

Total Fluid - 875 BBLs.

Total Prop - 10,000# 80/100 sand, 35,000# 20/40 sand

Coal was encountered at No Coal Feet \_\_\_\_\_ Inches \_\_\_\_\_

Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Producing Sand Big Injun Depth 1734 - 1829

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Gas Sand			798	807		
Salt Sand			1000	1038		
Salt Sand			1089	1100		
Salt Sand			1186	1215		
Salt Sand			1313	1365		
Salt Sand w/shale			1424	1452		
Maxton			1500	1547		
Little Lime			1616	1626		
Little Lime			1642	1663		
Big Lime			1674	1734		
Big Injun			1734	1829	Gas 1742 - 1769 Oil 1809 - 1823	
T.D.				1893		

Note: From Gamma Log

(over)

\* Indicates Electric Log tops in the remarks section.



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DEC 6 1977

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 November 16, 1977

Surface Owner Nettie Leeson, Att. in Fact

Company Equitable Gas

Address Auburn, West Virginia

Address Pittsburgh, PA 15219

Mineral Owner Furman O. Jarrett, Agent

Farm F. L. Lodge Acres 123 ac. of  
290 ac.

Address Morgantown, West Virginia 26505

Location (waters) Hughes River

Coal Owner No coal

Well No. P.O. 6230 Elevation 907.8

Address \_\_\_\_\_

District Cove County Doddridge

Coal Operator \_\_\_\_\_

Quadrangle Holbrook NE 4<sup>3-4</sup>

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 TO BE NOTIFIED Paul Garrett

operations have not commenced by 4-8-78 ADDRESS 321 Beech St., Clarksburg, WV

Robert H. [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 April 20 1904 by F. L. Lodge made to Sidney W. Jones and recorded on the 8th day of August 1904, in Doddridge County, Book 22 Page 277

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.

Very truly yours,

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

(Sign Name) Equitable Gas Company  
Well Operator

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Address  
of  
Well Operator

420 Blvd. of the Allies  
Street  
Pittsburgh  
City or Town  
Pennsylvania 15219  
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-1881 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 J. M. Linger

**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 H. E. Gardner  
 ADDRESS \_\_\_\_\_ ADDRESS P. O. Box 1550, Clarksburg, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 624-6576  
 ESTIMATED DEPTH OF COMPLETED WELL: 1880 ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: B.I.  
 TYPE OF WELL: OIL XX GAS \_\_\_\_\_ 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			
13 - <del>XX</del>	30		
9 - 5/8			
8 - 5/8	210		<i>To Surface</i>
7			
5 1/2	1875		
4 1/2			
3			Perf. Top
2	1825		Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ 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