



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

Source of Elevation Rd. Fk. at Low Gap School, Elev 993'

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 <u>Equitable Gas Co.</u>	
Address <u>Pittsburgh, Pa 15219</u>	
Farm <u>Rob't. D. Ferguson</u>	
Tract	Acres <u>50</u> Lease No. <u>26190</u>
Well (Farm) No. <u>3</u>	Serial No. <u>5482</u>
Elevation (Spirit Level) <u>1059.45'</u>	
Quadrangle <u>West Union #2 &amp; C</u>	
County <u>Tyler</u>	District <u>McElroy</u>
Engineer <u>P. D. McMillan</u>	
Engineer's Registration No. <u>105 L.L.S.</u>	
File No. <u>222/92</u>	Drawing No. _____
Date <u>8-2-73</u>	Scale <u>1" = 500</u>

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

WELL LOCATION MAP  
FILE NO. Tyler-465-Red

+ 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. 47-095



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle West Union SE 2.1

Permit No. TYL-465-Red

Company Equitable Gas  
Address Pittsburgh, Pa. 15219  
Farm Robert D. Ferguson Acres 50  
Location (waters) Jefferson Run  
Well No. 5482 Elev. 1059  
District McElroy County Tyler

The surface of tract is owned in fee by \_\_\_\_\_  
Delbert L. Haught

Address Wilbur, W. Va. 26459

Mineral rights are owned by Thelma Ferguson

Address Central Station, W. Va.

Re- Drilling Commenced 10-15-73

Re- Drilling Completed 1-23-74

Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.

Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.

Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	34	34	25 sks. to surf.
9 5/8			
8 5/8 *	792	792	325 sks. to sur
7			
5 1/2	1961	1961	325 sks. to 590 gel to surface
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

\* Old 8-5/8" in hole from 814 to 1142.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun gas storage Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal (Estimate)			628	630		
Murphy Sand			860	880		
Little Dunkard Sand			1044	1054		
Big Dunkard Sand			1076	1096		
Gas Sand			1152	1250		
Salt Sand			1268	1682		
Maxton Sand			1752	1806		
Little Lime			1864	1884		
Big Lime			1907	1957		
<u>Big Injun Sand</u>			1962	2116		
Weir Sand			2268	2365		
Gantz Sand			2471	2476		
Gordon Stray Sand			2600	2616		
<u>Gordon Sand</u>			2680	2696		
Redrilled to				2709		
Cement Plug Back to				1987	Completed	Total Depth

Note: Gamma Log from surface to 2709.

(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 SEP 25 1973

Surface Owner Delbert L. Haught  
Address Wilbur, W. Va. 26459  
Mineral Owner Thelma Ferguson 26340  
Address Central Station, W. Va.  
Coal Owner Same as Mineral Owner  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Equitable Gas  
Address Pittsburgh, Pa. 15219  
Farm Robert D. Ferguson Acres 50  
Location (waters) Jefferson Run  
Well No. 5482 Elevation 1059  
District McElroy County Tyler  
Quadrangle West Union SE 2.1

INSPECTOR TO BE NOTIFIED Mr. Paul Barrett  
Box 276 PH: 337-9386

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 Redrilling. This permit shall expire if operations have not commenced by 1-27-74.

Robert L. [Signature]  
Deputy Director - Oil & Gas Division

Paden City  
W. Va. 26159

Weekends: 321 Beech Street  
Clarksburg, W. Va.

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 Dec. 1 1972 by Robert D. Ferguson made to Equitable Gas Co. and recorded on the 2nd day of Mar. 1972 in Tyler County, Book 196 Page 4

NEW WELL DRILL DEEPER XX 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, S. M. Linger  
(Sign Name) Equitable Gas Co.  
Well Operator

Address  
of  
Well Operator

420 Blvd. of the Allies  
Street  
Pittsburgh  
City or Town  
Pa., 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

Sept-465-Red PERMIT NUMBER

47-095

**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO RE DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME H. E. Gardner, Div. Supt.  
 ADDRESS \_\_\_\_\_ ADDRESS Box 1550, Clarksburg, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304)624-6576  
 ESTIMATED DEPTH OF COMPLETED WELL: 1984 ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Big Injun  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE XX 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 - 10			
9 - 5/8			
8 - 5/8	800	800	Cement to surface
7			
5 1/2	1960	1960	Cement to 600
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS No mineable 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