



HNGH
was 1941

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

Source of Elevation Road Parks 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	<i>Equitable Gas Company</i>		
Address	<i>Pittsburgh, Pa. 15219</i>		
Farm	<i>Addie Keys</i>		
Tract	Acres	<i>36 GAS RIGHT DEED 36</i>	
Well (Farm) No.	<i>1</i>	Serial No.	<i>5496</i>
Elevation (Spirit Level)	<i>1057.85'</i>		
Quadrangle	<i>West Union MP142 EC</i>		
County	<i>Tyler</i>	District	<i>McElroy</i>
Engineer	<i>R. S. McMillan</i>		
Engineer's Registration No.	<i>LLS 105</i>		
File No.	<i>222192</i>	Drawing No.	
Date	<i>11-29-73</i>	Scale	<i>1" = 500'</i>

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

WELL LOCATION MAP
FILE NO. *Tyl-468-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

Quadrangle West Union NE 4.3

Permit No. TYL-468-Red

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

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Addie Keys Acres 36
Location (waters) Jefferson Run
Well No. 5496 Elev. 1058
District McElroy County Tyler
The surface of tract is owned in fee by _____
Addie Keys, Agent
Address Wilbur, W. Va. 26459
Mineral rights are owned by Equitable Gas
Address Pittsburgh, Pa. 15219
Re- Drilling Commenced 7-10-74
Re- Drilling Completed 9- 6-74
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10	30	30	18 sks. to surf.
9 5/8			
8 5/8		*	
7	1914	1914	750 sks. to surf
5 1/2			
4 1/2	1960	1960	40 sks. to 1700'
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.
* Old 8" in hole 773 to 1192

Coal was encountered at 650 - 653 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal (Driller Est.)			650	653		
Big Dunkard Sand			1048	1062		
Gas Sand			1190	1216		
Salt Sand			1282	1696		
Maxton Sand			1760	1782		
Little Lime			1864	1882		
Big Lime			1905	1956		
<u>Big Injun</u> Sand			1958	2110		
Weir Sand			2276	2366		
Gordon Stray Sand			2602	2620		
<u>Gordon Sand</u>			2684	2700		
Redrilled to				2716		
Cement Plug Back to				1987		
Completed Total Depth				1987		

Note: Gamma log from surface to 2712

(over)

* Indicates Electric Log tops in the remarks section.



RECEIVED

JAN 14 1974

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 Jan. 8, 1974

Surface Owner * See below.
Address _____
Mineral Owner _____
Address _____
Coal Owner _____
Address _____
Coal Operator _____
Address _____

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Addie Keys Acres 36
Location (waters) Jefferson Run / Middle Island Cr.
Well No. 1-5496 Elevation 1058
District McElroy County Tyler
Quadrangle West Union NE 4.3

INSPECTOR TO BE NOTIFIED Mr. Paul Goodnight
Smithville W.V. 26178 PH: 477-2455

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 5-15-74

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

Frank J. Jones
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 below. 19__ by _____ made to _____ and recorded on the _____ day of _____ 19__, in _____ County, Book _____ Page _____

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.

* Storage rights together with surface ingress, egress and regress acquired in condemnation action in Circuit Court of Tyler County and recorded Address 12-17-73 in Civil Order Book of No. 2, page 327. Well Operator

Very truly yours, S. M. Linger
(Sign Name) Equitable Gas Co.
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 PERMIT

468-Red PERMIT NUMBER
47-095

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

PROPOSED WORK ORDER TO X 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: 2000 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			
7	1916	1916	Cem. to surface
5 1/2	1967	1967	
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