



Source of Elevation E. G. C. WELL 5478 (TYL-458) ELV. 1218.85'
 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

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

Company **EQUITABLE GAS CO.**
 Address **PITTSBURGH, PA. 15219**
 Farm **ERMA MABEL PITTS, STEPHEN PITTS**
 Tract Acres **234** Lease No. **26239**
 Well (Farm) No. **2** Serial No. **5506**
 Elevation (Spirit Level) **1263.19'**
 Quadrangle **WEST UNION SE 1-2** *EC*
 County **DODDRIDGE** District **GRANT**
 Engineer *[Signature]*
 Engineer's Registration No. **L.L.S. NO. 105**
 File No. **222C/58** Drawing No. *[Blank]*
 Date **4/20/78** Scale **1"=500'**

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

WELL LOCATION MAP
 FILE NO. **DODD-1895-RD**

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 MAY 10 1978



RECEIVED

JAN 22 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle West Union SE 1 ¹⁻²

Permit No. DODD - 1895 - RED.

47-017

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

Company Equitable Gas Co.
Address 420 Blvd. of Allies, Pgh, PA. 15219
Farm Erma Pitts Acres 234
Location (waters) Branch of Sandy Run
Well No. 5506 Elev. 1263'
District Grant County Doddridge
The surface of tract is owned in fee by _____
Erma M. Pitts et al.
Address _____
Mineral rights are owned by Mary M. Welch & Belva Welch et al
Address _____
Drilling Commenced July 5, 1978
Drilling Completed Sept. 15, 1978
Initial open flow N/A cu. ft. _____ bbls.
Final production N/A cu. ft. per day _____ bbls.
Well open N/A 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	4 1/2" casing cemented with 50 sacks of 50 - 50 pozmix 10% salt.
9 5/8			
8 5/8		1106	
7			
5 1/2			
4 1/2		2226	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well used for gas storage

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Keener Depth 2146 - 2156
Storage

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
From Electric logs:						
Salt Sand			1654	1720		
Salt Sand			1730	1762		
Maxon Sand			1940	1970		
Little Lime			2002	2016		
Big Lime			2020	2134		
Big Injun			2146	2270 (est.)		
T.D.			2226			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OFFICE OF THE
COMMISSIONER
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 26, 1978
Company Equitable Gas Co.
Address Pittsburgh, Pa. 15219
Person Erma M. Pitts Acres 234
Location (water) Branch of Sandy Run
Well No. 2-5506 Elevation 1263
District Grant County Doddridge
Quadrangle West Union SW 1-2

Surface Owner Stephen Pitts, Agt.
Address Shirley, W. Va. 26243
Mineral Owner Same as surface
Address _____
Coal Owner Same as surface
Address _____
Coal Operator _____
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 redrilling. This permit shall expire if
operations have not commenced by 9-1-78.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, W. Va. 26301
PHONE 622-3871

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 April 19 19 73 by Erma M. Pitts, et al made to Equitable Gas Company and recorded on the 23rd day of February 19 74 in Doddridge County, Book 98 Page 357

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.

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, S. M. Linger
(Sign Name) Equitable Gas Company
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-1895-RED PERMIT NUMBER

47-017

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-54 UPON COMPLETION

PROPOSED WORK ORDER TO XX RE DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME H. E. Gardner
 ADDRESS _____ ADDRESS P.O. Box 1550, Clarksburg, W. Va. 2630
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 2300 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ SURFACE 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 - 1 1/2			
13 - 5/8			
9 - 5/8			
8 - 5/8	1100	1100	Cem. to surface
7			
5 1/4			
4 1/4	2300	2300	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ 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 File