



Latitude 39° 15' 25"
 3.22 S
 2.87 W

Longitude 80° 45'

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

Source of Elevation ROAD FORKS LOW GAP SCHOOL ELEV 995' USGS

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. 15219
 Farm E. K. FREEMAN
 Tract _____ Acres 48 1/4 or 82 ac. Lease No. 26138
 Well (Farm) No. _____ Serial No. 5471
 Elevation (Spirit Level) 1113.55'
 Quadrangle WEST UNION
 County TYLER District M'ELROY
 Engineer P. J. McWilliam
 Engineer's Registration No. 105 L.L.S.
 File No. 222/38 Drawing No. _____
 Date 8-28-72 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON 701397

WELL LOCATION MAP
 FILE NO. Supl-447-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.

OWWO 9-0 Wilbur (92)

SEP 12 1972



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MAR 30 1973 c. No. 11

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle West Union SE 2.1

Permit No. TYL-447-Red

Company Equitable Gas 15219
Address 420 Blvd. of the Allies, Pgh., Pa.
Farm E. K. Freeman Acres 82
Location (waters) Pratts Run
Well No. 5471 Elev. 1113.55
District McElroy County Tyler
The surface of tract is owned in fee by A.G. Freeman
c/o Marine Fireman's Union 94103
Address 240 - 2nd Ave., San Francisco, Cal.
Mineral rights are owned by Erlin L. Freeman
Address Baltimore, Md.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 8-10"	293	293	Cem. to surface
9 5/8			
8 5/8	1233	1233	Cem. to surface
7			
5 1/2	2020	2020	Cem. to 1033, Gel to surface
4 1/2			
3 -1/2 Liner	1796 to	2022	Cem. to 1796
2			
Liners Used			

Re Drilling Commenced 9-1-72
Re Drilling Completed 3-22-73
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.

Coal was encountered at 700-705 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			700	705		Driller Estimate
Big Dunkard Sd.			1156	1168		
Gas Sd.			1238	1256		
Salt Sd.			1284	1368		
Salt Sd.			1530	1882		
Little Lime			1918	1938		
Big Lime			1962	2014		
Big Injun Sd.			2020	2170		
Squaw Sd.			2260	2296		
Weir Sd.			2318	2414		
Gantz Sd.			2522	2528		
<u>Gordon Sd.</u>			2726	2744		
<u>Redrilled to</u>				2772		Big Inj. Storage
<u>Cement to</u>				2060		
<u>Completed Total Depth</u>				2060		
Gamma Ray Survey from surface to			2771			

(over)

* Indicates Electric Log tops in the remarks section.

APR 11 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES

Charleston, W. Va.
A. G. Freeman, Jr.

Surface Owner c/o Marine Firemans Union
Address 240-2nd St., San Francisco, Cal. 94103

Mineral Owner Erlin L. Freeman, Agent
Address 1236 Oakland Terrace Rd., Baltimore, Md

Coal Owner Same as Surface Owner
Address _____

Coal Operator _____
Address _____

DATE August 31, 1972
Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm E. K. Freeman Acres 82
Location (waters) Pratts Run
Well No. 5471 Elevation 1113.55
District McElroy County Tyler
Quadrangle West Union SE 2.1

McArthur
INSPECTOR TO BE NOTIFIED Full
Box 296 PH: 775-5611
Hundred
W. Va. 26575

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 1-1-73.

Robert A. Todd
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 Jan. 13 1972 by E. K. Freeman made to Equitable Gas Co. and recorded on the 27th day of Jan. 1972, in Tyler County, Book 32 Page 161

_____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's
(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

296-447-Red PERMIT NUMBER
Survey

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. Gardener, Div. Supt. _____
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W. Va. 26301 _____
 TELEPHONE _____ TELEPHONE (304) 624-6576 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2070 _____ ROTARY X _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE X _____ 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			
18 - 10	290	290	Cem. to surface
9 - 5/8			
8 - 5/8	1235	1235	Cem. to surface
7			
5 1/2	2035	2035	Cem. to 1035
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