



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

Source of Elevation ELV. BAR

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. WVA. DIV.

Address PITTSBURGH, PA. 15219

Farm GEORGE H. JONES et. al.

Tract _____ Acres 28 Lease No. 26154

Well (Farm) No. _____ Serial No. 5474

Elevation (Spirit Level) 835'

Quadrangle WEST UNION NE 42 EC

County TYLER District M^cELROY

Engineer R. D. McWilliams

Engineer's Registration No. 105 L.L.S.

File No. 222/57 Drawing No. _____

Date 9-7-72 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. WV-1-450-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.

9-0 Wilbur (92)

SEP 25 1972



RECEIVED
MAY 4 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle West Union NE 4.3
Permit No. TYL-450-Red

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

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm George H. Jones Acres 28
Location (waters) Pratts Run
Well No. 5474 Elev. 833
District McElroy County Tyler
The surface of tract is owned in fee by _____
Jacob Cumberledge
Address Alma, W. Va. 26320
Mineral rights are owned by George H. Jones
Address West Union, W. Va. 26456
Drilling Commenced 2-7-73
Drilling Completed 4-19-73
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 XX	27	27	35 sks. to surface
9 5/8			
8 5/8 *	818	818	570 sks. to surface
7 **			
5 1/2			
4 1/2	1762	1762	175 sks. to 618, gel to surface
3			
2			
Liners Used			

Attach copy of cementing record.
* Old 8" in hole from 841 to 974
** Old 7" in hole from 1260 to 1736

Coal was encountered at 461-466 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			461	466		
Murphy Sand			704	729		
Big Dunkard Sand			837	866		
Gas Sand			976	1028		
Salt Sand			1106	1510		
Maxton Sand			1580	1624		
Little Lime			1672	1691		
Big Lime			1702	1758		
Big Injun Sand			1761	1920		
Weir Sand			2080	2166		
Gantz Sand			2271	2286		
Gordon Stray Sand			2406	2418		
Gordon Sand			2488	2504		
<u>Redrilled to</u>				<u>2530</u>		
<u>Cement Plug Back to</u>				<u>1793</u>		
<u>Completed Total Depth</u>				<u>1793</u>		

Big Injun gas storage

Note: Gamma Ray Survey from Surface to 2509

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Jacob Cumberledge
Address Alma, W. Va. 26320
Mineral Owner George H. Jones 26456
Address Rt. 4, Box 188, West Union, W. Va.
Coal Owner Same as Surface Owner
Address _____
Coal Operator _____
Address _____

DATE September 14, 1972
Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm George H. Jones, et al Acres 28
Location (waters) Pratts Run
Well No. 5474 Elevation 833
District McElroy County Tyler
Quadrangle West Union NE 4.3

M. Arthur
INSPECTOR TO BE NOTIFIED Null
Box 299
Southwest Way PH: 775-5611
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 1-15-73.

Robert S. [Signature]
Deputy Director of 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 Mar. 2 1972 by George H. Jones et al made to Equitable Gas Co. and recorded on the 7th day of Apr. 1972, in Tyler County, Book 192 Page 130

_____ 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

77-450-Red. PERMIT NUMBER

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. 2630
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 1810 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			
XX - 10	100	100	Cem. to surface
9 - 5/8			
8 - 5/8	916	916	Cem. to surface
7	1745	1745	Cem. to surface
5 1/2	1785	1785	Cem. to 1545
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