



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

Source of Elevation RD. EXE. TO SOUTH, ELEV. 822' 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 JACOB A. CUMBERLEDGE et. ux.
 Tract _____ Acres 125 or 225 Lease No. 25951
 Well (Farm) No. 1 Serial No. 5457
 Elevation (Spirit Level) 789.6'
 Quadrangle WEST UNION NE 42 E
 County TYLER District McELROY
 Engineer R. D. McElroy
 Engineer's Registration No. 105 I.L.S.
 File No. 222/14 Drawing No. _____
 Date 4-7-72 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. Tyl-433-R00

+ 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.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle West Union NE 4.3

Permit No. TYL-433-Red

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

Company Equitable Gas Co. 15219
Address 420 Blvd. of the Allies, Pgh., Pa.
Farm Jacob A. Cumberledge Acres. 225
Location (waters) Pratts Run
Well No. 5457 Elev. 789.6
District McElroy County Tyler
The surface of tract is owned in fee by _____
Jacob A. Cumberledge
Address Alma, W. Va. 26320
Mineral rights are owned by Same as surface
Address _____
Drilling Commenced 6-8-72
Drilling Completed 6-11-73
Initial open flow _____ cu. ft. _____ bbls.
Final production 5/trace 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"	391	391	Cem. to surf
9 5/8			
8 5/8	1028	1028	Cem. to surf
7		*	
5 1/2	1738	1738	Cem. to 828, gel to surface
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

* Old 7" in hole 1656 to 1676

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			430	434		Driller Estimate
Gas Sand			920	944		
Salt Sand			1070	1472		
Maxton Sand			1532	1552		
Little Lime			1630	1654		
Big Lime			1676	1726		
Big Injun Sand			1735	1900		
Weir Sand			2054	2141		
<u>Gordon Sand</u>			2470			
Redrilled to				2485		
Cement to				1760		
Completed Total Depth				1760		

Note: Gamma Ray Survey from surface to 2476.

(over)

* Indicates Electric Log tops in the remarks section.

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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

Redrill

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

DATE April 12, 1972
Company Equitable Gas Company
Address 420 Blvd. of the Allies, Pgh., Pa. 15219
Farm Jacob A. Cumberledge, et ux. 225
Location (waters) West Union NE 4.3
Well No. 5457 Elevation 789.6
District McElroy County Tyler
Quadrangle West Union NE 4.3

Surface Owner Jacob A. Cumberledge, et ux.
Address Alma, West Virginia 26320
Mineral Owner Same as above
Address _____
Coal Owner Same as above
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 Aug. 13, 1972.

INSPECTOR TO BE NOTIFIED Arthur
Handel, Nova PH: 775-5611

Debut K. Ford
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 June 9 1967 by Jacob A. Cumberledge, et ux. made to Equitable Gas Company and recorded on the 5th day of July 1967, in McElroy County, Book 175 Page 495

_____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 Company
Well Operator

Address
of
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

Tyl-433-Red PERMIT NUMBER

Sevens

**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 O. H. Shaw, Division Superintendent
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W. Va. 26301
 TELEPHONE _____ TELEPHONE 304-624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 1830 ROTARY _____ CABLE TOOLS XX
 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 3/4	391	391	Cement to surface
9 - 5/8			
8 - 5/8 1/4	1050	1050	Cement to surface
7	1669	1669	Cement to surface
5 1/2			
4 1/2	1736	1736	Cement to 1450
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