



Fracture Red New Location Drill Deeper Abandonment

Source of Elevation ROAD PK, PRATT RUN, 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. WVA DIV.
 Address PITTSBURGH, PA. 15219
 Farm OLIVE I. STEWART
 Tract _____ Acres 8? Lease No. 5456
 Well (Farm) No. _____ Serial No. 2490
 Elevation (Spirit Level) 1108'
 Quadrangle WEST UNION SE 2-1 ER
 County TYLER District McELROY
 Engineer P. S. McElroy
 Engineer's Registration No. 105 L.L.S.
 File No. 222/30 Drawing No. _____
 Date 6/23/72 Scale 1" = 500'

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

WELL LOCATION MAP W
 FILE NO. Tyl-441-RED
 W

+ 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)



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL & GAS DIVISION
DEPT. OF MINES
Oil and Gas Division

WELL RECORD

Quadrangle West Union
Permit No. TYL-441-RED

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

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Olive I. Stewart Acres 82
Location (waters) Pratt Run
Well No. 2490 Elev. 1108
District McElroy County Tyler
The surface of tract is owned in fee by _____
Henry J. Liebmann
Address RFD, Middletown, W. Va.
Mineral rights are owned by Nina Sessler
Address New Baden, Ill. 62265
Drilling Commenced 10-13-72
Drilling Completed 9-19-73
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. 10 "	285	285	Gel to surf.
9 5/8			
8 5/8	1240	1240	830 sks. to surf
7 *			
5 1/2	2018	2018	175 sks. to 1040
4 1/2			Gel to surface
3			
2			
Liners Used			

Well treatment details: _____
Attach copy of cementing record.
* Old 7" in hole 1960 to 1970

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Injun storage Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
✓Pittsburgh Coal			712	716		Driller Est.
✓Big Dunkard Sand			1150	1177		
✓Gas Sand			1216	1253		
✓Salt Sand			1278	1876		
✓Maxton Sand			1910	1918		
✓Little Lime			1926	1940		
✓Big Lime			1967	2020		
✓Big Injun Sand			2024	2174		
✓Squaw Sand			2276	2306		
✓Weir Sand			2324	2418		
✓Gantz Sand			2528	2532		
✓Gordon Stray Sand			2654	2668		
✓Gordon Sand			2740	2778		
Cleaned Out to				2810		
Cement Plug Back to				2060		
Completed Total Depth				2060		
				410		

Note: Gamma Ray Survey from surface to 2800.

(over)

* Indicates Electric Log tops in the remarks section.

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7
 McElroy District, Tyler County, W. Va.
 Philadelphia Co.
 Elevation, 1115'.
 Completed in 1912.
 Original production, 1,193,000 cu. ft. gas.
 Original rock pressure, 113 lbs., in 20 min.
 On Pratt Run.
 Shown on 8-E, West Union Quadrangle.

	Top.	Bottom.
Pittsburgh Coal	712	
Big Lime	1964	- 2025
Big Injun Sand (gas, 2025-2055; oil, 2060')	2025	- 2200
50-Ft. Sand	2507	- 2542
Gordon Stray Sand	2725	- 2732
Gordon Sand	2756	- 2764
Total depth		2807

THERE IS A STANDARD WELL ON TOP OF HILL
 ELEVATION IS 1205' - Get the record from map.

FORMATIONS
FORM: O 32-5170

Well # 2490 Olive L. Stewart

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay		16				
"	16	46				
Slate	46	86				
Loam	86	116				
Sand	116	136				
Slate	136	176				
Clay	176	206				
Loam	206	237				
Slate	237	271				
Sand	271	296			296	
Loam	296	336				
Slate	336	406				
Clay	406	446				
Loam	446	491				
Sand	491	521				
Loam	521	541				
Slate	541	571				
Loam + shells	571	636				
Sand	636	656				
Clay	656	676				
Slate	676	712				
Edy Coral	712	716				
Loam	716	782				
Shells + Loam	782	947				
Little Dumbard	947	987				
Clay	987	1037				
Slate	1037	1099				
Loam	1099	1141				
Big Dumbard	1141	1170				
Slate	1170	1260				
Clay	1260	1275				
Edy Sand	1275	1340				
Loam + shells	1340	1430				
Sand	1430	1448				
Water + shells	1448	1500				
Sand	1500	1530				
Slate	1530	1590				
wt. salt sand	1590	1650				
Slate	1650	1675				
end salt sand	1675	1700				
Slate	1700	1710				
end salt sand	1710	1746				
Shale	1746	1786				
Red Rock	1786	1796				
Sand	1796	1890				
Red Rock	1890	1914				
Loam	1914	1924				
Little Loam	1924	1939				
Conc. Core	1939	1964				
Big Loam	1964	2025				
Big Loam	2025	2200		2025		Steel line measurement
Slate	2200	2205	2060			
Loam Sand	2205	2225				
Slate + shells	2225	2330				
Loam Sand	2330	2345				
Slate + shells	2345	2400				
Conc. Core	2400	2430				
Water shells	2430	2507				
wt. salt sand	2507	2542				
Water shells	2542	2650				
Slate	2650	2655				
Shells	2655	2692				
Slate + shells	2692	2725				
Wood + Loam Sand	2725	2732				



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JUN 29 1972

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECONDITION

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

DATE June 26, 1972

Surface Owner Henry J. Liebmann
Address RFD, Middlebourne, W. Va.
Mineral Owner Nina Sessler
Address Box 523, New Baden, Ill. 62265
Coal Owner Nina Sessler
Address Same as above
Coal Operator _____
Address _____

Company Equitable Gas Co.
Address 420 Blvd. of the Allies, Pgh., Pa. 15219
Farm Olive I. Stewart Acres 82
Location (waters) Pratt Run
Well No. 2490 Elevation 1108
District McElroy County Tyler
Quadrangle West Union SE 2.1

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 Re-Drilling. This permit shall expire if
operations have not commenced by 11-13-72.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Arthur Null
Hundred, W. Va. PH: 775-5611

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 March 18 1902 by Olive I. Stewart made to J. L. Newman and recorded on the 27th day of June 1910, in Tyler County, Book 69 Page 42 X RECONDITION
_____NEW WELL _____DRILL DEEPER _____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

TYL-441-RED

PERMIT NUMBER

Survey

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

X **RECONDITION**

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME O. H. Shaw, Div. Supt.
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W. Va. 26301
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 2060 ROTARY _____ 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			
XX - 10	296	296	296 to surface
9 - 5/8			
8 - 5/8	1270	1270	1270 to surface
7			
5 1/2	2025	2025	2025 to 1070
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