

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

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.
 Farm FL Lodge
 Tract _____ Acres 290 Lease No. 4737
 Well (Farm) No. _____ Serial No. PO-4244
 Elevation (Spirit Level) 990'
 Quadrangle Halbrook NE 4³⁻⁴ EC
 County Doddridge District Cave
 Engineer James J. Jeffers
 Engineer's Registration No. 1084
 File No. 211/52 Drawing No. _____
 Date 2-15-66 Scale 1"=500'

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

WELL LOCATION MAP
 FILE NO. DOD-11-FRAC
2386

+ 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.



*Miss Phillips
had packing
4-4-66
at*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
HYDRAFRACTURE
WELL RECORD

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Holbrook NE 3-3.4

Parent No. Dod.-11-Frac.

Oil or Gas Well Oil
(KIND)

Company Equitable Gas Company
Address 420 Blvd. of the Allies, Pgh., Pa. 15219
Farm F. L. Lodge Acres 290
Location (waters) Holbrook NE 3-3.4
Well No. P.O. 4244 Elev. 990
District Cove County Doddridge
The surface of tract is owned in fee by Lee Williams
Address Anburn, W. Va.
Mineral rights are owned by M. Barnett, Atty. in fact
D. M. Chapman et al. Address W. Main St., West Union, W. Va.
Drilling commenced 1-20-66
Drilling completed 3-18-66
Casing Shot From _____ To _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Casing Pressure _____ lbs. Cu. Ft. _____ hrs.
WELL ACIDIZED (DETAILS) _____ bbls., 1st 24 hrs.
WELL FRACTURED (DETAILS) 3-15-66

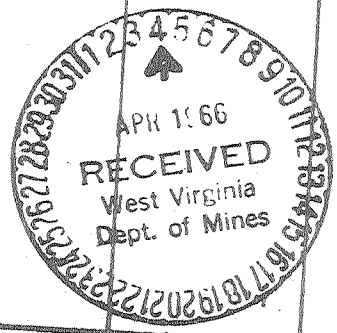
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Anchor
13			Size of
10	185	185	8-1/4 x 6-5/8
8 1/4	1008	1008	Depth est. 1596
6 1/4	1780	1780	
5 3/16	1880	1880	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 50 bbls. oil per day = 60 mcf gas
CASING PRESSURE AFTER TREATMENT 100 lbs. HOURS 30 min.
Injuring Sand Big Injun Feet _____ Salt Water _____
Depth 1829-1910

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Dunkard Sand			238	300			
Sand			786	800			
Sand			922	990			
Sand			1095	1127			
Sand			1290	1310			
n Sand			1405	1515			
e Line			1589	1632			
Line			1730	1760			
Big Injun Sand			1775	1827			
Sand			1829	1912	Oil & Gas	1898-1911	Temperature
Sand			2033	2064			
Sand			2079	2094			
Sand			2146	2159			
Sand			2168	2185			
Sand			2436	2441			
Out to			2457	2461	Gas	2459-65	Temperature
to				2503			
to				1951			
to				1927			
to				1925			
Total Depth				1910			
				1910			

Log shown from Gamma Ray Survey
5-3/16" cemented from 1880' to 1500'
Well hydraulically fractured on 3-15-66



FIRST PRESSURE TEST IN 6 5/8 CASING
after shot

REMARKS

30 Sec.	lbs.	
1 Min.	"	
2 "	"	5 10/20
5 "	5	25
10 "	25	65
15 "	37	130
30 "	75	20' 175
Rock Pressure	625	" in 24 in.
Taken	Feb 20	19 14
By		

Feb 26-1914
 40 lbs. Bot. Shell 2460

WELL TUBED AND PACKED: Mar 17 1914

VIZ: Used 113 ft. 2305 ft. 2" Tubing and 18 ft. 169 ft. of 3"
 1-6 5/8" 3 Hook Wall Cacker
 18 ft. 368 ft. 2" Below Cacker
Rec

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec.	15	lbs.
1 Min.	25	"
2 "	35	"
5 "	75	"
10 "	130	"
15 "	170	"
30 "	300	"
Rock Pressure	860	" in 24 in.
Taken	May 17	1914
By	Shum	

Jan 7-1916
 Used 112 ft. 2395 ft. 2" Tubing
 5 ft. 98 ft. 3" Tubing
 1-6 5/8" 3 Hook Wall Cacker
 18 ft. 368 ft. 2" Below Cacker
 14 ft. 287 ft. 3" Tubing Cacker
 1130
 Used 1-6 5/8" 3" WMP 2103
 2500'-114 ft. 3" F.B.G.
 397' Anchor

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Well # 4244 P. J. Lodge

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Slate		240				
Sand	240	300				
Slate	300	320				
Thin Sand	320	380			365	
Slate	380	400				
Lime	400	415				
Slate & Shell	415	570				
Slate	570	640				
Slate	640	695				
Lime	695	710				
Slate	710	740				
Slate	740	760				
Slate	760	780				
Little Dunkard	780	810				
Slate	810	850				
Big Dunkard	850	870				
Slate	870	915				
Sand Gas	915	975				
Slate	975	1000				
1st salt sand	1000	1100				
Sand	1100	1190				
Shelly Slate	1190	1250				
Sand	1250	1310				
Slate & Shell	1310	1360				
2nd salt sand	1360	1570				
Slate	1570	1570		1610		
Meson	1570	1625		1620		
Slate	1625	1653				
Lime	1653	1697				
Slate	1697	1710				
Slate	1710	1728				
Little Lime	1728	1750				
Slate	1750	1770				
Big Lime	1770	1830				
Big Lime sand	1830	1920		1850		
Slate	1920	2026				
Lime & Sand	2026	2180				
Slate	2180	2210				
Shells	2210	2418				
Slate	2418	2443				
Ordov Sand	2443	2457				
Slate & Shells	2457	2604		2458		
Total Depth	2604					

