

Latitude

Longitude

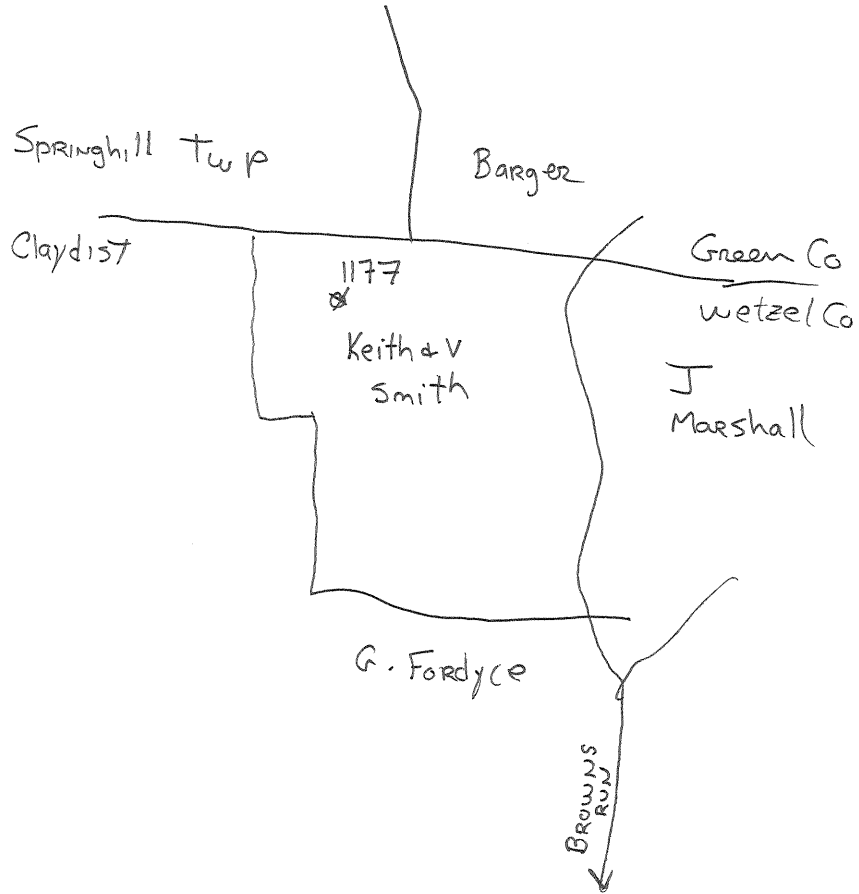
+ 2.07s
1.27w

Topo Location

7.5' Loc. _____ 15' Loc. _____
_____ (calc.) _____

Company Manufact. Lt+Ht
Farm Elizabeth Johnson # 1177
15' Quad _____
(sec.)
7.5' Quad Hundred
District Clay

WELL LOCATION PLAT
County 103 **Permit** 30963





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1377

WELL RECORD

Permit No. 163-A Oil or Gas Well _____ (KIND)

Company The Manufacturers Light & Heat Company
Address 800 Union Trust Bldg., Pittsburgh, Pa.
Farm Elizabeth Johnson Acres 90
Location (waters) _____
Well No. 1177 Elev. _____
District Clay County Wetzel
The surface of tract is owned in fee by W. Bertram Waychoff
502 Peoples Bank Bldg. Address Waynesburg, Pa.
Mineral rights are owned by The Mfrs. Light & Heat Co.
800 Union Trust Bldg. Address Pittsburgh, Pa.
Drilling commenced January 28, 1910
Drilling completed April 26, 1910
Date Shot _____ From _____ To _____
With _____

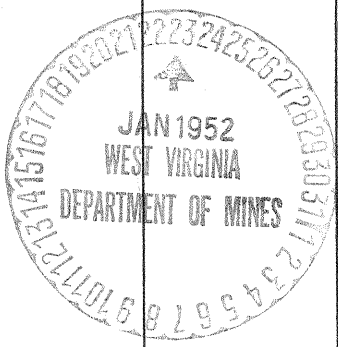
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
18			
10	276	276	Size of _____
8 1/4	1665	1665	
6 3/8	2408	760	Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 1057 FEET 48 INCHES
1171 FEET 108 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mapletown Coal			1057	1061			
Pittsburgh Coal			1171	1180			
Little Dunkard			1570	1600			
Big Dunkard			1660	1690			
Gas Sand			1900	1970	Gas 1906 & 1950		
Salt Sand			1980	2230			
Maxon Sand			2295	2325	Shelby		
Little Lime			2330	2355			
Big Lime			2360	2436			
Big Injun			2436	2646			
30 Ft. Sand			3045	3075			
50 Ft. Sand			3120	3168	Broken up.		
Gordon Stray Sand			3196	3204	Little Gas 3198 sand hard.		
Gordon Sand			3220	3245	Shelby		
Gordon Sand			3250	3293			
4th. Sand			3323	3348			
5th. Sand			3410	3415			
Sand			3453	3461			
Bayard Sand			3585	3600	Gas 3595 - Very soft sand		
WELL COMPLETED				3645			
							Well was shot in Bayard Sand with 60 quarts. Gordon Stray with 40 quarts no good 6-5/8" casing in hole has no collar on top.



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date Jan. 22, 1951

APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner

By *[Signature]* LAND AGENT.