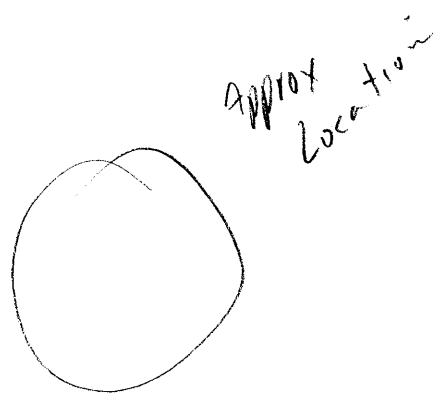


LATITUDE 38° 25'

LONGITUDE 81° 30'



7.5 OGIS topo location

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

Company United Fuel Gas Co
 Farm Caroline Q Smith
 Quad Big Chimney
 County Kanawha
 District Malden

WELL LOCATION MAP
 File No. 039-70080

70080

Malden District, Kanawha County, W. Va.

By United Fuel Gas Co., Charleston, W. Va.

About 1-3/4 mi. almost due east of the Bowen well.

1-3/4 mi. N. E. of mouth of Baker Fork of Elk-Twomile.

555,000 cu. ft. gas and 4 bbls. oil.

	Top.	Bottom.	Thickness.
Unrecorded	0	- 175	175
Coal	175	- 180	5
Sand	180	- 300	120
Slate	300	- 325	25
Lime	325	- 370	45
Coal	370	- 375	5
Sand	375	- 535	160
Lime	535	- 640	105
Slate	640	- 675	35
Coal	675	- 680	5
Sand	680	- 1000	320
Lime	1000	- 1120	120
Sand	1120	- 1280	160
Slate	1280	- 1300	20
Sand	1300	- 1400	100
Slate	1400	- 1450	50
Lime	1450	- 1500	50
Slate	1500	- 1580	80
Little Lime	1580	- 1610	30
Pencil Cave	1610	- 1615	5
Big Lime	1615	- 1784	169
Big Injun Sand	1784	- 1812	28
Red rock	1812	- 1832	20
Slate	1832	- 1922	90
Gas sand	1922	- 1929	7
Slate	1929	- 2006	77
Oil sand	2006	- 2064	58
Slate, to bottom	2064	- 2067	3