

Latitude

39° 25'

7 1/2



80° 10'

Longitude

Topo Location

1.05s

1.80w

7.5' Loc.	<u>1.05s</u>	15' Loc.	<u>1.05s</u>
	<u>1.80w</u>	(calc.)	<u>1.80w</u>

680 on Co. Repl. Map

Company Grant Development

Frum

Farm Harriet Frum 1

Fairmont WC

15' Quad Fairmont WC
(sec.)

7.5' Quad Fairmont West

District Grant

WELL LOCATION PLAT

County 049 Permit 70402

614 PETROLEUM AND NATURAL GAS.

	Thickness, Total Feet.	Feet.
Big Dunkard sand	37	547
Unrecorded	24	571
Sand, ("Gas")	48	618
Unrecorded	22	640
Gas sand	23	663
Unrecorded	145	808
First Salt sand	69	877
Unrecorded	53	930
Second Salt sand	160	1090
Unrecorded	256	1346
Little Lime	25	1371
Unrecorded	40	1411
Big Lime	72	1483
Unrecorded	136	1619
Big Injun sand	8	1627
Unrecorded	24	1651
Squaw sand	64	1715
Unrecorded	133	1848
Berea Grit	159	2007
Unrecorded	46	2053
Fifty-foot sand (little show oil and gas, 2010')	47	2100
Unrecorded	37	2137
Thirty-foot sand	9	2146
Unrecorded	51	2197
Gordon Stray sand	9	2206
Unrecorded	14	2220
Gordon sand	172	2392
Unrecorded	6	2398
Fifth sand	181	2529
Unrecorded	18	2547
Bayard sand	22	2569
Unrecorded to bottom		
10" casing, 242'; 6% casing, 1420'		

The above well record starts close the horizon of the 10" casing, 242'; 6% casing, 1420'.
Pittsburgh coal.

Harriet Frum No. 1 Well Record (680).

Grant district, 0.6 mile N 20° W of Boothsville. Authority, Grant Development Company.

	Thickness, Total Feet.	Feet.
(Elevation, 995' B.A.T.)	8	8
Conductor	362	370
Unrecorded (water, 60' and 35')	80	450
Big Dunkard sand	150	600
Unrecorded	40	640
First Gas sand (water)	8	648
Coal, Lower Kittanning	42	690
Unrecorded	50	740
Second Gas sand (Gas, 700')	40	780
Unrecorded	33	813
Salt sand (water, 800'; gas, 806')	2	815
Unrecorded	115	930
Second Salt sand		

Thickness, Total Feet.

Unrecorded	60	990
Red rock	195	1185
Unrecorded	115	1300
Big Lime	67	1367
Big Injun sand (gas)	93	1460
Unrecorded	10	1470
Big Injun sand, (gas, 1477')	27	1497
Unrecorded	106	1603
Squaw sand (oil show, 1604')	12	1615
Unrecorded	258	1873
Gantz? sand and unrecorded	19	1892
Fifty-foot sand (gas show, 1911')	137	2029
Unrecorded	22	2051
Gordon Stray sand	10	2061
Unrecorded	19	2080
Gordon sand	15	2095
Unrecorded	73	2168
Sand	10	2178
Unrecorded	145	2323
Fifth sand and unrecorded	64	2387
Bayard sand to bottom	47	2434
10" casing, 142'; 8 1/4" casing, 845'; 6% casing, 1329'		

The above well starts about 130 feet below the Pittsburgh coal.

Prospective Oil and Gas Areas, Grant District.—The eastern portion of Grant district, Marion county, like Winfield and Union, does not look so promising for either oil or gas in paying quantity for the same reasons as given for the latter districts. However, there are a few small areas that would warrant the drilling of more wells, both from the standpoint of structure and development. (1) That territory for two miles northward from the Marion-Taylor county line between the 1300 and 1425-foot contours of Pittsburgh coal as outlined on Map II appears good for Fifty-foot sand gas in view of the good Holt gasser (690) in the edge of Taylor to the southwest; (2) that, west and southwest of Chifton, for gas in the Big Injun and deeper sands; and (3), that, immediately along the crest of the Mooresville anticline for gas at the same horizons.