

Dagard Heirs No. 3 (1816) Well

GIC-181-D

Center District, Gilmer County, West Virginia.

By Carnegie Natural Gas Company, 1014 Frick Building, Pittsburgh, Pa.

Located, 0.48 mi. W. of 80°55' and 2.25 mi. S. of 36°50' - 35° Glenville Quadrangle,

1.5 mi. E. of Perkins and 3.7 mi. S. of Normantown.

Elevation, 1020' ±

Drilled in 1937 under permit Oil-181.

Gas well; open flow 304,000 cu. ft. per day from 1972 to 1986.

10" casing, 204'; 8 1/2", 205 1/2'; 6 5/8", 1987'.

Top Bottom Thickness

Pennsylvanian, 1574 feet

0	20	20	Clay, red, soft (0 to 50 from driller's record)
20	50	30	Slate, white, soft
50	95	45	Shale and siltstone, green, micaceous, containing siderite spherulites and nodules
95	105	10	Clay, red
105	125	20	Siltstone, green, micaceous
125	155	30	Clay, red, calcareous
155	160	5	Sandstone, light-green, very fine
160	175	15	Clay, red, calcareous; mixed with green siltstone and shale
175	190	15	Sandstone, green, very fine
190	204	14	Clay, red, calcareous; mixed with green siltstone
204	252	48	Clay, red, calcareous
252	265	13	Sandstone, green, very fine
265	284	19	Siltstone, green
284	292	8	Clay, red, calcareous
292	298	6	Sandstone, green, very fine
298	310	12	Clay, red, calcareous
310	370	60	Sandstone, light-green, medium-grained, not very hard
370	395	25	Clay, gray to grayish-green, partly calcareous
395	423	28	Sandstone, light-green; varies in texture from medium-grained at top to very fine at bottom of interval
423	443	20	Sandstone, nearly white, coarse
443	450	7	Shale, green; with some limestone
450	455	5	Clay, red, calcareous
455	493	38	Shale, green, soft, clay-like; some green siltstone in upper part of interval and a little limestone near bottom

Top	Bottom	Thickness	
488	535	47	Siltstone, green, micaceous; samples also contain some fine, soft, green shale and fine sandstone
535	595	60	Shale, dark-gray to black, very silty, micaceous; some lighter gray clay at bottom
595	632	37	Clay, about, 70 per cent gray and 30 per cent red; both colors occur in the same fragments
632	595	37	Shale, gray, soft, with black carbonaceous streaks
605	605	10	Sandstone, white, coarse (this thickness is from driller's record; samples show less)
606	614	8	Shale, grayish-green; with a little limestone
614	638	24	Shale, gray to grayish-green, containing silty and sandy streaks
638	745	107	Sandstone, very light-gray, mostly medium-grained, fine toward top; contains a little mica, chlorite and kaolin; not very firmly cemented (show of gas at 665)
745	791	46	Shale, gray to dark-gray, partly greenish, calcareous; contains some siderite
791	829	37	Shale, dark greenish gray, partly silty; contains small siderite spherulites
828	836	8	Sandstone, gray, fine to very fine, shaly, micaceous
836	868	32	Shale, gray, mostly fine, soft and claylike, some silty; contains many siderite spherulites
868	918	50	Sandstone, light grayish yellow, medium grained; contains a little mica, chlorite and kaolin
918	927	9	Shale, dark-gray to black, sample also contains some sandstone and fragments of siderite nodules
927	930	3	Coal
930	940	10	Shale, dark-gray
940	985	45	Sandstone, very light-gray, fine
985	1022	37	Sandstone, dark-gray, very fine, shaly, micaceous; contains slight traces of coal
1022	1030	8	Shale, dark-gray
1030	1038	8	Shale, dark-gray to black, 50% coal, 20%
1038	1056	18	Siltstone, dark-gray to brown
1056	1154	98	Sandstone, light-gray, fine; contains mica, chlorite, siderite and carbonaceous material

Top	Bottom	Thickness	
1124	1126	11	Coal and black shale; thickness of coal perhaps only 2 or 3 feet
1126	1268	133	Shale, dark-gray to black, very silty, micaceous; mostly has shaly structure well developed but the greater part is coarse enough for siltstone
1268	1288	20	Sandstone, light-gray, fine; with dark, shaly streaks
1288	1300	100	Shale and siltstone, dark-gray to black; average texture is coarser toward top; closely resembles interval 1126 to 1200 above
1300	1457	89	Sandstone, light-gray, fine; breaks mostly into individual grains and very small fragments
1457	1470	13	Shale, black, silty
1470	1510	40	Sandstone, light-gray, very fine; mostly quartz; breaks in chips up to about $\frac{1}{2}$ inch; samples also contain some darker shale and siltstone, perhaps avings
1510	1564	54	Siltstone and silty shale, dark-gray to black
1564	1574	10	Sandstone, gray, mostly very fine; a few fragments medium grained
<u>Mauch Chunk Group, 114+ feet</u>			
1574	1597	13	Shale, green, partly silty; contains some small siderite spherulites
1597	1612	20	Shale, red and green, calcareous; siderite spherulites in some of green fragments
1612	1688	76	Sandstone, white to very light yellow, very fine; gas pay 1672 to 1686; above 1600 samples consist mostly of small well rounded chips and below that the samples are broken down mostly to the individual grains, some of which have crystal faces
	1688		Total depth