**Geologic Drill Hole Log & Piezometer As-Built**

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|---|---|---|---|
| Hole No. | 180-26 | Operation Name | Abandoned Nickle Plate Mine "Blowout", McDonald, PA |
| Landowner | Aloe Family Limited Partners | Contract & OSM # | EP 3555440000-05-01; OSM 63(1441)101.1 |
| Sfc. Elev. | 1078.82 | Drilling Method(Date) | air-rotary; 4 3/4" carbide button bit (04/04/05) |
| Surveyed by | PA DEP, BAMR | Driller(License#) | McKay & Gould Drilling Co.(PA-0592); Mike Hollabaugh (driller) |
| Client | PA DEP, BAMR | Municipality/County | North Fayette Township/Allegheny County |
| Remarks | all dimensions in feet, unless noted | Quadrangle | 7½' Oakdale (PR1990) |
| Logged by | Margaret H. Dunn, PG (PA-000771) | Latitude | 40.37675469 Longitude -80.23061369 |

| Depth | Thick-ness | Scale | Lithology | Graphic Log | "As-Built" | Water Level Data DTW | WE | Date | Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | | | | 26.17 | 1052.6 | 04/05/05 | 1015 | WE - rounding discrepancies |
| 0 | 2 | | SBS; lt-bn & org clay, dry | | | 26.68 | 1052.1 | 04/06/05 | 1500 | piezometer not installed as solid Pgh coal |
| | | | | | | 26.50 | 1052.3 | 04/07/05 | 1432 | |
| 2 | 3½ | | clay; OD, dry | | | 27.03 | 1051.8 | 04/09/05 | 0725 | monitored WL then bkfl bentonite & drill chips |
| 5½ | 1½ | | SS & STS; md-gy w/bn zones, dry | | | | | | | |
| 7 | 8 | 10 | STSH; md-gy & bn, dry | | | | | | | |
| 15 | 4 | | SH; dk-gy (@ 15 add rod) | | | | | | | |
| 19 | 29 | 20 | carbonaceous zone, dry<br>@19-19½ SH; carb; silty<br>@19½-22½ STSH; md-gy<br>@22½-25 SH; carb | | | | | | | |
| | | | @25-26 SH; dk-gy | | | | | | | WL before backfilling |
| | | | @26-28 SH; carb | | | | | | | WL before backfilling |
| | | 30 | @28-29½ SH; dk-gy<br>@29½-32 SH; carb | | | | | | | |
| | | | @32-36 SH; dk-gy<br>(@ 35 add rod) | | | | | | | |
| | | | @36-38 coal | | | | | | | |
| | | 40 | @38-39½ CS/SH; md-gy<br>@39½-42 coal | | | | | | | |
| | | | @42-43 SH; md-gy<br>@43-48 coal<br>[Pgh coalbed] | | | | | | | |
| 48 | | 50 | CS & LS; md-gy [Pgh Seatearth] | TD 48½ | | | | | | (drilled dry; rod wet when pulled) |
| | | 60 | | | | | | | | |
| | | 70 | | | | | | | | |
| | | 80 | | | | | | | | |