

Geologic Drill Hole Log & Piezometer As-Built

Hole No.	180-24	Operation Name	Abandoned Nickle Plate Mine "Blowout", McDonald, PA
Road Name	North McDonald Street	Contract & OSM #	EP 3555440000-05-01; OSM 63(1441)101.1
Sfc. Elev.	1091.45 apx.	Drilling Method(Date)	air-rotary; 4 3/4" carbide button bit (03/09/05)
Surveyed by	PA DEP, BAMR	Driller(License#)	McKay & Gould Drilling Co. (PA-0592); Lynn Gould (driller)
Client	PA DEP, BAMR	Municipality/County	McDonald Borough/Allegheny County
Remarks	all dimensions in feet, unless noted	Quadrangle	7 1/2 ' Oakdale (PR1990)
Logged by	Margaret H. Dunn, PG (PA-000771)	Latitude	40.37 Longitude -80.23

Depth	Thick-ness	Scale	Lithology	Graphic Log	Water Level Data				Comments
					DTW	WE	Date	Time	
		0			44.5	1047.0	03/09/05	1706	1-hr. WL measurement WE - rounding discrepancies bkfl w/bentonite (chips) & drill chips
0	1 1/2		asphalt and road base	+++++	X-X-X	X-X-X-X	X-X-X		
1 1/2	4 1/2		fill/regolith; clayey, buff, damp	//////	X-X-X	X-X-X-X	X-X-X		
6	14	10	CS; dry @6-13 CS; lt-org	~~~~~	X-X-X	X-X-X-X	X-X-X		
			@13-15 CS; md-gy	~~~~~	X-X-X	X-X-X-X	X-X-X		
			@15-18 CS; OD (@15 add rod)	~~~~~	X-X-X	X-X-X-X	X-X-X		
			@18-20 CS; md-gy	~~~~~	X-X-X	X-X-X-X	X-X-X		
20	8	20	STS & SH; lt- to md-gy, dry @20-25 STS	-----	X-X-X	X-X-X-X	X-X-X		
			@25-28 SH	-----	X-X-X	X-X-X-X	X-X-X		
28	30 1/2	30	carbonaceous zone, dry @28-29 SH; dk-gy (@ 30 add rod) @29-34 SH; carb & bony		X-X-X	X-X-X-X	X-X-X		
			@34-35 SH; carb		X-X-X	X-X-X-X	X-X-X		
			@35-38 SH; dk-gy		X-X-X	X-X-X-X	X-X-X		
			@38-40 SH; carb		X-X-X	X-X-X-X	X-X-X		
			@40-41 SH; dk-gy		X-X-X	X-X-X-X	X-X-X		
			@41-45 SH; carb		X-X-X	X-X-X-X	X-X-X		
			@45-48 bony & coal (@45 add rod)		X-X-X	X-X-X-X	X-X-X		
			@48-49 SH; carb		X-X-X	X-X-X-X	X-X-X		
			@49-52 coal		X-X-X	X-X-X-X	X-X-X		
			@52-52 1/2 binder		X-X-X	X-X-X-X	X-X-X		
			@52 1/2-58 1/2 coal		X-X-X	X-X-X-X	X-X-X		
58 1/2		60	LS; md-gy [Poh coalbed] [Pgh Seatearth]		X-X-X	X-X-X-X	X-X-X		
		70			X-X-X	X-X-X-X	X-X-X		
		80			X-X-X	X-X-X-X	X-X-X		