Geologic Drill Hole Log & Piezometer As-Built

Hole No.	180-22	Operation Name	Abandoned Nickle Plate Mine “Blowout”, McDonald, PA
Road Name	Fannie Street	Contract & OSM #	EP 3555440000-05-01; OSM 63(1441)101.1
Sfc. Elev.	1144.52	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 ½ ‘ Oakdale (PR1990)
Logged by	Margaret H. Dunn, PG (PA-000771)	Latitude	40.37 Longitude -80.23

Depth	Thick-ness	Scale	Lithology	Graphic Log	“As-Built”	Water Level Data DTW	WE	Date	Time	Comments
		0				86.5	1058.0	03/09/05	1238	1-hr WL
0			TS/SBS							WE - rounding discrepancies
	5									bkfl w/bentonite (chips) & drill chips
5			CS; lt-gy w/ md-org zones, wx							
	5									
		10	@9-10 CS; buff, OD, damp							
10			SH; carb, silty zones, dry							
	12½		(@15 add rod)							
		20								
			@21½-22½ bony [Rdst coal?]							
22½			LS & CS zone, dry							
			@22½-29 LS; md-gy, fn-gn, arg							
			[Rdst ls]							
		30	@29-30 CS, md-gy							
			(@ 30 add rod)							
			@30-64 LS; lt- to md-gy, v. arg							
		40								
			(@45 add rod)							
	52½									
		50								
		60								
			(@60 add rod)							
			@64-69½ CS; md-gy							
		70	@69½ -73 STS/MS; md-gy							
			@73-75 CS; lt-gy							
			(@75 add rod)							
75			carbonaceous zone, dry							
			@75-76½ SH; carb & bony							
			@76½-77 coal & bony							
			@77-85 bony & SH; carb							
		80								
			@85-94 SH; carb							
	30									
		90								
			(@90 add rod; water)							
			@94-97 coal							
			@97-98 SH; carb &bony							
			@98-99 coal & SH; carb							
		100	@99-105 coal							
			[Pgh coalbed]							
105			CS; lt-gy [Pgh Seatearth]	TD 105						