Geologic Drill Hole Log & Piezometer As-Built

Hole No.	180-28	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.	1088.97	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	40.37761361 Longitude -80.23006747

Depth	Thick-ness	Scale	Lithology	Graphic Log	"As-Built"	Water Level Data DTW	WE	Date	Time	Comments
		0				42.35	1046.6	04/05/05	1113	WE - rounding discrepancies
0	2½		SBS; org, clayey, dry			42.80	1046.2	04/06/05	1626	
						43.00	1046.0	04/07/05	1315	
2½			CS zone			42.07	1046.9	04/09/05	0755	
			@2½-8 OD with some buff @4			42.35	1046.6	04/10/05	1044	monitored WL then bkfl bentonite & drill chips
	15½	10	@8-11 dk-brn & gy							
			(@10 damp)							
			@11-13 md-brn, dry							
			@13-14 lt-gy							
			@14-15 md-brn							
			@15-16 buff, dry (@15 add rod)							
			@16-17md-brn							
17	2		STS; lt-brn							
19		20	SH; md-gy, dry							
	4									
23	2		SH; lt- to md-gy							
25	2		SH; md- to dk-gy							
27			carbonaceous zone							
			@27-30 SH; carb, dry							
		30	@30-39 SH; md-gy							
			(@ 35 add rod)							
	27		@39-43 STSH;dk-gy, dry							
		40								WL before backfilling
										WL before backfilling
			@43-47 coal/bony/SH; carb.							
			@47-49 bony parting							
		50	@49-54 coal							
			[Pgh coalbed]							
54	½		CS; (some water) [Pgh Seatearth]							
54½			LS;	TD 54½						
		60								
		70								
		80								