Geologic Drill Hole Log & Piezometer As-Built

Hole No.	180-28A	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.	1089.71	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				43.91	1045.8	04/05/05	1122	WE - rounding discrepancies
0	2 ½		SBS; org, clayey, dry			44.10	1045.6	04/06/05	1633	piezometer not installed as solid Pgh coal
						44.10	1045.6	04/07/05	1320	
2 ½			CS zone			43.82	1045.9	04/09/05	0745	
			@2½-8 OD with some buff @4			43.98	1045.7	04/10/05	1047	monitored WL then bkfl bentonite & drill chips
	14 ½	10	@8-11 dk-brn & gy							
			@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	4	20	SH; md-gy, dry							
23	2		SH; lt- to md-gy							
25			carbonaceous zone							
			@25-27 SH; carb							
			@27-28 coal & bony							
			@28-30 SH; dk-gy							
		30	@30-32 SH; carb							
			@32-33 SH; md-gy							
			@33-40 STSH; md-gy							
			(@ 35 add rod)							
		40								
	31		@40-41 SH; dk-gy							
			@41-42 STS; md-gy							
			@42-43 SH; dk-gy							
			@43-44 SH; carb							__WL__ before backfilling
			@44-45½ coal w/ bony							
			@45½-46 carb SH parting							
			@46-47½ coal/SH; carb							
			@47½-48 coal							
			@48-48½ SH; dk-gy							
		50	@48½-50 coal							
			@50-50½ CS; lt-gy, wet(<1gpm)							
			@50½ -56 coal							
			(@ 51 add rod; water 4-5 gpm)							
			[Pgh coalbed]							
56			LS; lt-gy, v. arg. [Pgh Seatearth]	TD 57						
		60								
		70								
		80								