Geologic Drill Hole Log & Piezometer As-Built

Hole No.	180-27A	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.	1086.24	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	40.37697930 Longitude -80.22957241

Depth	Thick-ness	Scale	Lithology	Graphic Log	"As-Built"	Water Level Data DTW	WE	Date	Time	Comments
		0				44.47	1041.8	04/05/05	1055	WE - rounding discrepancies
0	1½		SBS; lt-brn & md-org, clayey, dry	/ / / / / / / / / / / /	x~x~ x~x~x~x x~x~	44.80	1041.4	04/06/05	1316	piezometer not installed as solid Pgh coal
1½	2		STS & STSH; OD	-.-.-.-.-.-.-.-.-.-	~x~x ~x~x~x~ ~x~x	45.80	1040.4	04/07/05	1037	
				----------	x~x~ x~x~x~x x~x~	45.02	1041.2	04/09/05	0746	
3½	1½		LS; OD & md-gy, v. arg.,	I-I-I-I-I-I-I-I-I-I-I	~x~x ~x~x~x~ ~x~x	45.12	1041.1	04/10/05	1055	monitored WL then bkfl bentonite & drill chips
			sl. fizz, dry	I-I-I-I-I-I-I-I-I-I-I	x~x~ x~x~x~x x~x~					
5			CS; md- to lt-gy & md-org, wx, dry	~~~~~~~~~~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
		10		~~~~~~~~~~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
			(@ 15 add rod)	~~~~~~~~~~~	x~x~ x~x~x~x x~x~					
15			CS; md-brn	~~~~~~~~~~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
		7		~~~~~~~~~~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
		20		~~~~~~~~~~~	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
22			CS/STS; md-brn	-.-.-.-.-.-.-.-.-.-	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
	5			-.-.-.-.-.-.-.-.-.-	x~x~ x~x~x~x x~x~					
				~~	~x~x ~x~x~x~ ~x~x					
27			carbonaceous zone		x~x~ x~x~x~x x~x~					
			@27-30 ½ SH; carb, dry		~x~x ~x~x~x~ ~x~x					
			Some bony present		x~x~ x~x~x~x x~x~					
		30			~x~x ~x~x~x~ ~x~x					
			@30½ -36 SH; md-gy to dk-gy	----------	x~x~ x~x~x~x x~x~					
				----------	~x~x ~x~x~x~ ~x~x					
				----------	x~x~ x~x~x~x x~x~					
				----------	~x~x ~x~x~x~ ~x~x					
				----------	x~x~ x~x~x~x x~x~					
			(@ 35 add rod)	----------	~x~x ~x~x~x~ ~x~x					
			@36-44½ SH; dk-gy	----------	x~x~ x~x~x~x x~x~					
				----------	~x~x ~x~x~x~ ~x~x					
				----------	x~x~ x~x~x~x x~x~					
		40		----------	~x~x ~x~x~x~ ~x~x					
	28½			----------	x~x~ x~x~x~x x~x~					
				----------	~x~x ~x~x~x~ ~x~x					
				----------	x~x~ x~x~x~x x~x~					
					~x~x ~x~x~x~ ~x~x					
			@44½ -46 coal		x~x~ x~x~x~x x~x~					__WL__ before backfilling
			(@ 45 add rod)	----------	~x~x ~x~x~x~ ~x~x					
			@46- 49 coal & SH:dk-gy; intrbd		x~x~ x~x~x~x x~x~					
				----------	~x~x ~x~x~x~ ~x~x					
					x~x~ x~x~x~x x~x~					
		50	@49-51½ CS; parting, lt-gy	~~~~~~~~~~~	~x~x ~x~x~x~ ~x~x					
				~~	x~x~ x~x~x~x x~x~					
			@51½ - 55½ coal		~x~x ~x~x~x~ ~x~x					
					x~x~ x~x~x~x x~x~					
			(@ 55 add rod)		~x~x ~x~x~x~ ~x~x					
			[Pgh coalbed]		x~x~ x~x~x~x x~x~					
55½			LS; lt to md-gy [Pgh Seatearth]	I-I-I-I-I-I-I-I-I-I-I	~x~x ~x~x~x~ ~x~x					
				TD 55½						
		60								
		70								
		80								