CORRECTION(S) TO WATER WELL RECORD (WWC-5)

	(to rectify lacking or inco	orrect information) Cou	nty: Crawford
Location listed as:		Location cha	
Section-Township-Range:	1-30 (35E)	<u>-</u>	19-30-25E
Fraction (1/4 1/4 1/4):		_	SW SE NE
Other changes: Initial statements:			
Changed to:			
Comments:			
verification method:	ocation in	Pittaburg	, County map
			initials: <u>Adate: 7/30/07</u>

submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3726 to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367.

	WA	TER WELL REC	CORD F	orm WWC-5	KSA 82a-	1212 ID	No. ML	W-4		_
1 LOCATION OF WAT		Fraction				tion Numbe		Township Numbe	r	Range Number
County: (AN FOR					/4	19		30	S	R 35 EW
Distance and direction fr										
Southwest or	- Free	section of	F Pine	: 137	AUE A	pprox	22	Feet		
2 WATER WELL OWN										
RR#, St. Address, Box #		rch 57.								on of Water Resources
City, State, ZIP Code		PA. 17			16			Application Num		
3 LOCATE WELL'S LOC AN "X" IN SECTION E	-									
AN X IN SECTION E		WELL'S STAT	ndwater End IC WATER L	EVEL	ft. beld	ow land sur	π. 2 face meas	sured on mo/day/	π. 3 /vr	ft.
		Pu	mp test data	a: Well wate	r was	f	ft. after	h	ours pumpii	ng gpm
NW	- NE									ng gpm
	1	WELL WATER 1 Domestic			Public water s Dil field water	1 1 2			11 Injection 12 Other	on well (Specify below)
W	E	2 Irrigation						nitoring well		
	i								_	
SW	- SE	Was a chemic	al/bacteriolo	gical sample	submitted to	Department	t? Yes	No; If	yes, mo/da	y/yrs sample was sub-
	!	mitted					Water We	ell Disinfected? Y	'es	20
S										
5 TYPE OF BLANK C			5 Wrough		8 Concre			CASING JOINTS		Clamped
Steel VC	3 RMP (SI 4 ABS _	국)	6 Asbesto 7 Fibergla	os-Cement		(specify bel	,			
Blank casing diameter .	F7	in to								
Casing height above lar										
TYPE OF SCREEN OR			, , , , , , , , , , , , , , , , , , , ,	J	(D)		.,,,,	10 Asbesto		
1 Steel	3 Stainless		5 Fibergl			1P (SR)			. ,	
2 Brass	4 Galvaniz		6 Concre	te tile	9 AB	S		12 None us	ed (open h	ole)
SCREEN OR PERFOR					ed wrapped			aw cut rilled holes	11	None (open hole)
1 Continuous slot2 Louvered shutter		fill slot Ey punched		7 Torch	wrapped cut					ft.
SCREEN-PERFORATE			6	ft. to	16	ft Er		() , , ,		ft,
CONECIA I EM CHAIL	D INTERVALO.			ft. to						ft.
GRAVEL PAC	K INTERVALS									ft.
		From		ft. to		tt., ⊢ro	om		tt. to	ft.
6 GROUT MATERIAL	1 Nea	t cement	2 Cem	ent grout	Ben	tonite	4 Othe	·r		
Grout Intervals: From	2	ft. to		From	ft. f		ft.	, From	ft.	toft.
What is the nearest sou	•					10 Liv	estock pe	ens	14 Aband	doned water well
 Septic tank 				7 Pit privy			_	:	15 Oil we	ell/Gas well
2 Sewer lines	5 Cess	,		8 Sewage	9		rtilizer sto	•	16 Other	(specify below)
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage										
Direction from well? FROM TO		LITUOLOGI	0100		FDOM	Γ	nany feet [*]		INO INTER	
FROM 10	6 Ca A =	LITHOLOGI	borina	7	FROM	ТО		PLUGG	ING INTER	VALS
	SEC AT	IKHEL	born	109						
	JB- UIC									
							-			
				<u></u>						
1					 					
					-		-			
					-		<u> </u>			
					-					
7 0001704070010 0	D I ANDOMA	DIO CEDTICIO	ATION: T::		1					
CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year)										
Water Well Contractor's Licence No										
under the business nam		nonmental					by (signat			
INSTRUCTIONS: Use type	writer or ball point p	en. PLEASE PRESS	FIRMLY and PF	MNT clearly. Pleas	e fill in blanks, un	derline or circle	the correct	answers. Send for	ee copies to Ka	insas Department of Health
and Environment, Burreau of Water, Geology Section, 1000 SW Jacksom St., Suite 420, Topeka, Kansas 66612-1367. Telephone 785-296-5522, Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.										



RECORD OF SUBSURFACE INVESTIGATION

BORING IDENTIFICATION: SB-016 PAGE 1 OF 1

CLIENT: Metso Minerals

PROJECT NAME: Voluntary Cleanup Investigation

SITE LOCATION: Pittsburg, KS

DRILLING LOCATION:

PROJECT NUMBER: JG0073.323

DATE DRILLED: 1/04/2007

ELEVATION:

DRILLING METHOD: Geoprobe

GEOLOGIC DESCRIPTION	FT	No	REC%	TPV (ppm)	COMMENTS
Gravel 0.5 inch, poorly sorted	1	0-2	XLEO 70	(ppiii)	AME S-061 @ 1'
Orange poorly sorted sandy gravel	2	0-2	70		
Dark red clay	3	2-4			
	4				AME S-062 @ 4' AME S-063 @ 4' Duplicate
Tan brown clay	5	4-6			
Tan brown clay	6				
	7	6-8			
Hard clay coal mixture	8		60		
	9	8-10			
Coal silt compacted hard	10				AME S-064 @ 10'
	11	10-12			Refusal @ 11'
TAN/GRAY Clay	12		45		
	13	12-14			
TAN GRAY STREAMS OF Orange Clay	14				
	_ 15	14-16			
SET WELL @ 16'	16				
	17	16-18			
	18				

Sample Submitted for Analysis

Sample Number No =

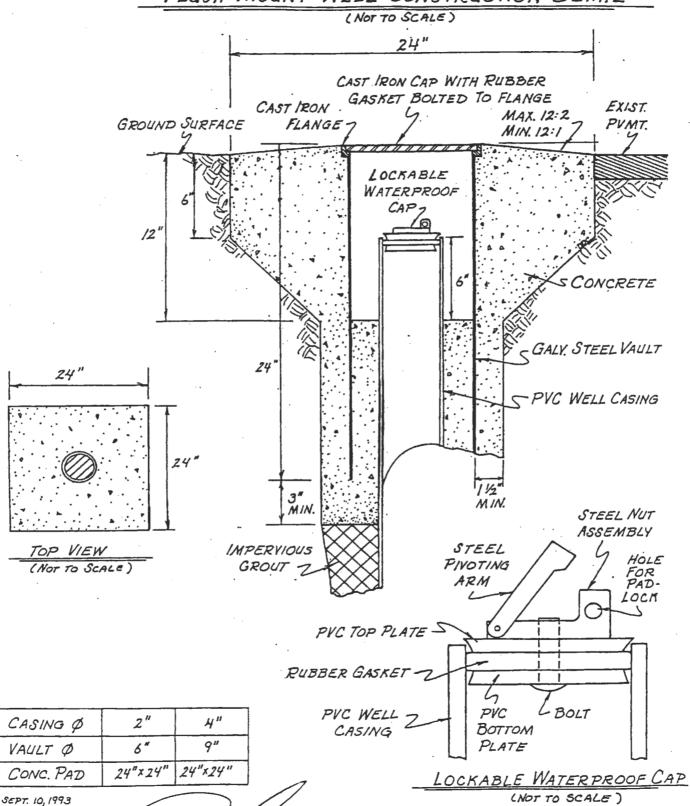
Stratum Depth in Feet Below Grade FΤ =

Parts Per Million ppm

Percent of Total Sample Recovered **REC** = **TPV** Total Photoionizable Vapors

ST#	SOIL	BORING LOG	BORING NUMBER						
R#	OVERSEEING GE		J - &						
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	OVERSEEING GE	OLOGIST	l ,	/					
SITE NAME	DRILLING METH	00	XDS Environ of late SAMPLING METHOD						
	1	OD	1						
SITE ADDRESS	Geoprobe BOREHOLE DIAM	METER	Geoprobe macrocore SAMPLING INTERVAL						
FORMER GRANDBY MINING SITE ADDRESS 1308 N. Walnut P. Heberg KE	8.2		Centmens						
DATE OF BORING	TOTAL BORING		STATIC WATER LEVEL,						
6-18-07 - 6-21-07	16		APPROX 7'						
Boring Construction Details	Approx. Depth in Feet	Lithographic Description and F	Remarks	PID Reading (ppm)	Sample Identification				
2' I Grant SEAL 2' I SEAL CEME SEAL PUL	10 15 20 25 30 35 35 35	RISER KS 6' Drilling Cicense # 16' 753							
	40								
BAR HOLE	45	A							
COMMENTS:	50			<u> </u>					
COMMENTS:									
Limestone Silt Sandstone Clay Chert Sand	Sc	ind iil ravel							

FLUSH- MOUNT WELL CONSTRUCTION DETAIL



8' x 12" Manhole with watertight gasket. EMi (Manufacturer)

