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.

WATER WELL RECORD For	m WWC-5	KSA 82a-1	1212 ID N	10.MW.3			
1 LOCATION OF WATER WELL: Fraction		I	tion Number	Townshi	ip Number	_	Number
	NE		19	Т	30 s	R 3	2 DW
Distance and direction from nearest town or city street address of we					- 1		
WEST OF Intersection of PINE ST		3 MAUE	APPA	LOK 10.5	Feel		
2 WATER WELL OWNER: Metso Minerals Tadastries							
RR#, St. Address, Box # : 24° Auch 51. Po Box 13 City, State, ZIP Code : Your Pa 12 yos 7212					of Agriculture, ation Number:	Division of Wat	er Resources
City, State, ZIP Code : Your Pr 17405- 7312 3 LOCATE WELL'S LOCATION WITH 4 DEPTH OF COMPLETED	MELL	16	# ELEV/				
AN "X" IN SECTION BOX: Depth(s) Groundwater Encountries							
WELL'S STATIC WATER LE	ک VEL		w land surface	ce measured or	n mo/day/yr		
Pump test data:	Well water	r was	ft.	after	hours	pumping	gpm
NW NE - Est. Yield gpm: WELL WATER TO BE USED		r was Public water s		after 8 Air conditio		pumping Injection well	gpm
1 Domestic 3 Feedle		Oil field water		9 Dewatering	•	Other (Specify	below)
W E 2 Irrigation 4 Indust	trial 7	Domestic (law	n & garden)	6 Monitoring	well		······································
1 1							
SW SE Was a chemical/bacteriologic	cal sample	submitted to [mo/day/yrs san	nple was sub-
mitted			V	later Well Disini	tected? Yes	1	(No)
S							
5 TYPE OF BLANK CASING USED: 5 Wrought 2 Steel 3 RMP (SR) 6 Asbestos		8 Concre	ete tile (specify belov			ed Clar Ided	
2) PVC 4 ABS 7 Fiberglas				v) 		eaded	
Blank casing diameter in. to							
Casing height above land surfacein., weig							
TYPE OF SCREEN OR PERFORATION MATERIAL:		ZPV	С		Asbestos-Ce		
1 Steel 3 Stainless Steel 5 Fiberglas			1P (SR)		, ,	y)	
2 Brass 4 Galvanized Steel 6 Concrete		9 AB	5		None used (d	,	
SCREEN OR PERFORATION OPENINGS ARE:		zed wrapped wrapped		8 Saw cut 9 Drilled ho	Noc	11 None (or	oen hole)
1 Continuous slot 2 Louvered shutter 3 Mill slot 4 Key punched	7 Torcl			10 Other (sp	pecify)		ft.
SCREEN-PERFORATED INTERVALS: From 6	ft to	16	ft From	1	ft i	to	ft
From							
GRAVEL PACK INTERVALS: From							
From	זז. זס		tt., Fron	1	π. 1		II.
6 GROUT MATERIAL: 1 Neat cement 2 Cemer	nt grout	3 Bent	tonite	4 Other			
Grout Intervals: From	rom	ft. t	0	ft., From	***************************************	ft. to	ft.
What is the nearest source of possible contamination:			10 Lives	stock pens	14	Abandoned wa	ater well
1 Septic tank 4 Lateral lines	7 Pit privy		11 Fuel	storage	15	Oil well/Gas w	ell
	8 Sewage	-	12 Ferti	lizer storage	16	Other (specify	below)
	9 Feedyar	rd		cticide storage			
Direction from well?		55014	How ma	iny feet?			
FROM TO LITHOLOGIC LOG	77	FROM	ТО		PLUGGING	INTERVALS	
SEE Little Bornes	56			W.C.			·
609 58-017							
	-						
				· .			
		_					
	-		-				
	-						
7 CONTRACTOR'S OR LANDOWNER'S OFFICICATION THE	votor wall	uno (A)	unted (0)	onotrusta-l	(2) plugg==	ndor mar instant	ation and
CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This w	vater well v	vasionstr	ucted, (2) fec and this r	ecord is true to t	(a) plugged u	haer my jurisai knowledae and	belief Kansas
Water Well Contractor's Licence No	. This Wate	r Well Record	was complet	ed on (mo/day/	(yr) 6-22	207	
under the business name of Environmental Works				(signature)	ralle		
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRIN	IT clearly. Pleas	se fill in blanks, un	derline or circle th	ne correct answers. S	Send top mee cop	ies to Kansas Depar	rtment of Health

records. Fee of \$5.00 for each constructed well.



RECORD OF SUBSURFACE INVESTIGATION

BORING IDENTIFICATION: SB-017 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

CEOLOGIC DESCRIPTION	FT	NI-	DEC6	TPV	COMMENTS
GEOLOGIC DESCRIPTION	FI	No	REC%	(ppm)	COMMENTS AME S-065 @ 1'
Soft orange and black clay	_1_	0-2	55		
	2				
Soft tannish brown, clay	3	2-4		-	
	4				
Orange and black clay	5	4-6	70		AME S-066 @ 5'
Black coal	6				
	7	6-8			
	8				
	9	8-10			AME S-067@ 9'
	10				Refusal @ 10'
Black Coal 10-12'	11	10-12			
	12				
TAN Gray with ORANge STREAKS Clay	13	12-14			
STREAKS Clay	14				
TAN/GREY Clay	15	14-16			
Sand some set well E16"	16				
	17	16-18			
	18				

* = Sample Submitted for Analysis

No = Sample Number

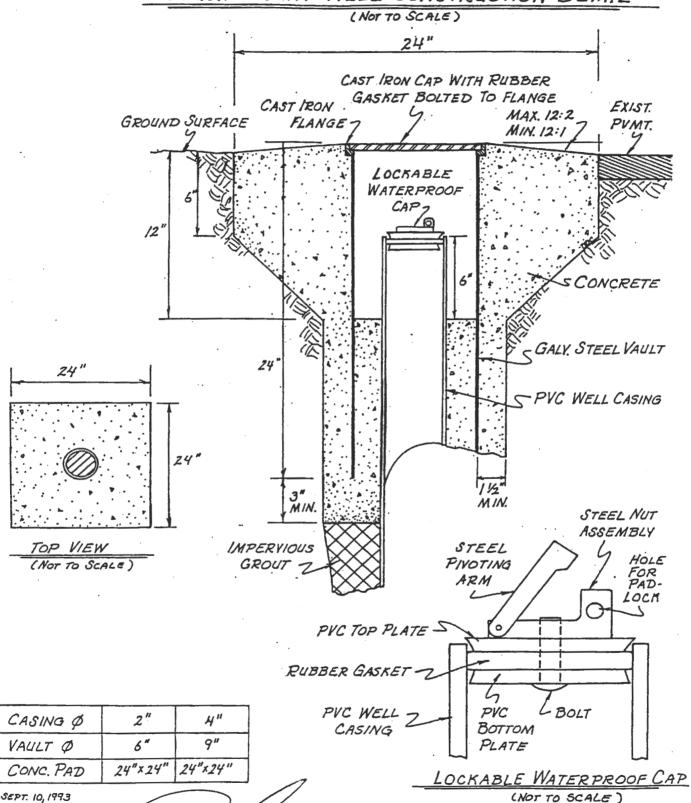
FT = Stratum Depth in Feet Below Grade

ppm = Parts Per Million

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

ST#	SOIL BORING LOG	BORING NUMBER
R#	OVERSEEING GEOLOGIST	DRILLER
		XDS / Enumerical West
SITE NAME	DRILLING METHOD	SAMPLING METHOD
FORMER GRANDBY MINING	Geoprobe	Geoprobe macrocore
SITE ADDRESS	BOREHOLE DIAMETER	SAMPLING INTERVAL
1308 N. Walnut P. Hobery Ks	8.75"	Centimeous
DATE OF BORING 6-18-07 - 6-21-07	TOTAL BORING DEPTH	APPROX 7
Boring Construction Details	Approx. Depth in Feet Lithographic Description and F	Remarks PID Reading Sample (ppm) Identification
2' I' Grant SEAL 2' I' SEAL CEME SEAL	10 RISER KS 5 DAIlling Cicense # 10 753 15 30 35	
BIE HALE	45 ———	
	50	
COMMENTS:		
10	11/	
Limestone Silt	Sand	
Sandstone Clay	Soil	
Chert	Gravel	

FLUSH- MOUNT WELL CONSTRUCTION DETAIL



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

