LOCATION OF WATER WELL: Fraction Sw 1/5 sw 1/							Γ	AS = 107		
County Page Ab Tr Distance and pretroin from nearest layor or city stere address of well if located within city? **EC, FS 64/15** **Distance and pretroin from nearest layor or city stere address of well if located within city? **EC, FS 64/15** **Distance and pretroin from nearest layor or city stere address of well if located within city? **EC, FS 64/15** **Distance and pretroin from nearest layor or city stere address of well if located within city? **EC, FS 64/15** **Distance and pretroin from nearest layor or city and in the city of the city				Form WWC-5			resources, ripp. 110.			
Latitude: Latitude: Legis	1 LOC	CATION (OF WATER WELL:	Fraction	Section N	Number				
Latitude	Coun	ity: PV	andote	SW 1/4 SW 1/4 SW	1/4 Z)	• • •				
Longitude: Lon	Dista	ince and di	rection from nearest town or c	ity street address of well if		_	Systems (decimal deg	rees, min. of 4 digits)		
Elevation: RRB, St. Address, Box # F-abs-855 Kanawka T-rapke City, State, ZIP Code Spart Clare Spart Zero W Z-57-3 Both Collection Method: 1 LOCATE WELL'S 4 DEPTH OF COMPLETED WELL S. F. C. 1 LOCATION SECTION BOX: NOW THAN "X" IN SECTION BOX: NOW THAN "X" IN SECTION BOX: NOW Purpless data: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f. after hours pumping ggm Est. Yield ggm: Well water was f.	1/2 Bla		L FF. A. A. Rough	inches 0,0						
RR#, St. Address, Blook # 1.4.6.8.83.41 Kenswik 1-7-Piks City, State, ZIP Code	2 WA'	TER WEI	LOWNER: On Chemi	cel Corp.	Longitud	Longitude:				
City, State, ZIP Code Sund Clare Sund Clare Wull Zoon Data Collection Method:	RR#	, St. Addre	ess, Box # : P.O. Box 8361	KanawhaThrapil		n:				
Depth(s) Groundwater Encountered 10				•	Datuiii.	llootion N	Mathad			
Depth(s) Groundwater Encountered 11	3 100	ATF WE	I I 'S 4 DEPTH OF COM	DIFTED WELL 5	8. O	nection i	viemou.			
WITH AN "X" IN SECTION BOX: NECTION BOX: N	ı		LE 5 4 DEI THOF COM	ILETED WELL		11.				
SECTION BOX: N WELL'S STATIC WATER LEVEL. Z. 5.4.6. ft. below land surface measured on moredaylyr. Pump test data: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Est. Yield. gpm: Well water was. ft. after. bours pumping. gpm Hill Lingction well Injection well Ant. Part 5 yell Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering Oother (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Ant. Part 5 No. X if yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No. X if yes, mo/day/yrs Sample was submitted. Welded. Int. O. A. Pibigraghs From S. A. G. A. A. Selling John S. Welded. Int. O. A. A. Selling John S. Welded. TYPE OF SCREEN OR PERFORATION MATERIAL: I Steel 3 Stainless Steel 5 Fiberglass 2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) Entry of the selling John Scale Company of the selling John Scal	l		'IN Depth(s) Groundwate	r Encountered (1)	ft.	(2)	ft. (3)	ft.		
Pump test data: Well water was. ft. after. bours pumping. gpm WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well below well was was a chemical/bacteriological sample submitted to Department? Yes. No If yes, mo/day/yrs Sample was submitted. Water supply 9 Devatering Other (Specify below) Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No No If yes, mo/day/yrs Sample was submitted. Water well disinfected? Yes. No No If yes, mo/day/yrs Sample was submitted. Casing height above land surface No If yes, mo/day/yrs Sample was submitted. Casing height above land surface No If yes, mo/day/yes No	SEC	TION BO	X: WELL'S STATIC W.	ATER LEVEL. 2.5.4.8	ft. below lan	d surface	measured on mo/day/	yr		
WELL WATER TO BE USED AS: 5 Public water supply 9 Air conditioning 1 Incection well 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Other (Specify below) 2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well Other (Specify below) 3 was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted. Was a chemical/bacteriological sample submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes, mo/day/yrs Sample was submitted to Department? Yes No If yes mo/day/yrs If yes Yes If yes If yes If yes		N	Pump test dat	a: Well water was	ft. after.		hours pumping	gpm		
Domestic Security			Est. Yieldgpi	m: Well water was	ft. after.		hours pumping	gpm		
2 Irrigation 4 Industrial 7 Domestic (lawn & garden) 10 Monitoring well	NV	V NE	WELL WATER TO I	BE USED AS: 5 Public w	ater supply	8 Air c	conditioning 11 Inje	ection well		
Was a chemical/bacteriological sample submitted to Department? Yes	w	\perp	E 1 Domestic 3 Fee	edlot 6 Oil field wat	er supply	9 Dew	ratering (2)Oth	er (Specify below)		
Was a chemical/bacterological sample submitted to Department? Yes	1	'	I	dustriai / Domestic (la	wn & garden)	10 Mon	itoring well ./2	x12/2		
Sample was submitted	SW	V SE	Was a chemical/bacte	riological sample submitte	d to Departmen	nt? Ves	$N_0 \times$.	If yes molday/yrs		
STYPE OF CASING UP (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 3 RMF (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 3 RMF (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 3 RMF (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 3 RMF (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 3 RMF (SR) 6 Asbestos-Cement 9 Other (specify below) Steel 4 RMF (SR) 6 Asbestos-Cement 10 RMF (SR) 10 RM	x									
Size 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded		S			,, 4,01 ,, 611 4151		100			
Size 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded	5 TYPE	E OF CAS	ING USED: 5 Wrought	Iron & Concrete	tile	CASINO	GIOINTS: Glued	Clamped		
Triberglass				s-Cement 9 Other (sp	ecify below)	CASHVC	Welded	Clamped		
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) SCREEN OR PERFORATION (DEENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) SCREEN-PERFORATED INTERVALS: From. 5.7. ft. to 5.7. ft. From. ft. to ft. Fro	(2)	PVO	4 ABS 7 Fiberglas	SS			Threadea	×		
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) SCREEN OR PERFORATION (DEENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) SCREEN-PERFORATED INTERVALS: From. 5.7. ft. to 5.7. ft. From. ft. to ft. Fro	Blank ca	sing diam	eter	ft., Diameter	in. to	ft.,	Diameter j	n. toft.		
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless Steel 5 Fiberglass 2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) SCREEN OR PERFORATION (DEENINGS ARE: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) SCREEN-PERFORATED INTERVALS: From. 5.7. ft. to 5.7. ft. From. ft. to ft. Fro	Casing h	neight abov	ve land surface2	in., Weight	lbs./ft.	Wall thic	kness or guage No. 🕏	ch. 40		
2 Brass 4 Galvanized Steal 6 Concrete tile 8 RM (SR) 10 Asbestos-Cement 12 None used (open hole) SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot Mill slot 5 Gauzed wrapped 7 Torch cut 9 Drilled holes 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 8 Saw Cut 10 Other (specify) SCREEN-PERFORATED INTERVALS: From 7. ft. to 7. ft. from ft. to ft. from ft. to 7. ft. from ft. to ft. fr. from ft. to ft. fr. from ft. ft. fr. fr. from ft. ft. fr. fr. fr. fr. fr. fr. fr. fr. fr. fr	TYPE O	F SCREE	N OR PERFORATION MAT	ERIAL:						
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From f. to f., From f. to f. f. GRAVEL PACK INTERVALS: From f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. GROUT MATERIAL: 1 Neat cement Coment grow 3 Bentonite 4 Other Grout Intervals: From f. to f. f. from f. to f. f. from f. to f. f. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 13 Insecticide Storage (6) Other (specify 2 Sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well below) 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well 15 Oil we	2	Continuou Louvered s	shutter 4 Key nunched 6 V	Vire wrapped / Torci	Cut 9 Drii	er (chacif	11 None (open no	ole)		
From f. to f., From f. to f. f. GRAVEL PACK INTERVALS: From f. to f. f. from f. to f. f. GRAVEL PACK INTERVALS: From f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. From f. f. to f. f. from f. to f. f. GROUT MATERIAL: 1 Neat cement Coment grow 3 Bentonite 4 Other Grout Intervals: From f. to f. f. from f. to f. f. from f. to f. f. What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 2 Sewer lines 5 Cess pool 8 Sewage lagoon 1 I Fuel storage 13 Insecticide Storage 6 Other (specify 2 Sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well 12 Fertilizer Storage 15 Oil well/gas well 12 Fertilizer Storage 15 Oil well/gas well 14 Abandoned water well below) FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS FROM TO LITHOLOGIC LOG This water well was Donstructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12 - 5 - 9 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 60 from the complete on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record was completed on mo/day (year) 1 - 10 - 9 and this record is true to the best of my knowledge and belief. Water Well Record	SCREEN	N-PERFOI	RATED INTERVALS: From	57 ft to 5	F ft	From	ft to	ft		
Grout Intervals: From			From	ft. to	ft	From	ft. to	ft.		
Grout Intervals: From		GRAVEL	PACK INTERVALS: From	.5.8 ft. to 5	 ft.,	From	ft. to	ft.		
Grout Intervals: From			From	.5.6 ft. to .5.	3 ft.,	From	ft. to	ft.		
Grout Intervals: From				-						
What is the nearest source of possible contamination: 1 Septic tank 4 Lateral lines 7 Pit privy 2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 12 Fertilizer Storage 15 Oil well/gas well 15 Oil well/gas well 15 Oil well/gas well 15 Oil well/gas well 16 Oil well/gas well 17 FROM 10 LITHOLOGIC LOG 10 FROM 10 PLUGGING INTERVALS TO SETTIFICATION: This water well was 1 onstructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12.—5.—9. and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 20 This Water Well Record was completed on (mo/day/year) 10 .										
1 Septic tank 2 Lateral lines 7 Pit privy 2 Sewer lines 5 Cess pool 8 Sewage lagoon 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well 5 Oil well/gas well 6 Seepage pit 9 Feedyard 15 FROM TO 15 PLUGGING INTERVALS 15 OIL WALLS					It. to	π	., From	n. ton.		
2 Sewer lines 5 Cess pool 8 Sewage lagoon 11 Fuel storage 14 Abandoned water well below 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well 15 Oil well/gas w					vestock nens	13 Inc	ecticide Storage	6Other (specify		
3 Watertight sewer lines 6 Seepage pit 9 Feedyard 12 Fertilizer Storage 15 Oil well/gas well How many feet? How many feet? 15 Oil well/gas well 15 Oil well/gas well 15 Oil well/gas well 16 FROM TO PLUGGING INTERVALS 17 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was 1 onstructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 12 - 5 - 0 and this record is true to the best of my knowledge and belief. 18 Kansas Water Well Contractor's License No 2. 6 This Water Well Record was completed on (mo/day/year) 10 which is the complete of the complete on (mo/day/year) 10 which is the compl				1 2						
Direction from well? How many feet? FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS 7 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) / 2 - 5 - 0 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 2								Old Air Spane		
7 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) / 2 - 5 - 0 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No 60 This Water Well Record was completed on (mo/day/year) / 2 - 0 by (signature) by (signature) by (signature) INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson 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. Visit us at				•	_		_	Points		
Kansas Water Well Contractor's License No	FROM	TO	LITHOLOGIC	C LOG FI	ROM TO		PLUGGING INTE	ERVALS		
Kansas Water Well Contractor's License No										
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Kansas Water Well Contractor's License No	7 CONT	RACTO	2'S OR LANDOWNED'S C	ERTIFICATION: This ::	ater well was	(1) donates	ucted (2) reconstructs	od or (3) plugged		
Kansas Water Well Contractor's License No	under my	v inrisdicti	on and was completed on (mo	/day/year) /2-5-06	and this recor	d is true to	o the hest of my know	ledge and helief		
by (signature) INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRESS FIRMLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson 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. Visit us at	Kansas V	Water Well	Contractor's License No.	0.6 This Water Wel	l Record was o	omnleted.	en (mo/day/vear)	-/0-U7		
INSTRUCTIONS: Use typewriter or ball point pen. <u>PLEASE PRESS FIRMLY</u> and <u>PRINT</u> clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Geology Section, 1000 SW Jackson 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 <u>constructed</u> well. Visit us at	under the	e business	name of PSA Environ	mental	by (signatu	re)	on (morally/year)			
785-296-5522. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well. Visit us at	INSTRUC	TIONS: Us	e typewriter or ball point pen. PLE	ASE PRESS FIRMLY and PRINT	clearly. Please fi	ill in blanks.	underline or circle the con	rrect answers. Send top		
		s to Kansas	Department of Health and Environme	ent, Bureau of Water, Geology Se	ection, 1000 SW Ja	ackson St., S	Suite 420, Topeka, Kansas	66612-1367. Telephone		
ampar w w waterness. gov/ water well/ index. indin.				ver and retain one for yo	ur records. Fe	æ or \$5.0	o for each constructed	well. Visit us at		



PROJECT NUMBER 350383 BORING NUMBER

AS-103

SHEET 1 OF 2

SOIL BORING LOG

PROJECT:	Dow Unison System Optimization	LOCATION: Kansas City, Kansas
ELEVATION:	747.65 feet amsi	DRILLING CONTRACTOR PSA Environmental
DOULLING METER	OD AND FOUNDMENT LICED .	C

DRILLING METHOD AND EQUIPMENT USED: Geoprobe 6600 Rig								
	WATER LEVELS : Not observed				12/05/06 8:45 END: 12/05/06 11:57	LOGGER : Glynn Roberts		
DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS		
	INTERVAL (FT)		PENETRATION					
1	1	RECOVERY (IN)		TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,	DEPTH OF CASING, DRILLING RATE,		
1	l	#/TYPE		RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	DRILLING FLUID LOSS,		
1	i	1 1 1		6"-6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	TESTS, AND INSTRUMENTATION.		
	<u> </u>			(N)	MINERALOGY.	OVM (ppm): Breathing Zone Headspace		
					0-40" Not Logged			
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PROJECT NUMBER

350383

BORING NUMBER AS-103

SHEET 2 OF 2

SOIL BORING LOG

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PROJECT: Dow Unison System Optimization				om Optimization	LOCATION: Kansas City, Kansas				
					DRILLING CONTRACTOR PSA Environmental				
DRILLIN	G METH	OD AND I	EQUIPME	NT USED :	Geoprobe 6600 Rig				
				START :	12/05/06 8:45 END : 12/05/06 11	1:57	LOGGER : Glynn Roberts		
				STANDARD	SOIL DESCRIPTION	П	COMMENTS		
			· -	PENETRATION		-1			
l		RECOVE	DV (INI)	TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,	- i	DEPTH OF CASING, DRILLING RATE,		
l .	Į.		#/TYPE	RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	- 1	DRILLING FLUID LOSS.		
i	ì	1		6"-6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	- 1	TESTS, AND INSTRUMENTATION.		
	1	1	1	(N)	MINERALOGY.	ı	OVM (ppm): Breathing Zone Headspace	_	
	\vdash	 			mileto-coor.	┪	orm (ppm). Excelling Early 170	_	
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	40-45	36"	GP	-					
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-	1					-1		-	
45	1					- !		- 1	
*°					45' SILT (ML), gray, wet	ᅥ		\neg	
_						J		_	
	1					- 1		- 1	
						-1		-1	
	45-50°	48"	GP	~	47.5' FAT CLAY (CH), gray, wet	\dashv		_1	
_	į	1			48' SAND (SP), medium-grained, gray, wet	\neg		1	
-	l	{			48.2' Clay seam	-1		-	
50	-	i i				- 1			
~ ~					50" SAND (SP), coarse-grained, gray, black sand			-	
					seam and trace coal at top of sample interval,	J		J	
					wet	7			
-						-		-	
	50-55'	60"	GP	-				J	
-						1		_	
_						1		_	
						- 1			
55	<u> </u>				55' Brown and gray	-1		-	
					55' Brown and gray 57' SANDY-CLAY (CL), wet 57.5' FAT CLAY (CH) with gravel, wet	\dashv		_	
_					57.5' FAT CLAY (CH) with gravel, wet	\Box		-	
_					57.7' SAND (SP), coarse-grained, brown and	-1		-	
	55-60'	60"	GP	_ 1	gray, wet 59' FAT CLAY (CH), gray, wet			ı	
_					59.3' SAND (SP), brown and gray, wet 59.8' FAT CLAY (CH), gray, wet	-1		-	
_					59.8' FAT CLAY (CH), gray, wet	\Box		1	
60					59.9' SAND (SP), coarse-grained, trace	- 1			
60					gravel, wet Boring terminated at 60 feet bgs			_	
GP = G					COLUMN CO				