WATER WELL REG	^ORD	Form WWC-	.5	Division o	of Water	Resources;	Ann No	PMW-8
1 LOCATION OF WA			Ť	Section Nun		Township		Range Number
County: Seds W	ick	SW 1/4 SE 1/4 S	W 1/4	27		T 26		R BW
Distance and direction	from nearest town or	city street address of we	ell if	Global Posit	ioning			grees, min. of 4 digits)
		•	1	Latitude:				, ,
21	po E. 37- St./	N. Wichita, 1 Painting Inc. 1252. North	<5	Longitude:				
2 WATER WELL OW	VNER: Hillagn	PRINTING INC.		Elevation:				
RR#, St. Address, Bo	x# :2000 E.3	7352. North		Datum:				
City, State, ZIP Code	Wichiza	KS 677.19			ction N	Method:		
3 LOCATE WELL'S	4 DEPTH OF COM	KS 67219 IPLETED WELL	34.0)	ft.	.10111041		
LOCATION	. 22111101 0011							
WITH AN "X" IN	Depth(s) Groundwater Encountered (1)							
SECTION BOX:	WELL'S STATIC W	ATER LEVEL.55.	5ft.	below land s	surface	measured o	on mo/day	/yr
N	Pump test da	ta: Well water was		ft. after		hours	oumping	gpm
	Est. Yieldgp	m: Well water was		ft. after		hours	pumping	gpm
NW NE		BE USED AS: 5 Publ						
W E				pply				her (Specify below)
	2 Irrigation 4 Ir	ndustrial 7 Domesti	c (lawn &	& garden) 🕻	O Mon	itoring wel	1	
SW r SE							~	
	Was a chemical/bacte	eriological sample subn	nitted to	Department?	Yes	No	;	If yes, mo/day/yrs
	Sample was submitte	:d	. Wate	r well disinfe	ected?	Yes	. No . X .	••••
S								
5 TYPE OF CASING U	JSED: 5 Wrough	t Iron 8 Conc	rete tile	C	ASINO	JOINTS:	Glued	Clamped
1 Steel 3 RM	P (SR) 6 Asbesto	s-Cement 9 Other	(specify	below)			Welded	
Q PVO 4 ABS	7 Fibergla						Threaded	<u>. ×</u>
PVO 4 ABS Blank casing diameter	2 in. to	ft., Diameter	i	n. to	ft.,	Diameter .		in. toft.
Casing height above land	surface. F./454	in., Weight		lbs./ft. W	all thic	kness or gu	age No	5ch, 40
TYPE OF SCREEN OR I		TERIAL:						
		erglass 7 PV	9 A					
		ncrete tile 8 RM (SR	10.	Asbestos-Cer	ment	12 None	used (open	hole)
SCREEN OR PERFORA								
1 Continuous slot	3 Mill slot 5	Gauzed wrapped 7 T	orch cut	9 Drilled	holes	11 No	ne (open h	iole)
2 Louvered shutter SCREEN-PERFORATEI	4 Key punched 6	Wire wrapped 8 S	Saw Cut	10 Other ((specify	y)		
SCREEN-PERFORATE	DINTERVALS: From	1 It. to .	? .	It., Fr	rom		It. to	ft.
CDAVEL DACE	Fron	ft. to . ft. to .		II., FI	rom	•••••	It. to	II.
GRAVEL PACE								
	rron	1 ft. to .	• • • • • • • • • • • • • • • • • • • •	п., г	rom		II. 10	11.
6 GROUT MATERIAL	: 1 Neat cement	Cement grout Be	ntonite	4 Other				
Grout Intervals: Fro	om L. ft. to	9 ft From	9	ft to 15	ft	From		ft. to ft.
6 GROUT MATERIAL: 1 Neat cement Ocement grout Bentonite 4 Other								
1 Septic tank 4 Lateral lines 7 Pit privy 10 Livestock pens 13 Insecticide Storage 16 Other (specify								
2 Sewer lines	5 Cess pool		Fuel st			andoned w		below)
3 Watertight sewer	lines 6 Seepage pit			zer Storage_	15 Oi	l well/gas v	well	
Direction from well?		I	How man	y feet? Z.,	500	2		
FROM TO	LITHOLOG	IC LOG	FROM	OT		PLUGO	ING INT	ERVALS
	_							
	Jec 150	(119						
	,	 J						
	/ 20							
	209							
	<u> </u>					,		
7 CONTRACTOR'S O	R LANDOWNER'S	CERTIFICATION: T	his water	well was 1	constr	ucted (2) r	reconstruct	ted, or (3) plugged
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)								
Kansas Water Well Cont	ractor's License No	This Water	Well Re	cord was con	npleted	en (mo/da	v/vea	7-18-08
under the business name	of PSA FAVID	nmenzel		y (signature)				/
INSTRUCTIONS: Use typev	vriter or ball point pen. PL	EASE PRESS FIRMLY and E	PRINT clear	rly. Please fill i	in blanks	s, underline of	r circle the c	orrect answers. Send top
three copies to Kansas Departn	nent of Health and Environn	nent, Bureau of Water, Geolo	ogy Section	, 1000 SW Jacks	son St., S	Suite 420, To	peka, Kansas	s 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 http://www.kdheks.gov/waterwell/index.html.								
p.// m m m.kumeks.gov/waterw	v maca.mum.							

URS Austin, Texas

SOIL BORING AND WELL LOG

Boring/Well ID: PMW-8

Total Depth: 34 ft bgs

Comments Commen						
Site Name: Equipment: Geoprobe 6620 DT Geologist: Kim Nguyen Drilling Method: Continuous/auger cuttings Ground Water Depth (ft bgs): 8 ft bgs Dates Drilled: 6/18/08 Ground Water Depth (ft bgs): 8 ft bgs Dates Drilled: 6/18/08 Ground Water Depth (ft bgs): 8 ft bgs Dates Drilled: 6/18/08 Ground Water Depth (ft bgs): 8 ft bgs Coordinates: N E Ground Surface Elevation (ft msl): Coordinates: N E Ground Surface Elevation (ft msl): Coordinates: N E Well Description Comments CH SANDY CLAY: with roots at top, very dark brown (10YR Comments) CH CLAY: trace coarse grained sand, very dark brown (10YR 22), medium stiff, high plasticity, very fine to medium sand, brown (10YR 4/3), medium stiff, high plasticity, damp Ground Surface Elevation (ft msl): CH SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium detre, low plasticity, moist Ground Surface Elevation (ft msl): Ground Surface Elevation (ft msl): CH SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium detre, low plasticity, moist Ground Surface Elevation (ft msl): Ground Surface Elevation (ft msl): CH SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium stiff to suffi, iron staining, damp D Ground Surface Elevation (ft msl): Ground Surface Elevation (ft msl): Ground Surface Elevation (ft msl): CH SILTY CLAY: with fine to medium glasticity, moist Surface Clayery Silt; greenish gray (10Y 5/1), medium stiff to suffi, iron staining, damp Mill SILT; Glay: with trace very fine sand, light yellowish brown (2.9Y 63), wet Silty Clayer (10Y 5/1), dams, friable, damp Mill Glayer Silty (ft ft ft), in plasticity, moist Surface Clayer Silt, in plasticity, moist Surface Clayer Silt; in plasticity, moist Surface Clayer Silt; in plasticity, moist Surface Clayer Silty	PROJECT INFORMATION		DRILLING INFORMATION	-		
Site Name: Equipment: Geoprobe 6620 DT Geologist: Kim Nguyen Drilling Method:Hollow Stern Augers Frop of Casing Elevation (ft mal): Ground Water Depth (ft bga): 8 ft bgs Dates Drilled: 6/18/08 Top of Casing Elevation (ft mal): Ground Surface Elevation (ft mal): Ground Surface Elevation (ft mal): Ground Surface Elevation (ft mal): Coordinates: N E Lithologic Description Gg G G G G G G G G G G G G G G G G G G	Project: Unocal/Wichita		Drilling Company: PSA	1		
Geologist: Kim Nguyen Project Manager: Derek Peacock Sampling Method: Continuous/auger cuttings Ground Water Depth (ft bgs): 8 ft bgs) Dates Drilled: 4/18/08 Screened Interval: 18.5-33.5 ft bgs Ground Surface Elevation (ft msl): Ground Surface Elevation (ft msl): Geologist Screened Interval: 18.5-33.5 ft bgs Coordinates: N E PG Signature: Lithologic Description Geologist Screened Interval: 18.5-33.5 ft bgs Lithologic Description Geologist Screened Interval: 18.5-33.5 ft bgs Well Description Comments Comments Comments SANDY CLAY: with roots at top, very dark brown (10VR 22)2, medium stiff, high plasticity, very fine to medium sand, wery dark brown (10VR 22)2, medium stiff, high plasticity, damp CLAY: trace coarse grained sand, very dark brown (10VR 4/3), medium dense, low plasticity, melating and grades grayish brown (10VR 4/2) CLAY: trace coarse grained sand, very dark brown (10VR 4/3), medium dense, low plasticity, melating and grades in slit, blocky, friable, damp to dry grades grayish brown (10VR 4/2) SILTY CLAY: with fine to medium sand, brown (10VR 4/3), medium dense, low plasticity, milet increases in slit, blocky, friable, damp to dry SILTY CLAY: with fine to medium sand, brown (10VR 4/3), medium slift to stiff, inor staining and grades moist increases in slit, blocky, friable, damp to dry SILTY CLAY: with fine to medium sand, brown (10VR 4/3), medium slift to stiff, nor plastic, managenese inclusions ML SILTY SILT: Greenish gray (10Y 5/1), sedium stiff to stiff, nor plastic, managenese inclusions, damp ML SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY:	Site Location: Wichita, KS		Driller: Aaron Sense	_		
Project Manager: Derek Peacock Ground Water Depth (ft bgs): 8 ft bgs Dates Drilled: 6/18/08 Ground Surface Elevation (ft msl): Elevation (ft msl): Ground Surface Elevation (ft msl): Elevation (ft msl): Ground Surface Elevation (ft msl): E			Equipment: Geoprobe 6620 DT			
Ground Water Depth (ft bgs): 8 ft bgs Top of Casing Elevation (ft mal): Ground Surface Elevation (ft	Geologist: Kim Nguyen		Drilling Method:Hollow Stem Augers			
Screened Interval: 18.5-33.5 ft bgs Coordinates: N E	Project Manager: Derek Peacoo	:k	Sampling Method: Continuous/auger cuttings			
Screened Interval: 18.5-33.5 ft bgs Ground Surface Elevation (ft mal): Coordinates: N E	Ground Water Depth (ft bgs):	3 ft bgs	Dates Drilled: 6/18/08	7		
Ground Surface Elevation (R mel): Coordinates: N E Signature: Lithologic Description D D D D D D D D D D D D D			Screened Interval: 18.5-33.5 ft bgs	1	•	
PG Signature: Comments Comme				1		
CH SANDY CLAY: with roots at top, very dark brown (10VR 2/2), medium stiff, high plasticity, very fine to medium sand, moist s						
CH SANDY CLAY: with roots at top, very dark brown (10YR 22), medium stiff, high plasticity, very fine to medium sand, moist CH CLAY: trace coarse grained sand, very dark brown (10YR 22), medium stiff, high plasticity, damp CLAY: trace coarse grained sand, very dark brown (10YR 22), medium stiff, high plasticity, damp Crount CL SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium dense, low plasticity, moist Grout Grout Grout SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium dense, low plasticity, moist grades light olive brown (2.5Y 5/4) with trace gravel (up to 0.75° dia.), medium stiff to stiff, iron staining and manganese inclusions and iron staining, damp ML SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions, and iron staining, damp ML CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp Filter Pack: 20/40 Sain Non coache gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp Filter Pack: 20/40 Sain Non coache gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp Filter Pack: 20/40 Sain Non coache gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp Filter Pack: 20/40 Sain Non coache gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp Filter Pack: 20/40 Sain Non coache gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp	Elevation (ft btoc) Depth (ft) Recovery PID (ppm) Sample ID	USCS	Lithologic Description	Well	Well Description/ Comments	
Grout CLAY: trace coarse grained sand, very dark brown (10YR 22), medium stiff, high plasticity, damp Grout Grout Grout Grout CL SILTY CLAY: with fire to medium sand, brown (10YR 4/3), medium dense, low plasticity, moist grades light olive brown (2.5Y 5/4) with trace gravel (up to 0.75' dia.), medium stiff to stiff, iron staining and manganese inclusions grades moist increases in silt, blocky, friable, damp to dry SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions and iron staining, damp ML SILTY SAND: yellowish brown (10YR 5/4) and greenish gray (10Y 5/1), dense, friable, damp CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp At 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish how from (2.5Y 6/3), wet Nor recovery from 15-told depth, sample stuck in sampler. Logging from auger cuttings.		2/2),	medium stiff, high plasticity, very fine to medium		Concrete Pad with	
SILTY CLAY: with fine to medium sand, brown (10YR 4/3), medium dense, low plasticity, moist grades light olive brown (2.5Y 5/4) with trace gravel (up to 0.75" dia.), medium stiff to stiff, iron staining and manganese inclusions grades moist increases in silt, blocky, friable, damp to dry ML SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions and iron staining, damp SM SILTY SAND: yellowish brown (10YR 5/4) and greenish gray (10Y 5/1), dense, friable, damp CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp TLAYE'S SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), wet brown (2.5Y 6/3), high plasticity, moist No recovery from 15-tolad depth, sample stuck in sampler. Logging from auger cuttings.	0	2/2), 1	medium stiff, high plasticity, damp		Grout	
increases in silt, blocky, friable, damp to dry ML SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions and iron staining, damp SM SILTY SAND: yellowish brown (10YR 5/4) and greenish gray (10Y 5/1), dense, friable, damp ML CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), high plasticity, moist No recovery from 15-total depth, sample stuck in sampler. Logging from auger cuttings.		grades	s light olive brown (2.5Y 5/4) with trace gravel (up to dia.), medium stiff to stiff, iron staining and			
ML SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions and iron staining, damp SM SILTY SAND: yellowish brown (10YR 5/4) and greenish gray (10Y 5/1), dense, friable, damp ML CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), high plasticity, moist No recovery from 15-total depth, sample stuck in sampler. Logging from auger cuttings.	† o	grades	s moist		Bentonite chips	
SILT: olive gray (5Y 5/2), stiff, low to medium plasticity, friable, manganese inclusions and iron staining, damp SM SILTY SAND: yellowish brown (10YR 5/4) and greenish gray (10Y 5/1), dense, friable, damp ML CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet CH SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), high plasticity, moist No recovery from 15-total depth, sample stuck in sampler. Logging from auger cuttings.		increas	ses in silt, blocky, friable, damp to dry			
gray (10Y 5/1), dense, friable, damp O CLAYEY SILT: greenish gray (10Y 5/1), medium stiff to stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet SILTY CLAY: with trace very fine sand, light yellowish brown (2.5Y 6/3), high plasticity, moist No recovery from 15-total depth, sample stuck in sampler. Logging from auger cuttings.						
The stiff of the stiff of the stiff of the stiff of the stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet the stiff of the stiff, non plastic, manganese inclusions, damp at 14.75' to 15' - sand, light yellowish brown (2.5Y 6/3), wet the stiff of the stiff						
-15		stiff, n	on plastic, manganese inclusions, damp			
		CH SILTY brown No red	CLAY: with trace very fine sand, light yellowish (2.5Y 6/3), high plasticity, moist covery from 15-total depth, sample stuck in sampler.		Filter Pack: 20/40 Sand	
Unocal - Wichita, KS Page 1 of 2 Boring/Well ID: PMW-8	Unocal - Wichita, KS		Page 1 of 2 Boring/We	il ID: PMW-	8	



URS SOIL BORING/ WELL LOG Boring/Well ID: PMW-8

Elevation (ff btoc) Depth (ft) Recovery PID (ppm) Sample ID USCS Symbol	ologic Description Solution Comments
-20 -20 0 CL SILTY CLAY: brown (10 plasticity, damp grades to light olive brown grade with increasing silt or contact the cont	YR 4/3), medium stiff, medium n (2.5Y 5/3), moist