

Locat	ion Ty	ne.	В	orehole	Borehole, N	Monitoring Well,	or Test Pit No. Page				
					***************************************	Project No.	624-120				
Date	(al		<u>~~~</u>	Part	j .	Logged by	L. Hoosin			<u> </u>	
Date	W V				Start Time O 130	LOBBEG DY	<u> L. MUSI</u>	<u></u>			
Depth (feet)	Sampler Type	Sample (fe	Depth et)	Sample Recovery	Field Description of: Modifier/Mat Odor, Moisture, USCS Symbol,			30	Counts	USCS Symbol	PID Reading
0	MC	0			Brown silty clay with	the trace over	vel vinte.		П		0.0
	1.1.0	<u> </u>		10 %	stiff, moist	ia ivace je	2401,10015	$\top$	11	$\top$	0.0
$\frac{1}{\partial}$		1			3444 11001			十	+	<del>-  </del>	0.0
3		`	$\overline{}$					+	+		
4		Ц	4	10501	Que aid alouinand	chiff: and		+	++	-	0.0
			-1	10016	Brn silty clay; med			+	++	+-	0.0
9		$\rightarrow$			ut bun I gray silty clay	,	Stitt MORE	+	-		60
9					Gray clay; med stiff	most		+	++	<del></del>	0.0
7			<del>\</del>		7.5 ft grades to It	gray Ibru	Silty clay;	+	44	_	0.0
8		0	1		med stiff, moist.	-		+	++	<del></del>	0.0
1		9	9	60%	soft			4	$+\!\!\!+\!\!\!\!+$		0.0
10					<u> </u>		11-	4	$\bot$		0.0
l(					12.0 ft Brn Sand; fir Water has sheen + strong	ne to med a	rained; wet	_	$\sqcup$		0.0
12		:							$\bot \downarrow$		0.2
13					d'seam of silty, sono	ly clay; it h	orn; wet; sh	<u> :24</u>	$\perp \downarrow$		10.6
14		14	14	127	Strong coal far-like						47.4
15				50%	with coal tar-line	substance					6.8
16											
۱7		,			Bin silly clay witrace a	wavel (till	moderate		П		22.2
18					coal far-like odor; m	· · · · · · · · · · · · · · · · · · ·	,				9.6
19		19	19		rock frage	·		T	$\prod$		1.6
20		1	<b></b>	100%	Lt gray silty clay w	Honce sand	(till) was st	all	įΠ		2.1
21		$\overline{}$			odor, stiff; moist.		7, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	<del>기</del>			0.3
22					no odor at 22 ft			$\top$	T	1	0.1
23					22.5 Sand Seam (1")	-23		$\dagger$	$\dagger \dagger$	1	0.0
24			дч					$\dagger$	††		0.0
0 1			<i>U</i> ,		Continued next	Dage		十	++	<del>                                     </del>	100
Drilling	Fluids	M Not	ne	L	WITHING TEXT	Groundwater Meas	urements 🛮 Gro	undv	vater N	lot Encou	intered
Туг		<del>/ ``</del>				Date	6100110	Т			
An	nount l	ost				Time	0815			,	
So	urce					Depth (feet)	*ia	$\perp$			
Comn	nents:	Gio	undi	white	r observed at 12 ft - v	Nater cont	aired 600	ى	ta.	r-(i)	ce
					impacted w/ wal to						
									<del>,</del>		
	Goole	vaiet'e	Signa	tura	Lower Marie		Date	10	11 9	21111	$\Box$

E	믴[				GEOLOGIC FIELD O			
	Marie To		X B	lorehole	Borehole, Monitoring Well, or Test Pit No.  Test Pit Dother Page			
	tion Ty						_01	_
Data	4/2	$\frac{\mathcal{M}}{2}$	2	w	gn MGP Project No.  Start Time 0720 Logged by L. Hoos			
Date	<u> </u>			,	Start Time 0/20 Logged by L. Hoos	er		
e <del>f</del>	be		e Depth eet)	Recovery			S	
Depth (feet)	Sampler Type			Rec	Field Description of: Modifier/Material, Color, Impact, Consistency,	Blow	<u>=</u>	
pth	mpk			Sample	Odor, Moisture, USCS Symbol, Comments, and Observations	<u> </u>	3	
ΡΘ	Sar	Тор	Bottom	San				
24	MC	24			Gray silty clay witrace, sand (+111); stiff to very stiff, moist.		$\perp$	
25					to very stiff; moist.			
26								
27								
28					Grading to sandy clay (till)			Γ
29			29		, , ,			ĺ
								Γ
					Set casina @ 429 ft			ľ
					Set casing @ 429 ft		T	Γ
								Γ
							T	Γ
							1	Γ
							T	Γ
							T	Γ
					•		$\top$	Γ
							1	Γ
							$\top$	Γ
							$\top$	Γ
							$\top$	Γ
							$\top$	r
							1	Γ
						-++	+	Γ
	1					-	+	Γ
						<del>         </del>	+	r
							+	r
						+	+	-
Drillin	g Fluids	□ No	ne	L	Groundwater Measurements Groundwater Measurements	oundwate	 ∋r Not	Er
Ту	ре				Date			_
Aı	mount l	.ost			Time			
Sc	urce				Depth (feet)			_

Date (0/20/12

Geologist's Signature Lolie Hussin



# GEOLOGIC FIELD OBSERVATIONS PAGE 1 OF 1

Project Na	ame.	Bore	hole	: M	Test (		30	IR		(۱. پیسیس	). ···
Project M	anager:	5	Zan	na	<i>E</i>	Project No.624424/- Drilling Company: フェルス ロイル	∦ Co	st Coo	de <u>l</u>	1000	<u>~</u>
Client Co	mpany:	A	MERI	l		Drillers: BOOL A- (SOIT)	<del>)                                    </del>	2000	مسرر	~	
ite Nam	e/Addr	ess: 3	U8 K	11 5	热,	hampiya			····		
Date:	_					ne 1720 - 1315 Logged by (print name)_	CV	4181	15		
				ie Depth eetj			T	T	Air /	Monito	rina
(feet)	Number	ır Type			Sample Recovery (inches)		trometer	mbol			
Depth (feet)	Sample Number	Sampler Type	Тор	Bottom	Sample (inc	Field Description of Material, Comments, and Observations	Pocket Penetrometer	JSCS Symbol	Borehole	Breathing Zone	Sample
29	(20)	MC	29	34	17/60	Sandy CLAY, soft, net (Farse sand)	<u>a</u>	CL			
33 <sub>e</sub>	5		ļ			SANOW clay, nell graded, forse,		SW	-50	_	
	_	<u> </u>	ļ			wy trace the grave, the gray					
-	1 (11)7	10.5	316	2/1	111/1.		ļ		٠,		
34	002	MC	34	39	41/60	SAND (fragse) my Gravel (fine)	ļ	SM			
	+			<u> </u>		schang-schrome, <15%					
39	1003	MC	24	44	64/60	SALA LIZA	<del> </del>				
1	Va			11.1	700	SAND, trace gravel	<del>                                     </del>	Sh			
# 5,2	004	MC	44	46	18/24	-5AA	<u> </u>	Sh			
,											
			24	46		Rotor noll to 46 bgs to					
ļ	<u> </u>					inches burefule for well installation					
	_										
	-										
	<del>- </del>										
	<u> </u>										_
	+										
	<del> </del>								$\dashv$	$\dashv$	_
Drillir	g Fluids			j		□ None   Groundwater Measurements □	<u> </u>	rater Not			_
		Very	low	Ca	vas o	Date	>rounaw	rater Not	Encour	ntered	
	mount		M	mball.	2R	Time					
	ource <u>z</u>		C	Char	nsus	Depth (feet)			· · · · · · · · · · · · · · · · · · ·		_
·				11 -	/ /			L			
Comm	nents:	1116	<u>a</u> /	-160	po C	re sampler (1.75% 5)		<del></del>		···	
****				<del></del>							<del></del>
Geolo					-	, ,					

<b>Interest Co.</b>	STATE OF	-AULITE		2002.6
-		-	-	named in
Second 1	100	-		
Distance	105.1	200		

Locat	ion Ty	/pe	X B	orehole	Borehole, Mo	nitoring Well,	or Test Pit No. Page		0- 80 of	HR
ite M	Name	0	nam	pai			624-1201	- 000	8-3	DDa
ate	61	2014	2		Start Time 1825	Logged by_	L. Hoosier		2	
Depth (feet)	Sampler Type		e Depth pet) Bottom	Sample Recovery	Field Description of: Modifier/Materio Odor, Moisture, USCS Symbol, Co			Blow	USCS symbol	PID Reading
46	111					emedia				
					0' to 23' Awar	rocore.	hen began			
19	MC	19		75%	CA-6 (clean & 11)					0.0
20		1								0.0
21		1		J. T.						0.0
32			1		Wet Irrace graves	(4711)				0.9
23	9.13	0.0	1		Silty clay, gray, n	eavily im	pacted			79.3
24	7.16	24	24	75%	wicoal tar-like subst	ance; stu	ona odovi	11		140
15	123	1	1189	- 19	Silty day witrace san			1		10.4
16		1			impact; very slight ad	or; stiff	moist.	-		0.8
37			1					1.		0.0
28			00	-6	Gravelly sand; gray; no	impact c	or odor; m	013+		0.0
29			29	36.50	Sandy clay; gray, very	shtt, m	oist.	++	1	0.0
		12			1430- Stopped For day	- will set	Casing 66	1	. 15.70	
								+		
					0730 Glailla- Resume o			+		+
			19 19 10		0800 began mixing grow	t. 0825 g	prouting -	++		+
					0900 Pulling anges					
					Set casing at 89.3 f	+ on 6/a	1112			
							N. Aller			
	Fluids		_			oundwater Measu		undwaler	Not Encou	ntered
An	nount l	Lost	Ben	BONE	gel+water) Da		6190119	-		
-	urce		Tine			pth (feet)	20			
		1		-1	k@ 01ft - had to kg			1		

Geologist's Signature

Date



# GEOLOGIC FIELD OBSERVATIONS PAGE / OF /

		Borel			Test		ehole L	ocation No.UA	1n-3	OHA	?			
roject Na				ligh	M6.	<i>D</i>	F	Project No.624- iny: Terra Dr	201-8	Co	st Cod	le VV	002	
Project Ma Client Com				01			Orilling Compa	iny: 1916a Dr	11, De	PL	IC			
ita Nama	/Adds		3118	7.7	TH	Sto Chan		WN/6011	<u>'ט</u>		<del></del>			
ile Name	naun . 1	ess <u></u>	17	///	<u> </u>	Chan	guign							*******
oate:	12	<u> </u>			-End Ti	me <b>1975</b> - /	Log	ged by (print n	ame)_<	`^^	ver	15		
	1 70			le Depth eet)	   							Air /	Monito	ring
eet)	Sample Number	Sampler Type			Sample Recovery (inches)					neter	8			
Depth (feet)	Ž	Je 1			ple Reco					Pocket Penetrometer	JSCS Symbol	Borehole	Breathing Zone	يو
ebţ	Ja w	amp			due (iii)		Description o nents, and O			e B	လ္လ	Bore	fg.	Sample
	+	<b></b>	Тор	Bottom			nenis, and O			- P	S		å	S
29	IVU	MC	29	34	30/60	SandyCLA	suff N/s	holastery,	net		CL			
ļ	<u> </u>		ļ	<u> </u>	Ĺ	(F-chre san	a), It. 61	ray						
31	<u> </u>		and the second			-57/	to very	55//						
كە33						SILT WHA	clay, trac	e the sand	$Q_{\lambda}$		ML			
	ļ					styl, Higray	net							
	<u></u>					111 3 17								
34	002	MC	34	31	34/60	SAND (Frei	ve) w/tra	ice grand	the)		SW			
					/	schong-sel			//					
						7		<del>/ //                                 </del>						
	013	MC.	3/	111	58/10									
43.1					7	Sandy CLF	Y (Ferre)	vitaco file	LOVA		eL	_		
						51V/ nu	-0/45 BC.	gray mois	1/1/1					
						71)		July 11-13	77					-
43.3						CLAY wy	Mew su	nd (time-crue	),		CL			
						truce grai	al (the)	very still						
						gray mu	of GILL							
						<i></i>								
	_	nune	44	46		Bland Doll	WIRota	y four						
						29 10 46	by 5 70	widen but	chi/e					
						for nel	Insta	1/aton				1	$\neg$	
Drilling						None	Groundwater	r Measurements	☐ Gr	oundw	ater Not	Encour	ntered	
Typ	e <b>,</b>	renf/	سان (	yvar	yun)	my mysight	Date							一
Am	ount l	Lost				na/en	Time						***************************************	
Sou	ırce _	NIN	C, C	ham	with		Depth (feet)							$\dashv$
<u> </u>						0			<u> </u>					
Comme	ents: 🔟	70-		, acr	V CO/	e sampler (	11/3 × 5	)				·····	···	
		*******												
Geolog	ict'e Si~	natura	1		. 1	<u> </u>	6/26/	12						
Geolog	isi s siyl	nuivie_	47	/	· · · · · · · · · · · · · · · · · · · ·	Do	ite 6/36/).	Reviewer_		_ Do	ate			



			<u>-</u>		Bore	ehole, Monitoring Wel	l, or Test Pit No.	U	ΜW	1308	₹
	ion Ty			Borehole	Test Pit Other		Page			of <u> </u>	
Site N	lame	Ch	amp	agr	- M6P	Project No.	(224-1201-	OC	108	-10	X)2
Date	66	1110			Start Time <u> </u>	Logged by	L. Housie	· y ·			
	4.	Sample	e Depth	<u>~</u>						T	Ι _
Depth (feet)	Sampler Type	(fe Top	Bottom	Sample Recovery	Field Description of: Modif Odor, Moisture, USCS St	ier/Material, Color, Impo ymbol, Comments, and		Blow	Counts	USCS Symbol	PID Reading
0	MC	0		75%	TOPSOIL				$\prod$		0.0
(		1			Evavel				TT	1	0.0
Э					Brown silly clay,	med stiff: mo	C+	$\sqcap$	T		0.0
3					2111000 31119 0447	MICA SINA ) MON	31		$\dagger \dagger$		0.0
4		Ч	4	11/28/	Lt brown				+		
5		1	<del>                                     </del>	1~75	4 brn I gray silh	· Man Whase	soud:	+	$\forall t$	+	0,0
6		$\vdash$			med stiff mois		yera,		++	1	0.0
1		<del></del>	<del> </del>				l'allalı (	+	++	+	0.0
8			ackslash		Green Igray 51ty CA			+	╁┼	+	25,4
8.5			1		dissel-like adar				++	+	3.8
9		a	à	169	Sand seam @ 8.5ft	(1-Inch) Sugar	DION MOISE	,	++	+	1,54
-			-	170	Lt gray/green sil	F, MG SAH MO	ist, Slight og	10	+		1.3
		1			Sandlgravel seam , tar-like odor an	d diesel like an	neen, coal	_	$\vdash$	<del> </del>	1.5
10		+			7 .				┼┼	+	0.0
H		+			it gray/green sill	1 1	-//	_	$\vdash$	<u> </u>	0.0
11					slight hydrocarbon	n odor, coal tai	like subspa	ice_	++	+	0.5
13			$\setminus$		Dr voids		01	-	₩		0.2
14		13.7	14	100	Gray silt; slight M	ydiranon odo	, sox+ wet		₩	-	0.0
<u> </u>		14	1-1	1000	Gray sand moder	ak odor, soft	wet	-	₩-		0.0
15		+			Gray silty day	witrace sand	(fill), no	+	┼┼	-	6.0
16		-+			odor or visible i	impact, stift;	moist.	+	₩-	+	0.0
10			<del>\                                    </del>			***************************************		_	$\vdash$		0.0
18			10	100				+	$\vdash \vdash$	-	0.0
19			19	100%				-	$\vdash$	-	00
20					$\overline{}$				$\vdash$		0.0
81								_	ـــ		0.0
<i>∂∂</i> Drilling	Eluido				Continued next	page					0.0
Typ		L NOI	ne	1		Groundwater Meas		undwo	ater No	t Encounte	жед
	nount L	.ost				Time	(330)	+			
So	ırce					Depth (feet)	9	+			
Comm	nents:						-				
-5.1111		-									***************************************
	Geolo	gist's	Signat	ture	Leslie Horie	\	Date	(a)	21	la	

_	Control of the Contro	
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L					Borehole, M	onitoring Well,	or Test Pit No.	W	hW	1-3	08
Locat			-	orehole	Test Pit Other		Page	d	of	2	
Site N	lame	<u>On</u>	amp	argi	MGP Start Time 1845	Project No.	624-1201-	-00	<b>18</b> 0	10	203
Date	0	24	2		Start Time (245	Logged by_	L. Hoosie				
Depth (feet)	Sampler Type	Top	e Depth eet) Bottom	Sample Recovery	Field Description of: Modifier/Mater Odor, Moisture, USCS Symbol, C Gray Silty clay witrag Very Stiff, Moist.	omments, and C	bservations	Blow	Counts	USCS Symbol	PID Reading
24		8rt	DLI		very stiff, moist.	Ů.					0.0
25											0.0
26		$\downarrow$									00
27											0.0
25 25 25 25 25 27			<b>\</b>								0.0
29			29		Gray sand, no ode	windo	tione.				0.0
			7		Moist						
			4						_		<u></u>
								$\perp$			
					94 (05100 @ 29.0 1430 J	2++ 6/21	119				
					1430 U						
								$\perp \downarrow \downarrow$			
								_			
									$\perp \downarrow \downarrow$		
								$\dashv$	_ _		
								$\perp \downarrow$			
								44	4		
								$\perp \downarrow$	$\bot \downarrow$		
								$\bot \bot$	$\perp \! \! \perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$		
								+	$\perp \mid \cdot \mid$		
								+	$\dashv \downarrow$		
								44	44		
								$\perp \downarrow \downarrow$			
								11			
Drilling	Fluida	<u> </u>	L					Ш			
Drilling Typ		⊔ Nor	ne	***		roundwater Measu	rements	ndwat	er Not E	ncounte	red
	ount L	ost				ne		+-			
Sou	rce					epth (feet)		<del></del>			
Comm	ents:										
	•									*******	
									,		
(	Geolo	gist's	Signat	ure .	Gesser Grosier		Date_	61	121	112	



# GEOLOGIC FIELD OBSERVATIONS PAGE 1 OF 1

Project I	Nam		Borel			Test	Pit 🛛 Pro	behole									
Project I Project I						<u> </u>		D ::::	Pro	oject No.	624-12	11-8 12-12	Co	st Cod	le 🔽	)W	<u>Z_</u>
Client C					14	······································		Drilling Co	mpany RON	y: <u>/e//</u>	C DA	1, 00	<u>، دم</u>	2			
Site Nan	ne/	Addr	ئر ق	U8 N	1 51	54,	Champuign,	T.	2000	10/0	0//2			······································			
Date:			,				ime 1528 -	1110	Logge	ed by (p	rint nar	ne) C	TXV	CH S		····	
		<u></u>			eet)							,			Γ	Monito	oring
= =	eī e	Sample Number	) de			Sample Recovery (inches)							eter	<u> </u>			
1	Depin (reer)	ž	Sampler Type			9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8							ocket Penetrometer	JSCS Symbo	Borehole	Breathing Zone	a u
1	<u>ā</u>	nble	a E			E E		d Descripti					e Pe	SSS	ore	att in	Sample
2	5	San	S	Тор	Bottom	S.	Com	nments, an	nd Obs	servation	ns		Š	nsc	EC)	Be	တိ
2	9	OD1	MC	29	34	41/60	SAWN ASK	nellyn	del	Felle	Ah			Siv	- 55		
		•				7	clay und	uravel	(Fret	1	1-7/4	rhe	•		)		
							ver still	14.96	K IZ	west	114	<b>"</b>					<b>-</b>
30,	.8						CLAVNH	Que sare	1 (8-	-crie)	andal	ravel		CL			
							Strates (Fin	e) stiff.	med	1 11	11 1	+ 4/X	/				
							musst (TX	3		1	171	7	<i>,</i>				
34		402	MC	34	39	60/10	Clayer SA	ND (ne)	lande	& Fre	rse			Sh	50	,	
						/	whetire m	ed deri	7	WOV.	net	4					
34	9						SAND (F.c)	sel tac	0 /	rald (	Sinel	1		5h	7	***************************************	
34	<u> </u> <u>*</u>	103	MC	39	44	60/60	CLAVW.	sand + 4	rail	RECE	12)	ned		CI			
34	8					/	+ high olws	King st	11 4	ray m	2/5 1						
39.	5						-ver	5511	MI J	7,							
40.	4						SAND (Ble)	pulled of	relat	gray	net	2		SP			
10.	2						SILT with c	av and	A	' '	ven			ML			
							5/1/1. 40	& net		-	1		1	7			
4/1	.2						SAVO (FE	Ne) We	Man	del	trace	, †		Sur	-		
							unvel (Fla	d med	den	se are	iv ne	1		72	_		
								77			<del>// "</del>						
							Rotany Doll	1 29 %	45	he co	4 uze	<u>.</u>				_	
							hale for	nell	Thist	SIL-KH	b.	<u></u>		-+	_	$\neg \dagger$	$\neg$
- 1	_	Fluids				_	□ None	Groundy	water N	/leasuren	nents	☐ Gr	oundwi	ater Not	Encour	ntered	
1	Туре	<u></u>	(eBJ)	su (g	vorg	im) u	y noter	Date				<del></del>		T			
1		ount L	•					Time									$\dashv$
	Sour	ce .	N2n	C, C	hampa	for li	mining of water	Depth (f	footl								$\dashv$
						<i>-</i>						······································					
Com	mer	nts:	170		MICH	wre	sampler (10)	15 🗶 5	1							·····	
	<del></del>																
Cool	Iodis	t'e Simo	nature_	_	1/5/			. //	1211	1,0	1778						
360	ogis:	is sign	idible_	_//	//		—— D	ate <i>6/.</i>	20/	LZ Revi	ewer		_ Do	ate			



Borehole/Monitoring Well; or Test Pit No. LAW W-106 R Serial No. GFO-(Record this location on the Group List) Group List Number\_ Location Type: Borehole Test Pit Other \_ Project No. 0120-0002 Site Name Champaign MGP Cost Code JODOZ Date\_2-1-10 520 Logged by (print name) L. Hoosier Start Time Sample Depth Air Monitoring Sample Recovery (inches) Sample Number Description Pocket Penetrometer Sampler Type Depth (feet) USCS Symbol Borehole **3reathing Zone** Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions) Bottom Top Silty clay; dk brown; no visible impact; hard; no odor; damp. MC 0 3 0., 6 00 604 0.0 0 D.C O.D 10 11 0.0 13 00 15 0,0 0.0 20 20 0.0 **Groundwater Measurements Drilling Fluids** Groundwater Not Encountered Date Type \_ Time Amount Lost Depth (feet) Source UMW-106R (1-2)@ 1530 comments Sampled UMW-106R(6)@1545

C:\Documents and Settings\hoosier\My Documents\templates\Field\BH-LOG.DOC 3/7/08

Date

Reviewer



Borehole/Monitoring Well; or Test Pit No. <u>UMW-12-2</u> Serial No. GFO-(Record this location on the Group List) Group List Number\_\_\_ Location Type: Sorehole Test Pit Other Page \_\_\_\_\_ of \_\_\_ Project No. 0120 Site Name Champaign MGP Cost Code DOOZ Date 2/3/10 Start Time <u>C855</u> Logged by (print name) L. Hosica Sample Depth Air Monitoring (feet) Sample Number Sample Recovery (inches) Pocket Penetrometer **Jepth** (feet) USCS Symbol Borehole Breathing Zone Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions) Bottom 0 0 Silty clay, dk byn; brick/concrete 0.0 impact med shift. 3 0.0 0.0 OL SP O.C 10 ک ک ML íb B.C bru: no visible rupacti D.L <u>da nid</u> 14.5 0,0 D, C 6.0 20 0,4 **Drilling Fluids Groundwater Measurements** ☐ None ☐ Groundwater Not Encountered Type Date Time Amount Lost \_\_\_ Source Depth (feet) Comments Sampled UMW-122@2-3ft 0900; UMW-122(0-7) Geologist's Signature Allie House Date 2/3 Reviewer\_\_\_



Borehole/Monitoring Well; or Test Pit No. <u>UMW-123</u> Serial No. <u>GFO-</u> (Record this location on the Group List) Group List Number\_ Location Type: Borehole Test Pit Project No. 624-6908-Site Name Champergu MGP Cost Code JDDD Z Date 2-2-10 Housier Start Time 1042 Sample Depth Air Monitoring Sample Recovery (inches) ample Number Description Pocket Penetrometer Sampler Type Depth (feet) **USCS Symbol** Borehole Breathing Zone Modifier and Main Soil; color; impact; consistency/density; odor; moisture; USCS (Refer to Ameren Standard Descriptions) Bottom Top MC Silty clay w/ brick frags; dk brn; 00 0.0 ty clay ut brn no visible oach some sand, no edor med Ø .0 0.0 0.0 8 6.0 ciay wisome gravel. 10 some gravel; 10 01 0,0 14 0.0 00 TOB @ **Drilling Fluids** ☐ None **Groundwater Measurements** ☐ Groundwater Not Encountered Date 🖟 Type \_\_ Amount Lost Time Depth (feet) Source Comments Sampled WMW-123(3-4)@1050/WWW-123(6-7)@1100 Geologist's Signature Yullu heulen Date Z Reviewer\_



# Well Number WW-124 WELL INSTALLATION RECORD

	Serial No. WI	R				Boreh	ole Nu	mber (if di	ferent)	<b></b>
Project NameChampa	nign FMGP O	n-Site We	ell Installat	ion	Pro	oject N	No	624-12	01-00	800
Client Company Ameren	····		<del>* '</del>		Co	st Co	de	J0002		
Site Name <u>Champaign Fl</u>	MGP Site									
Site Address 308 North	Fifth Street,	Champaig	ın, IL							<del></del>
Well Diameter	_ inches			Con	ductor Casir (To seal off upp	_	er-bearin	ng zones)		<b>⋉</b> None
Well Type  Monitoring Well				Г	Diameter		in	ches		
☐ Piezometer					Material					
☐ Recovery Well ☐ Other										
Permit					ength					
Number					Depth to Bottom					
Date				S	Seal Material					
Well Construction Details			200							
Well Component		Material	(specify type)		Length		De	pth Below	/ Grad	de (feet)
	PVC	Stainless Steel	Teflon	Other	(feet)		Вс	ttom		Тор
Borehole							1	5.0		
Bottom Cap/Plug										
Sump (Tailpipe below screen)	Sch 40				0.22		1	5.27	Same a	s bottom of screen
Screen [Slot Size: 0.010 in.	] Sch 40	9.36′ slo	tted lengt	th	10.05		1	5.02		4.97
Riser (Blank Casing above Screen	) Sch 40				4.64	S	eme as to	p of screen.		0.33
Annular Fill Materials					7	Use r	ninus si	gn if top of r	iser is	above ground.
Component	Mater	rial Name/	Description	on	Quantity (No. of Bags/ Volume per Bag)	Trer	nied	Depth B	wole	Grade (feet
						Yes	No	Bottor	n	Тор
Natural Sand Pack		N/A			N/A	-	-			
Artificial Sand Pack	Unimin Filter		** * * * * * * * * * * * * * * * * * * *		4 / 50#		X	15.0		3.0
Bentonite Seal	Baroid Holer	olug (3/8"	pellets)		34 / 50#		Х	3.0		1.0
Grout Seal Backfill (if any)			***************************************							
Surface Seal	Quickrete -p	laced in 1	5'x 1/2' sc	notube	2 / 80#		Х	1.0	+	0.0
Well Cover  Finish Material  ☐ Stick-up Steel  ☐ Flush ☐ Aluminum ☐ Vault	Loci	k es Lock Numbe		Mea	Asuring Point Top of Riser Top of Cover			Well Prote	Yes ,Ωuant	ion Installed?
Comments <u>Started 6/2</u> Recorded by (print name) <u>St</u>				Signature		4				6 <i>/28</i> //
Recorded by (print name)				Signature					Date	9



## Well Number UMW-125 WELL INSTALLATION RECORD

	Serial No. WI	R-				Boreh	ole Nu	mber (if diffe	erent)	
Project Name <u>Champ</u>	aign FMGP O	n-Site We	ll Installat	ion	Pr	oject l	No	624-120	1-0008	
Client Company Ameren					Co	ost Co	de	J0002		
Site Name <u>Champaign F</u>	MGP Site									
Site Address 308 North	Fifth Street,	Champaig	ın, IL							
Well Diameter	inches			Cor	nductor Casir (To seal off up)	_	ər-bearir	ng zones)	<b>32</b>	None
Well Type					Diameter			•		
Monitoring Well Piezometer										
☐ Recovery Well☐ Other					Material	•	-		<del></del>	<del></del>
					Length					
Permit Number					Depth to Botton	n of Cas	ing	fe	et	
Date				•	Seal Material					
Vell Construction Details										
Well Component		Material	(specify type)		Length (feet)	1	De	pth Below	Grade (	feet)
	PVC	Stainless Steel	Teflon	Other			Во	ottom	Т	ор
Borehole							1	5.0		
Bottom Cap/Plug			N.							Magne
Sump (Tailpipe below screen)	Sch 40	,			0.22		1	5.33	Same as bot	tom of scree
Screen [Slot Size: 0.010 in	.] Sch 40	9.36′ slo	tted lengt	:h	10.05		1	5.11	5.	.06
Riser (Blank Casing above Screen	n) Sch 40				4.77	s	arne as to	p of screen.	0.	.29
Annular Fill Materials						Use r	ninus si	gn if top of ris	er is abov	e ground.
Component	Mater	ial Name/	Description	n	Quantity (No. of Bags/ Volume per Bag)	Trer	mied 	Depth Be	low Gra	de (feet
						Yes	No	Bottom		Тор
Natural Sand Pack		N/A			N/A	-	-			
Artificial Sand Pack	Unimin Filte				4 / 50#		Х	15.0		3.0
Bentonite Seal	Baroid Holer	olug (3/8"	pellets)		34 / 50#		X	3.0		1.0
Grout Seal										
Backfill (if any)										
Surface Seal	Quickrete -p	laced in 1	.5′x½′ so	notube	2 / 80#		X	1.0		0.0
Vell Cover  Finish Material  Stick-up Steel Flush Aluminum  Vault	Loc X	, 'es Lock Numbe	ər <u>2532</u>		asuring Poin Top of Riser Top of Cover			Protect Protect	Collision ctors Ins es Quantity _ o	
Comments <u>Started 6/2</u>	27/12; Compl	eted 6/28	1/12. HA	al ne	I depth p	ast di	evelo	prent =	15.0	4'mp
Recorded by (print name) S	tuart Cravens	<b>3</b>	s	ignature	14/	11	٦,		Date _	5/28/I
Recorded by (print name)			s	ignature	1/1	1	7	=	Date	V3/12



## Well Number W9W-126 WELL INSTALLATION RECORD

	Serial No. <u>WI</u>	R-			Borehole Number (if different)						
Project NameChamp	aign FMGP O	n-Site We	II Installat	tion	Pro	oject l	No	624-120	)1-0008		
Client Company Ameren					Co	st Co	de	J0002			
Site Name <u>Champaign F</u>	MGP Site			·····							
Site Address 308 North	Fifth Street,	Champaig	ın, IL								
Well Diameter	inches			Con	ductor Casin		er-bearin	ig zones)	None		
Well Type Monitoring Well Piezometer					Diameter						
☐ Recovery Well ☐ Other				M	Material	~	<del></del>				
				Lengthfeet							
Permit				I	Depth to Bottom	of Cas	ing	f	eet		
Number Date				9	Seal Material				***************************************		
Well Construction Details Well Component		Material	(specify type)		Length (feet)		De	pth Below	Grade (feet)		
	PVC	Stainless Steel	Teflon	Other	Bottom				Тор		
Borehole							1	5.5			
Bottom Cap/Plug											
Sump (Tailpipe below screen)	Sch 40				0.22		1!	5.40	Same as bottom of screen		
Screen [Slot Size: 0.010 in	.] Sch 40	9.36′ slo	tted leng	th	10.05		1!	5.18	5.13		
Riser (Blank Casing above Screen	n) Sch 40				4.88	s	ame as to	p of screen.	0.25		
Annular Fill Materials			<b></b>			User	ninus si	gn if top of ri	ser is above ground.		
Component	Mater	ial Name/	Description	on	Quantity (No. of Bags/ Volume per Bag)	Trer	i		elow Grade (feet)		
,						Yes	No	Botton	n Top		
Natural Sand Pack		N/A			N/A	-	-				
Artificial Sand Pack	Unimin Filte	rSil WG1			4 / 50#		X	15.0	3.0		
Bentonite Seal	Baroid Holer	olug (3/8"	pellets)		34 / 50#		X	3.0	1.0		
Grout Seal											
Backfill (if any)			·····								
Surface Seal	Quickrete -p	laced in 1	.5′x½′ se	onotube	2 / 80#		X	1.0	0.0		
Well Cover  Finish Material  Stick-up Steel Flush Aluminum Vault	Loc S×:	es Lock Numbe	er <u>2532</u>		asuring Point Top of Riser Top of Cover				Quantity		
Comments Started 6/2	27/12; Compl	eted 6/28	3/12. Fina	l well de	pth = 15.15	5′ (mp	= top	casing) po	st development.		
Recorded by (print name) S		Signature	1/		$\hat{\mathcal{L}}$		Date 7/3//				
Recorded by (print name)				Signature	A. S.	1		<del></del>	Date		



## Well Number <u>UMW-127</u> WELL INSTALLATION RECORD

	R-	Borehole Number (if different)									
Project NameChamp	aign FMGP O	n-Site We	ell Installat	ion	Pre	Project No. 624-1201-0008					
Client Company Ameren			de litteration de la constant de la		Cc	st Co	ode	J0002			
Site Name <u>Champaign F</u>	MGP Site										
Site Address 308 North	Fifth Street,	Champaig	ın, IL								
Well Diameter	_ inches			Con	ductor Casir (To seal off upp	_	er-bearir	ng zones)	None		
Well Type  Monitoring Well  Piezometer				Diameter inches							
☐ Recovery Well ☐ Other											
Permit					ength						
Number					Depth to Bottom						
Date				9	Seal Material						
Well Construction Details											
Well Component	(specify type)		Length (feet)		De	pth Below	Grade (feet)				
	PVC	Stainless Steel	Tefion	Other		(Teet)			Тор		
Borehole							1	5.0			
Bottom Cap/Plug											
Sump (Tailpipe below screen)	Sch 40				0.22		1 !	5.38	same as bottom of screen		
Screen [Slot Size: 0.010 in	.] Sch 40	9.36′ slo	tted lengt	h	10.05		1!	5.16	5.11		
Riser (Blank Casing above Screer	sch 40				4.86	-	Same as to	p of screen.	0.25		
Annular Fill Materials			1		<u> </u>	Use	minus si	gn if top of rise	er is above ground. ፘ		
Component	Mater	rial Name/	Descriptio	n	Quantity (No. of Bags/ Volume per Bag)	Tre	mied	Depth Bel	ow Grade (feet)		
						Yes	No	Bottom	Тор		
Natural Sand Pack		N/A			N/A	-	-				
Artificial Sand Pack	Unimin Filte	rSil WG1			4 / 50#		X	15.0	3.0		
Bentonite Seal	Baroid Holer	olug (3/8"	pellets)		¾ / 50#		Х	3.0	1.0		
Grout Seal											
Backfill (if any)											
Surface Seal	Quickrete -p	laced in 1	.5′x½′ sc	notube	2 / 80#		Х	1.0	0.0		
Vell Cover  Finish Material  Stick-up Steel Flush Aluminum  Vault	Loci	es Lock Numbe	er <u>2532</u>		Top of Riser Top of Cover			Protec	uantity		
Comments Started 6/2	27/12; Compl	eted 6/28	3/12. H	d nel	ldeth p	rist	deve	lopment=	15,13 mPo		
Recorded by (print name) S	tuart Cravens		S	ignature	///		/ \	<i>-</i>	Date 6/28/17		
Recorded by (print name)			S	ignature	11,	/	4		Date <u>7/3/12</u>		



Well	Number	UMW-301R
		······

## **WELL INSTALLATION RECORD**

	Serial No. <u>W</u>	IR-		_		Boreh	ole Nu	ımber (if di	fferent)
Project NameChamp	aign FMGP 0	n-Site We	ell Installa	tion	Pr	oject	No	624-12	01-0008
Client Company Ameren					Co	st Co	de	J0002	
Site Name Champaign F	MGP Site								
Site Address 308 North		Champaig	ın, IL						
Well Diameter 2	inches			Cor	nductor Casir (To seal off up)	_	er-bearir	ng zones)	□ None
Well Type  Monitoring Well					Diameter	6		inches	
☐ Piezometer									
☐ Recovery Well ☐ Other				1	Material Length <b>2</b> °	PVC			
Permit									
Number					Depth to Bottom	of Cas	sing	9.18	feet
Date				;	Seal Material G	irout (	6 bg F	Portland /	½ Bent Gel
Well Construction Details									
Well Component		Material	(specify type)		Length (feet)		De	pth Below	Grade (feet)
	PVC	Stainless Steel	Teflon	Other	(1661)		Вс	ttom	Тор
Borehole							4	6.0	
Bottom Cap/Plug	A l								
Sump (Tailpipe below screen)	Sch 40				0.60		4	6.65	Same as bottom of screen
Screen [Slot Size: 0.010 in	.] Sch 40	Pre-pack	3.375″0	D / 2" IC	9.55		40	5.05	36.50
Riser (Blank Casing above Screen	n) Sch 40				36.21	S	ame as to	p of screen.	0.29
Annular Fill Materials			<u> </u>			Use	minus si	gn if top of r	iser is above ground. 3
Component	Mate	rial Name/	Description	on	Quantity (No. of Bags/ Volume per Bag)	Tre	mied	Depth Be	elow Grade (feet)
						Yes	No	Botton	n Top
Natural Sand Pack		N/A			N/A	-		46.0	44.0
Artificial Sand Pack	Unimin Filte	rSil WG1			3.5/52#		X	44.0	34.0
Bentonite Seal	Baroid Holer	olug (3/8"	pellets)	···	1/50#		X	34.0	29.1
Grout Seal	Portland Cer	ment/ Cet	co Bentor	nite Gel	3/94#3	X		29.1	1.0
Backfill (If arry)			***************************************		12/54				
Surface Seal	Quickrete -p	laced in 1	.5′x½′ so	onotube	2/84		Х	1.0	0.0
Well Cover  Finish Material  Stick-up Steel Flush Aluminum  Vault	Loci	es Lock Numbe	er <u>2532</u>		Top of Riser Top of Cover	t			Quantity
Comments Upper bori	y=n"og	18.25	TO o	well	amplete	d i	אר אר	5/28/1	2.6
Recorded by (print name) Le				Signature	•			•	Date 6/22/12
Recorded by (print name) S1	tuart Cravens		9	Signature	141	1	_		Date 6/28/12



## Well Number UMW-304R WELL INSTALLATION RECORD

	Serial No. <u>W</u>	IR-		Borehole Number (if d					ferent)
Project NameChamp	aign FMGP C	n-Site We	ell Insta <b>ll</b> at	tion	Pr	oject	No	624-120	1-0008
Client Company Ameren	····		www.t	~~~	Co	st Co	ode	J0002	
Site Name <u>Champaign F</u>	MGP Site								
Site Address 308 North	Fifth Street,	Champaig	an, IL						
Well Diameter2	inches			Con	nductor Casir (To seal off upp		ter-bearii	na zones)	☐ None
Well Type Monitoring Well					Diameter				
<ul><li>Piezometer</li></ul>					-			inches	
☐ Recovery Well ☐ Other					Material				
Permit				l	Length 2	9.3	fe	et	
Number				Į	Depth to Bottom	of Cas	sing	2 <b>9.3</b>	eet
Date				5	Seal Material G	irout	(5 bg F	Portland / 3	2 Bent Gel
Vell Construction Details									
Well Component		Material	(specify type)		Length		De	pth Below	Grade (feet)
	PVC	Stainless Steel	Teflon	Other	(feet)		Вс	ottom	Тор
Borehole							4	6.0	
Bottom Cap/Plug							-		
Sump (Tailpipe below screen)	Sch 40				0.60		46.16		Same as bottom of scree
Screen [Slot Size: 0.010 in	.] Sch 40	Pre-pack	3.375″0	D / 2" ID	9.55		4	5.56	36.01
Riser (Blank Casing above Screen	n) Sch 40				35.72	S	Same as to	p of screen.	0.29
nnular Fill Materials						Use	minus si	gn if top of ris	ser is above ground.
Component	Mate	rial Name/	Descriptio	'n	Quantity (No. of Bags/ Volume per Bag)	Tre	mied	Depth Be	low Grade (feet
						Yes	No	Bottom	Тор
latural Sand Pack		N/A			N/A	-	-	46.0	40.0
Artificial Sand Pack	Unimin Filte				2/50#		X	40.0	33.7
Sentonite Seal	Baroid Hole	olug (3/8"	pellets)		1/50#		X	33.7	28.6
Grout Seal	Portland Cer	nent/ Cet	co Benton	ite Gel	3/94#8	X	<u> </u>	28.6	1.0
acknii (ir arry)					12/50#				
Surface Seal	Quickrete -p	laced in 1	.5'x½' so	notube	2/80#		X	1.0	0.0
Vell Cover Finish Material Stick-up Steel Flush Aluminum Vault	Loc Sec	es Lock Numbe	er <u>2532</u>	Mea ∑	Top of Riser Top of Cover	ŧ		Protect D Y	Quantity
omments Vaper bond	y= 12 "vy	18,25	TO.	well	compk	fed	0)	n 6/2	8/12,
ecorded by (print name) Le	eslie Hoosier		5	ianature					Date 6/2/12
ecorded by (print name) St	tuart Cravens		S	ignature	119		4		Date 6/28/1.



Well Num	ber	UMW-308

## **WELL INSTALLATION RECORD**

Serial No. WIR-Borehole Number (if different) Project Name Champaign FMGP On-Site Well Installation Project No. 624-1201-0008 Client Company Ameren Cost Code. J0002 Site Name Champaign FMGP Site Site Address 308 North Fifth Street, Champaign, IL Well Diameter 2 inches **Conductor Casing** ☐ None (To seal off upper water-bearing zones) Well Type Monitoring Well
Piezometer Diameter 6 inches ☐ Recovery Well Material PVC Other Length 29,3 feet **Permit** Depth to Bottom of Casing 29.3 feet Number Seal Material Grout (11 bg Portland / 1 Bent Gel **Well Construction Details** Well Component Material (specify type) Length Depth Below Grade (feet) (feet) PVC Stainless Teflon Other **Bottom** Top Steel Borehole 45.0 Bottom Cap/Plug Same as bottom of screen Sump (Tailpipe below screen) 45.29 Sch 40 0.60 Screen [Slot Size: 0.010 in.] Sch 40 Pre-pack 3.375"OD / 2" ID 9.55 44.69 35.14 Same as top of screen. Riser (Blank Casing above Screen) Sch 40 34.89 0.25 **Annular Fill Materials** Use minus sign if top of riser is above ground. 2 Component Material Name/Description Quantity Tremied Depth Below Grade (feet) (No. of Bags/ Volume per Bag) Yes No **Bottom** Top Natural Sand Pack N/A N/A 45.0 40.0 Artificial Sand Pack Unimin FilterSil WG1 Х 40.0 32.5 Bentonite Seal Baroid Holeplug (3/8" pellets) Х 32.5 26.0 **Grout Seal** Portland Cement/ Cetco Bentonite Gel Х 26.0 1.0 Backfill (if any) Surface Seal Quickrete -placed in 1.5'x 1/2' sonotube Х 1.0 0.0 Well Cover Well Cove.

Finish Material

Stick-up Steel Lock Nurrium

No

Comments Vzer boring = 12" vo/8,25" zo. well completed 6/28/12

Signature Date 6/28/12

Date 6/28/12 Lock **Measuring Point Well Collision** 



TO W	ell Number	<u>umn</u>	106R	- WE						RECORI
S	erial No. <u>WIR-</u>									same_
Project Name Mounton	<i>(</i> 1)				Pro	oject 1	VO. 0	24-09	08	-0120
Client Company <u>Amureu</u>	· · · · · · · · · · · · · · · · · · ·					st Co	de	70002		
Site Name <u>Champlug</u>	n MGF	>								
Site Address 308 NG	oth St	•					~~~			
Well Diameter Z inc					ductor Casi		bearing z	ones)		None
Well Type  △ Monitoring Well  □ Piezometer  □ Recovery Well				D	iameter Material					
☐ Other				L	ength		_ feet			
Permit				D	epth to Bottom	of Casi	ng	feet		
Number Date			<del></del>		Seal Mater	ial				
Well Component  Well Component		Material	(specify type)		Length (feet)		De	pth Below	Gra	de (feet)
	PVC	Stainless Steel	Teflon	Other	, , ,		Во	ttom		Тор
Borehole							2	<u>a</u>		
Bottom Cap/Plug	X									
Sump (Tailpipe below screen)	NA				NIA	5	N	A	Same as bottom of scree	
Screen [Slot Size: 0.010 in.]	X			***************************************	10		1-	7	7	
Riser (Blank Casing above Screen)	X				6.5		Same as top	of screen.		0.5
Annular Fill Materials	<u> </u>					U	se minus	sign if top of	riser i	s above ground.
Component	Mate	rial Name/	Descriptio	n ·	Quantity (No. of Bags/ Volume per Bag)		mied			Grade (feet)
			<u> </u>		5016	Yes	No	Botton	1 ——	Тор
Plug beneath sand pack	11	nimin Filter	SILVA/C1		720		-	17		
Sand Pack Bentonite Seal		Gold Med			2.0	-	<del> </del>	5		0.5
Grout Seal		ment/Bent			2.0		<del> </del>			015
Backfill (if any)							1			
Surface Seal	· · · · · · · · · · · · · · · · · · ·	Concre	ete		5.0			0.5	)	0.0
Well Cover  Finish Material  ☐ Stick-up ☐ Steel  ☐ Flush ☐ Aluminum ☐ Vault		res Lock Numbe	er <u>2532</u>		asuring Poil Top of Riser Top of Cover	nt		Prote	ecto Yes Quai	lision rs Installed? ntity
Comments <u>Well insta</u>	Ned us	ing lele	720 h	rack	cig.		·		,	
Recorded by (print name) L.H.	osier Osier			Date_Z	-2-10	F	Reviewe	er [	)ate	



r le v	122	WELL INSTALLATION RECOR										
	Serial No. <u>WIR-</u>				E	3oreh	ole Nun	nber (if diffe	rent)_	Same		
roject Name <u>(Mampa</u>	ian M	GP		<del> </del>	Pr	oject	No. 102	24-09	08-	-0120		
lient Company America						st Co	nde.	TOU	72			
ite Name <u>(Mampaig</u>	MGP	)		·								
ite Address 308 N	3th St											
Well Diameter	ches				ductor Casi	_	r bearing :	zones)		None		
Well Type				·			-			,		
Monitoring Well  Piezometer				D	iameter Material							
☐ Recovery Well ☐ Other			<del></del>	1	ength							
Permit					epth to Bottom			feet				
Number				D				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Date					Ocal Mate							
Vell Construction Details	<del></del>	Matarial			Longth		De	epth Below	Gra	de (feet)		
Well Component		wateriai	(specify type)		Length (feet)		D.	-ptil Delow	Ola	ue (leet)		
	PVC	Stainless Steel	Teflon	Other			Во	ottom	Тор			
Borehole							Z	20		ZO		
Bottom Cap/Plug	X											
Sump (Tailpipe below screen)	X				5		2	0	Same as bottom of sc			
Screen [Slot Size: 0.010 in.]	X				10		10	5		5		
Riser (Blank Casing above Screen)	X				4.5			o of screen.		0.5		
nnular Fill Materials						(	Jse minus	sign if top of	riser i	s above ground.		
Component	Mater	rial Name/	Description	n	Quantity (No. of Bags/ Volume per Bag)	Yes	emied s No	Depth Be	<del></del> -,	Grade (feet		
Plug beneath sand pack	<del></del>				50 16	168	NO	Botton	-	ТОР		
Sand Pack	Un	imin Filter	Sil WG1		a	<del>                                     </del>	+	20		Ц		
Bentonite Seal			lium Chips	;	1.5		+	Н		0.5		
Grout Seal	Cei	ment/Bent	onite Mix				1					
Backfill (if any)			····									
Surface Seal		Concre	ete		5			6.5		0,0		
<b>Vell Cover</b> Finish Material  ☐ Stick-up ☐ Steel  ☑ Flush ☐ Aluminum ☐ Vault	Loc DY	es Lock Numbe	er2532		ASURING Point Top of Riser Top of Cover	nt		Well Prote □ ` ⊠'	ectoi Yes Quar	s installed		
Comments <u>Well wst</u> a	Ikd us	sing le	4050	rack	vig.							
Recorded by (print name) L.H.	disiur Ur			Date_Z	3/10	· 	Reviewe	er	ate_			



	Vell Numbe	<u>r UMW</u>	-123	VVE	LL IN	5 I A	\LL/	AHOr	4 1	KECORI
S	Serial No. <u>WIR</u>	-			E	3oreho	ole Nur	nber (if diffe	erent)_	Same
Project Name	aign.	MGP			Pr	oiect N	vo. 102	24-09	-86	0170
Client Company Amura	()							ODUZ		
Site Name		GP	-					-000		
	om s									
Well Diameter	- I			C	d					None
	cnes				ductor Casi To seal off uppe		bearing :	zones)		A None
Well Type				D	iameter		inches	S		
☐ Piezometer ☐ Recovery Well					Material _					
□ Other				Le	ength		feet			
Permit				Đ	epth to Bottom	of Casir	ng	feet		
Number Date					Seal Mate	rial				
Well Construction Details  Well Component		Material	(specify type)		Length	· [	De	epth Belov	v Gra	de (feet)
, , , , , , , , , , , , , , , , , , , ,	B) (O			Others	(feet)	-			<del></del>	
	PVC	Stainless Steel	Teflon	Other			B0	ottom		Тор
Borehole							2	$\circ$		
Bottom Cap/Plug	X						-			
Sump (Tailpipe below screen)	NA							-	Same	as bottom of screen
Screen [Slot Size: 0.010 in.]	N				10		[]	Q		6
Riser (Blank Casing above Screen)	1 ×				5.5	) [8	<u> </u>	o of screen.		0.5
Annular Fill Materials			<u> </u>				se minus	sign if top of	riser	is above ground. ፘ
Component	Mate	rial Name/l	Description	n	Quantity (No. of Bags/	Tre	mied	Depth B	elow	Grade (feet)
					Volume per Bag)	Yes	No	Bottor		Тор
Plug beneath sand pack					5016	103	110	Bottor		ТОР
Sand Pack	Ur	imin Filter	Sil WG1		7.0	ļ		lle		Ц
Bentonite Seal			lium Chips		1.5			4		<b>0.</b> 9
Grout Seal	Ce	ment/Bent	onite Mix				1	, , ,		
Backfill (if any)										
Surface Seal		Concre	ete					0.0	2	0.0
Well Cover  Finish Material  □ Stick-up □ Steel  X Flush □ Aluminum	Loc		er <u>2532</u>		Top of Riser Top of Cover	nt		Prot	ecto Yes	lision rs Installed?
Aluminum Vault  Comments Well insta	·			act i	ia.			<b>X</b> 2.	No	
				. = -	)					
Recorded by (print name) L.	msier									
Trecorded by (print fiame) L. [ ]				^	1014					
Signature Ald He	reiloc			Date 2	16110	<u> </u>	leviewe	er [	)ate_	

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



#### WATER WELL SEALING FORM

### PDF FILLABLE/SAVABLE

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1. Ownership (Name of Controlling Party)  AMEREN  UMNI-104	4
2. Well Location: Well Site Address 308 Ll. 5TH 5T. City CHAMPAIL Zip Lot8	20
Lot# Land I.D.# County CHAMPAIAN Township 19	N
Range 9E Section 7 NE Quarter of the 5W Quarter of the Quarter	:r
GPS: North Degrees Minutes Seconds Seconds West Degrees Minutes Seconds Seconds Minutes Seconds Seconds North Degrees North Degrees Minutes Seconds Seconds North Degrees North Degrees North Degrees North Degrees North Degrees North No	5 N
Year Drilled     4. Drilling Permit Number (and date, if known	
5. Type of Well (ft.) 20.0 Diameter (in.) 2.0	R
7. Formation clear of obstruction YES	
Detains of Plugging (bentonite, neat cement or other materials)	
Filled with BELITOLITE GAIPS From (ft.) 20.0 to (ft.) 2.0	
Kind of plug From (ft.) to (ft.)	
Filled with From (ft.) to (ft.)	
Kind of plug From (ft.) to (ft.)	
Filled with From (ft.) to (ft.)	
Kind of plug From (ft.) to (ft.)	
9. CASING RECORD Upper 2 feet of casing removed YES 10. Date well was sealed 9/15/10	1
	J
11. Licensed water well driller or other person approved by the Department performing well sealing	
Name SEREMY TODD BIGNALL Complete License Number 092-007590	
Address 210 W. Sandbank Rd. City Columbia State IL. Zip Code 622	36

This state agency is requesting discolsure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.

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Owner	ship (N	lame of Controlling Pa	rty) Ar	neren Servi	ices	UN	1W-11	101	0				
. Well L	ocation	Well Site Address	308 N	. 5th			City	Chan	npaign			Zip	61820
Lot#	NA	Land I.D.#	NA		County	Cha	ampaig	n			Town	ship	19N
Rang	e 9E	Section 7		NE	Quarter o	f the	NE		Quarter o	f the	SW		Quarter
GPS:	North Degre	es 40 Minutes	7	Seconds	8.6		Vest Jegrees	88	Minute	s 13		Secon	ds 50 8
Repor	t decima be latitu	al minutes to minutes and ude 38 degrees 46 minute	seconds b s 4.2 secor	y multiplying that	he decimal p = 4.2) N. R	art of	the minu	tes by 6	30, e.g. latin	ude 38 arest 0	degre	es 46.0 nd.	7 minutes N
Year D	rilled	NA 4.	Drilling Pe	ermit Numbe	r (and date	, if kn	own [	NA					
Туре о	f Well	Drilled	6.	Total Depth	n (ft.) 20	7	7.0	Diame	eter (in.)	2			
Format	ion cle	ar of obstruction Yes	3										
Detains	of Plu	gging (bentonite, neat	cement or	r other mater	rials)								
Filled v	with	Compacted Soil		From (ft.)		0	t	o (ft.)		4	3		
Kind of	fplug	Bentonite Chips (3/8	3")	From (ft.)		4 3	, t	o (ft.)	17	20	7		
Filled v	vith			From (ft.)			t	o (it.)		-			
Kind of	fplug		* 110	From (ft.)			t	o (ft.)			+		
Filled v	vith			From (ft.)			t	o (ft.)					
Kind of	plug			From (ft.)			t	o (ft.)			-		
CASIN	G REC	ORD Upper 2 feet of c	asing rem	noved Yes		1	0. Date	e well v	vas seale	d Je	ıl 7, 2	009	Nov 6, 20
License	ed wate	er well driller or other pe	erson app	roved by the	Departme	nt per	forming	well s	ealing				
Name	jere	emy Bignaii	5 B;	5-20	Complete	Lice	nse Nur	nber	092-007	90			-
Addre	ss Z	210 West Sand Bank R	oad	City Colum	nbia		State	Illino	is		Zip	Code	62236

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



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1;	Ownership (N	lame of Controlling	g Party)	Ameren Servi	ices	UMW-1	111				
2	Well Location	Well Site Addre	ess 30	8 N. 5th		City	Cha	mpaign		Zip	61820
	Lot # NA	Land I.D.#	t NA	A	County	Champa	aign		Tow	nship	19N
	Range 9E	Section	7	NE	Quarter of	the NE		Quarter of t	he SW		Quarter
	GPS: North Degre	ees 40 Min	utes 7	Seconds	8.6	West Degre	es 88	Minutes	13	Secon	ds 50.8
		al minutes to minutes ude 38 degrees 46 m									7 minutes N
3.	Year Drilled	NA	4. Drillin	g Permit Numbe	r (and date,	if known	NA				
5.	Type of Well	Drilled		6. Total Depti	h (ft.) 20.	7	Diam	eter (in.) 2			
7.	Formation cle	ar of obstruction	Yes		-						
8.	Detains of Plu	igging (bentonite, r	neat ceme	ent or other mater	rials)						
	Filled with	Compacted Soil		From (ft.)		0	to (ft.)		3		
	Kind of plug	Bentonite Chips	(3/8")	From (ft.)		3	to (ft.)		20.7		
	Filled with			From (ft.)			to (ft.)				
	Kind of plug			From (ft.)			to (ft.)				
	Filled with			From (ft.)			to (ft.)				
	Kind of plug			From (ft.)			to (ft.)				
9.	CASING REC	ORD Upper 2 fee	t of casing	removed Yes		10. D	ate well	was sealed	Jul 7, 2	2009	
		er well driller or oth		1	Departmen	it perform	ing well:	sealing	1		
	Name Jer	emy Bignall _ \( \) s	المساحر (	Bis-60	Complete	License N	lumber	092-007590	)		-
	Address	210 West Sand Bar	nk Road	City Colum	nbia	State	e Illino	ois	Zij	p Code	62236

#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



### WATER WELL SEALING FORM

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1

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1,	Ownersh	ip (Na	me of Controlling I	Party) A	meren Servi	ices U	MW	114						
2.	Well Loca	ation:	Well Site Addres	s 308 N	l. 5th			City	Char	mpaign	COREST COLUMN		Zip	61820
	Lot#	NA	Land I.D.#	NA		County	Cha	mpaig	jn			Tow	nship	19N
	Range	9E	Section	7	NE	Quarter of	the	NE		Quarter of	the	SW		Quarter
	GPS: N	lorth Degree	s 40 Minut	es 7	Seconds	7.9		/est egrees	88	Minute	s 13		Second	ds 52
			minutes to minutes ar e 38 degrees 46 minu											7 minutes N
3.	Year Drill	led	NA 4	Drilling P	ermit Numbe	r (and date	if kno	own [	NA					
5.	Type of V	Vell	Drilled	6	. Total Depth	h (ft.) 20.	4		Diame	eter (in.)	2		1	
7.	Formation	n clear	of obstruction Y	'es										
3.	Detains o	of Plug	ging (bentonite, nea	at cement o	r other mater	rials)								
	Filled wit	h C	Compacted Soil		From (ft.)		0	T. t	to (ft.)			3		
	Kind of p	lug E	Bentonite Chips (	3/8")	From (ft.)		3	t	to (ft.)		20.	4		
	Filled with	h [			From (ft.)			t	o (ft.)					
	Kind of p	lug			From (ft.)			t	o (ft.)					
	Filled with	h			From (ft.)			į t	o (ft.)					
	Kind of pl	lug	THE PARTY OF THE P		From (ft.)			t	o (ft.)					
).	CASING	RECO	RD Upper 2 feet o	f casing rer	noved Yes		10	). Date	e well v	vas sealed	Ju	17, 2	:009	
۱.	Licensed	water	well driller or other	person app	proved by the	Departmen	t perf	forming	well s	ealing				
	Name	Jeren	ny Bignall 🜙 🗚	wy T.	B:5-00	Complete I	Licen	se Nur	mber	092-0075	90			
	Address	21	0 West Sand Bank	Road	City Colun	nbia		State	Illino	is	-	Zip	Code	62236

# ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



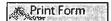
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Well Location	Well Site Addres	ss 308 N	N. 5th		City	Cham	paign		Zip	61820
Lot # NA	Land I.D.#	NA		County C	hampaig	ın		T	ownship	19N
Range 9E	Section	7	NE	Quarter of the	e NE	Q	uarter of	the S	SW	Quarte
GPS: North Degre	ees 40 Minu	ites 7	Seconds	9	West Degrees	88	Minutes	13	Secon	ds 49.4
	al minutes to minutes a ude 38 degrees 46 min									7 minutes
Year Drilled	NA	4. Drilling F	Permit Number	r (and date, if k	nown	NA				
Type of Well	Drilled		6. Total Depth	n (ft.) 45		Diamet	er (in.)	2		
Formation cle	ear of obstruction	Yes	•							
	-									
Detains of Plu	igging (bentonite, ne	eat cement o	or other mater	ials)						
Detains of Plu Filled with	Compacted Soil	eat cement o	or other mater From (ft.)		0 1	to (ft.)		3		
			5			to (ft.)		3 45		
Filled with	Compacted Soil		From (ft.)		3 1					
Filled with Kind of plug	Compacted Soil		From (ft.)		3 1	to (ft.)				
Filled with Kind of plug Filled with	Compacted Soil		From (ft.) From (ft.)		3 1	to (ft.)				
Filled with Kind of plug Filled with Kind of plug	Compacted Soil		From (ft.) From (ft.) From (ft.)		3 1 t	to (ft.)				
Filled with Kind of plug Filled with Kind of plug Filled with Kind of plug	Compacted Soil	(3/8")	From (ft.) From (ft.) From (ft.) From (ft.) From (ft.)		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to (ft.)  to (ft.)  to (ft.)  o (ft.)  o (ft.)	as sealed	45	7, 2009	
Filled with Kind of plug Filled with Kind of plug Filled with Kind of plug CASING REC	Compacted Soil Bentonite Chips (	(3/8") of casing re	From (ft.) From (ft.) From (ft.) From (ft.) From (ft.) From (ft.)		3 1 1 t t 10. Date	to (ft.)  to (ft.)  to (ft.)  o (ft.)  o (ft.)		45	7, 2009	



#### ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 W. JEFFERSON ST. SPRINGFIELD, IL 62761



### WATER WELL SEALING FORM

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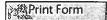
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1.	Ownership (f	Name of Controlling Party	Ameren Serv	ices	UMW-304	4			
2.	Well Location	n: Well Site Address	308 N. 5th		City	Champa	aign	Zip	61820
	Lot # N	A Land I.D.# N	Ą	County	Champaig	n		Township	19N
	Range 9E	Section 7	NE	Quarter of t	he NE	Qu	arter of the	SW	Quarter
	GPS: North Degre	n ees 40 Minutes	7 Seconds	9.6	West Degrees	88	Minutes 13	Secor	nds 52.4
		nal minutes to minutes and se tude 38 degrees 46 minutes 4							07 minutes N
3.	Year Drilled	NA 4. Dr	illing Permit Numbe	r (and date, i	f known	NA			
5.	Type of Well	Drilled	6. Total Depti	n (ft.) 45.2	2	Diameter	r (in.) 4		
7.	Formation cle	ear of obstruction Yes							
8.	Detains of Plu	ugging (bentonite, neat ce	ment or other mater	rials)					
	Filled with	Compacted Soil	From (ft.)		0 t	o (ft.)		3	
	Kind of plug	Bentonite Chips (3/8")	From (ft.)		3 t	o (ft.)	45.	2	
	Filled with		From (ft.)		t	o (ft.)		transcore.	
	Kind of plug		From (ft.)		t	o (ft.)			
	Filled with		From (ft.)		t	o (ft.)			
	Kind of plug		From (ft.)		t	o (ft.)			
9.	CASING REC	CORD Upper 2 feet of cas	ing removed Yes		10. Date	well was	sealed Ju	17, 2009	
1.	Licensed water	er well driller or other pers	on approved by the	Department	performing	well seal	ing		
	Name Jer	emy Bignall	Bismal	Complete L	icense Nun	nber 09	2-007590		
	Address	210 West Sand Bank Roa	d City Colum	nbia	State	Illinois		Zip Code	62236

This state agency is requesting discolsure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631- Revised 5/09

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.



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1. Ownership (f	Name of Controlling Pa	rty) Ameren Servi	ces	UMW-110				
2. Well Location	Well Site Address	308 N. 5th		City	Champaign		Zip	61820
Lot # NA	Land I.D.#	NA	County	Champaigr	1	То	wnship	19N
Range 9E	Section 7	NE	Quarter of the	ne NE	Quarter o	of the SI	N	Quarter
GPS: North Degre	n ees 40 Minutes	7 Seconds	9.9	West Degrees	88 Minute	es 13	Secon	ds 49.9
	al minutes to minutes and ude 38 degrees 46 minutes							7 minutes N
3. Year Drilled	NA 4 [	Orilling Permit Number	r (and date, if	known N	Α			
5. Type of Well	Drilled	6. Total Depth	n (ft.) 20.8		Diameter (in.)	2		
7. Formation cle	ear of obstruction Yes	3						
3. Detains of Plu	ugging (bentonite, neat	cement or other mater	ials)					
Filled with	Compacted Soil	From (ft.)		0 to	o (ft.)	3		
Kind of plug	Bentonite Chips (3/8	B") From (ft.)		3 to	o (ft.)	20.8		
Filled with		From (ft.)		to	(ft.)			
Kind of plug		From (ft.)		to	o (ft.)			
Filled with		 From (ft.)		to	(ft.)			
Kind of plug		From (ft.)		to	(ft.)			
9. CASING REC	CORD Upper 2 feet of c	asing removed Yes		10. Date	well was sealed	Jul 7	2009	
1. Licensed water	er well driller or other pe	erson approved by the	Department	performing	well sealing			
Name Jer	remy Bignall	, B: 5-LD	Complete Li	cense Num	ber 092-0075	90		
Address	210 West Sand Bank Ro	oad City Colun	ahia	-	Illinois	2000 70000		62236

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Ownership (N	lame of Controlling Party)	AMERE	N			umw-	115
Well Location	Well Site Address	308 N. 5th	ST.	City	CHAMPAI	SN Zip	6182
Lot#	Land I.D.#	agentini di Mangayan manana sa ka sa	County	CHAMP	AIGN	Township	19N
Range 9	E Section 7	Quarter of the	Qua	arter of the	Quarte	er	
	, -	NE	3	w			
GPS: North Degre	ees Minutes	Seconds		West Degrees	Minutes	Second	ts
	al minutes to minutes and secude 38 degrees 46 minutes 4.						7 minutes N
Year Drilled	1990 4. Dril	ling Permit Number (a	and date, if k	known			
Type of Well	6W Monitoring	6. Total Depth (	t.) 21.	5 Dia	meter (in.)	2.0	
Formation cle	ar of obstruction YE	5					
Detains of Plu	igging (bentonite, neat cer	nent or other material	s)				
Filled with	BENTONITE CHIP-1/8- inch hydrate	ડ From (ft.)	21.5	to (ft.	٥ (		
Kind of plug		From (ft.)		to (ft.	)		
Filled with		From (ft.)		to (ft.	)	TO SECURITY OF THE PARTY OF THE	
Kind of plug		From (ft.)		to (ft.	)	No. of the last of	
Filled with		From (ft.)	-6 (4)	to (ft.	)		
Kind of plug		From (ft.)		to (ft.	)	*************	
CASING REC	ORD Upper 2 feet of casi	ng removed YES	5	10. Date we	ll was sealed	3-17-11	
Licensed water	er well driller or other person	on approved by the De	epartment p	erforming we	ll sealing		
Name S	LANGEREMY T. BIGA	IALL C	omplete Lic	ense Numbe	092-00	7590	
Address	210 W Sandbank Ro	A. City Colum	abia	State	14.	Zip Code	6223