BADGER STATE DRILLING CO., INC.

360 BUSINESS PARK CIRCLE STOUGHTON, WI. 53589-3395 TELEPHONE - ((608) 877-9770

FAX - (608) 877-9771

DATE:

JULY 17, 2019

RE:

DRILLING SERVICES

PROJECT:

WELL ABANDONMENT, 4505 TERMINAL DR., MCFARLAND, WI

WDNR

PROJECT MANAGER - CINDY LOEPKE

SCOPE OF WORK:

ABANDON FOUR 2.0" PVC WELLS AT 12.5', 32.0', 32.0' AND 27.0', WELL WILL BE FILLED WITH 3/8" BENTONITE CHIPS AND CUT OFF 30.0" BGS. PROTECTIVE WELL COVERS WILL BE REMOVED

AND PATCHED TO MATCH EXISTING SURFACE.

ESTIMATED COST:		UNITS		COST	AMOUNT
	MOBILIZATION\DEMOBILIZATION	1.0 LUMP	@\$	300.00	300.00
	- PROJECT COORDINATION	1.0 LUMP	@\$	100.00	100.00
	- REMOVE PROTECTIVE WELL COVERS	4.0 EA.	@\$	50.00	200.00
	- 2.0" WELL ABANDONMENT	103.5 FT.	@\$	7.50	776.25
	- SURFACE PATCH	4.0 EA.	@\$	50.00	200.00
	*	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	•	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	-	0.0	@\$	0.00	0.00
	- STANDBY TIME FOR DELAYS CAUSED BY OWNER OR THEIR REPRESENTATIVE	0.0 HR.	@\$	200.00	0.00

TOTAL ESTMATED COST

1576.25

ACCEPTED BY:

DATE:

SUBMITTED BY:

BADGER STATE DRILLING, INC.

17-Jul-19

WELL/DRILLHOLE/BOREHOLE ABANDONMENT 2/2000 Form 3300-5P

Page 1 of 2

Route to: Drinking Water Watershed/Wastewater Waste Manage (1) GENERAL INFORMATION	gement Remediation/Redevelopment Other
W! Unique Well No. DNR Well ID No. County	Facility Name
Dane	Flint Hills Resources
	Facility ID
Common Well Name MW- Co Gov't Lot (If applicable)	•
NE 1/4 of NE 1/4 of Sec. 33; T. 7 N; R. 10 E Grid Location	Street Address of Well 4505 Terminal Drive
Grid Location —	City, Village, or Town
ft. N. S.,ft. E. W.	McFarland
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat Long or	Flint Hills Resources Same
S C N	Street Address or Route of Owner
St. Plane ft. N. ft. E. Cone	
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
End 07 Study of Replacement Well	53558
(3) WELL/DRILLHOLD/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date 11/05/96	Pump & Piping Removed? Yes No W Not Applicable
Monitoring Well	Liner(s) Removed? Yes No Not Applicable Screen Removed? Yes No Not Applicable
If a Well Construction Report	
Borehole / Drillhole	A
Construction Type:	Was Casing Cut Off Below Surface? X Yes No
Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? Yes No
Driven (Sandpoint)	Did Material Settle After 24 Hours? Yes X No
Other (Specify)	If Yes, Was Hole Retopped? Yes No
Formation Type:	Required Method of Placing Sealing Material
Unconsolidated Formation Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped
Total Well Depth (ft.) 12.4" Casing Diameter (in.)	Screened & Poured Other (Explain)
(From anound murface)	(Bentonite Chips)
Casing Depth (it.)	Sealing Materials For monitoring wells and
Lower Drillhole Diameter (in.) 8"	☐ Neat Cement Grout monitoring well boreholes only ☐ Sand-Cement (Concrete) Grout
Was Well Annular Space Grouted? Yes X No Unknown	Sand-Cement (Concrete) Grout Bentonite Chips Granular Bentonite
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb/gal. wt.)
Don't to War (See) Go I S. Jun	Bentonite-Sand Slurry " "
Depth to Water (Feet) Ground Surface	
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) Sacks Scalant One) No. Yards, (Circle One) or Mud Weight
3/8" Benjonite Chips	Surface 12'4" 12
370 DENHAR CHIPS	18 1 10
(6) Comments:	
(o) Commonts.	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	TOP DAIL OF COLD HAT YOU ONLY
Badger State Drilling Co., Inc. 8/19/19	FOR DNR OR COUNTY USE ONLY Date Received Noted By
Signature of Person Doing Work Date Signed	Date Received 170ted by
W Cuse 8/19/19	Comments
Street of Route Telephone Number 360 Business Park Cr. (608) 877-9770	
City, State, Zip Code	
Stoughton, WI 53589	

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5P 2/2000 Page 1 of 2

		ed/Wastewater				
(1) GENERAL INFORMATION WI Unique Well No. DNR Well ID No. County			(2) FACILITY/OWNER INFORMATION			
WI Unique Well No.	DNK Well ID No.	B1	Facility Na		า	
		Dane		Hills	Resources	
Common Well Name	P2-9	Gov't Lot (If applicable)	The second secon		License/Permit/	Moniforing No.
NE 1/4 of NE Grid Location	1/4 of Sec. 33	; T. 7 N; R. 10 W	Street Address	5 Ter	minal Dr	7V C
fi.] N. 🗌 S., _	ft. 🗌 E. 🗌 W.	City, Villag	e, or Town		
) or Well Location	Present Well	Owner	Original	
Lat	. Long	or	Street Addr	ess or Route of	orces San	<u>/e</u>
St. Plane	ft. N	ft. E. 🗖 🖺 🖺 Zone	4505	Tern		re
Reason For Abandonm	and the second s	nique Well No.	City, State,			
END OF St	Solu of Re	placement Well		3558	G 2000 Section	
(3) WELL/DRILLH	OLE/BOREHOLE	INFORMATION	(4) PUMP,	LINER, SCI	REEN, CASING,	& SEALING MATERIAL
Original Construct	ion Date ///04	4 196	Pump &	Piping Remo	ved? Yes	☐ No ☑ Not Applicable
PIPM .	County Co		Liner(s)	Removed?	☐ Yes	☐ No ☑ Not Applicable
Monitoring W	ell I If	a Well Construction Report	Screen I	Removed?	Yes	No Not Applicable
Water Well Borehole / Dril	is	available, please attach.	Casing 1	Left in Place?	Yes Yes	□ No
Construction Type:			Was Ca	sing Cut Off I		Yes No
Drilled	Driven (Sa	indpoint) Dug	F 7. C C C C C C C C C C C C C C C C C C	or content and a second		Yes No
)		Difference of the Control of the Con	Allertin Allertini moral	fter 24 Hours?	Yes No
Formation Type:	/			, Was Hole R	Placing Sealing Mate	Yes No
	I Formation	☐ Bedrock		ductor Pipe-G		uctor Pipe-Pumped
Total Well Death (ft)	20'0" Cas	ing Diameter (in.)	Scre	ened & Pour	ed Othe	r (Explain)
(From groundsurface)		ing Depth (ft.)	· · · · · · · · · · · · · · · · · · ·	entonite Chips Materials		or monitoring wells and
Lower Drillhole Dian			☐ Neat	t Cement Grou	ıt m	onitoring well boreholes only
		Yes No Unknown		I-Cement (Concrete	ncrete) Grout	Bentonite Chips
			. =		(11 lb./gal. wt.)	Granular Bentonite
If Yes, 10 What	Depth?	reet	2000.000	tonite-Sand Si	The contract of the contract o	Bentonite - Cement Ground
Depth to Water (Fee	<u>5'3''</u>		☐ Ben	tonite Chips		Bentonite - Sand Slurry
(5) Mate	rial Used To Fill W	/ell/Drillhole	From (Ft.)	To (Ft.)	or Volume (Ci	rcle Mix Ratio ne) or Mud Weight
Top	5,14	grass seed unte Unips	Surface	1'		
3	א פיים	1 11	,1	32°0″	,	
	18 Deman	life Chips	/	20 0		
(6) Comments:						
(7) Name of Person or			ment	FOR	DND OD COUNT	V HOE ONLY
Badger State Dril		8/19/19	Date	Received	DNR OR COUNT	I USE UNLY
Signature of Person Do		Date Signed 8/19/19				
Street or Route	20 T	Telephone Number	Com	ments	y- 10	
360 Business Pa	rk Cr.	(608) 877-9770				
City, State, Zip Code Stoughton, WI 53	3589					

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Form 3300-5P 2/2000

		ed/Wastewater Waste Mana				
(1) GENERAL INFORMATION			(2) FACILITY/OWNER INFORMATION			
WI Unique Well No.	DNR Well ID No.		Facility Na	me (1)		
		Dane		4116 Re		
Common Well Name	P2-10	Gov't Lot (If applicable)	Facility ID		License/Permit	/Monitoring No.
NE 1/4 of NE Grid Location	1/4 of Sec. 33	; T. 7 N; R 10 X E	Street Addr		minal Di	ento
			City, Villag	c or Town	MINGI	774
ft. [] N. 🗌 S., 🔃	ft. 🔲 E. 🔲 W.		arland		
Local Grid Origin	(estimated:) or Well Location	Present Well	Owner	Original	Owner
• 1	u			Is Reso		
Lat	. Long		Street Addr	ess or Route of	urces Sar	//e
St. Plane	ft. N	ft. E. DDD Zone				,,
Reason For Abandonme		Inique Well No.	City, State,		Drival Driv	<i>i</i> e
	. 1		and the same of th	3558		
END OF Sh		placement Well			THE CLOSES	
(3) WELL/DRILLHO	OLB/BOREHOLE	SINFORMATION				& SEALING MATERIAL
Original Constructi	on Date ///D	5/9/2		Piping Remo	ved? Yes	☐ No ☑ Not Applicable
NAME AND ADDRESS OF THE PARTY O			Liner(s)	Removed?	Yes	☐ No ☑ Not Applicable
Monitoring We	i if	a Well Construction Report	Screen 1	Removed?	Yes	☐ No ☑ Not Applicable
Water Well	is	available, please attach.	Casing	Left in Place?	Y Yes	☐ No
☐ Borehole / Drill	lhole	The state of the s	W Co	sina Cut Off 1	Palou Sueface?	Yes No
Construction Type:			ì		Below Surface?	
Drilled	Driven (Sa	andpoint) Dug	Did Sea	ling Material	Rise to Surface?	Yes No
		•	Did Ma	terial Settle A	fter 24 Hours?	Yes X No
Uther (Specify))		If Yes	, Was Hole R	etopped?	Yes No
Formation Type:			Require	d Method of l	Placing Sealing Mat	terial
Unconsolidated	Formation	☐ Bedrock	Conductor Pipe-Gravity Conductor Pipe-Pumped			
•		211	Screened & Poured Other (Explain)			
Total Well Depth (ft.)	32 0 Cas	sing Diameter (in.)		enea & Pour entonite Chips		er (Explain)
(From groundsurface)		sing Depth (ft.)		Materials		or monitoring wells and
				Cement Grou		nonitoring well boreholes only
Lower Drillhole Dian	ieter (in.)			d-Cement (Co	C I	
Was Well Annuler Co	nace Growted?	Yes X No Unknown			ilicrete) Oroti	Bentonite Chips
" as well Allitain of				crete		Granular Bentonite
If Yes, To What	Depth?	Feet			(11 lb./gal. wt.)	Bentonite - Cement Grou
		ı	☐ Ben	tonite-Sand Sl	mry " " i	
Depth to Water (Feet	6 10		Ben	tonite Chips		Bentonite - Sand Slurry
	rial Used To Fill W		From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	ircle Mix Ratio one) or Mud Weight
Tac	2 -Sv/ 4	- Grass Seed	Surface	1'		
3/8	" Bendar	ite Chips	1'	32'0"		
	,	in Gilps	 			
			1			- 1
			J	L		
(6) Comments:						
(7) Name of Person or I	Gian Daire Carti	g Work Date of Abandor		······································		
	100 State 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		nment	FOI	DAID OD COUNT	ZY ÎLGE ONI V
Badger State Drill		18/19/19	7	Received	DNR OR COUNT	I USE ONLY
Signature of Person Doi	ing Work	Date Signed	Date	Received	Noted By	
W Cw:		8/19/19	Car	ments	<u> </u>	
Street or Route		Telephone Number	Con	ments		
360 Business Pa	rk Cr.	(608) 877-9770				. 4
City, State, Zip Code					*	
Stoughton, WI 53	3589					

WELL/DRILLHOLE/BOREHOLE ABANDONMENT Page 1 of 2 2/2000

Form 3300-5P

Route 10: Drinking Water Watershed/Wastewater Waste Manag	
(1) GENERAL INFORMATION	(2) FACILITY/OWNER INFORMATION
W! Unique Well No. DNR Well ID No. County	Flust Hills Resources
Dane	Facility ID License/Permit/Monitoring No.
Common Well Name PZ-1) Gov't Lot (If applicable)	
<u>NE</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>33</u> ; T. <u>7</u> N; R. <u>10</u> ₩ E	Street Address of Well 4505 Terminal Drive
ft. N. S., ft. E. W.	City, Village, or Town
Local Grid Origin (estimated:) or Well Location	Present Well Owner Original Owner
Lat. Long or	Flint Hills Resources Same
St. Planeft. Nft. E. S C N Zone	Street Address or Route of Owner 4505 Terminal Drive
Reason For Abandonment WI Unique Well No.	City, State, Zip Code
End of Study of Replacement Well	53558
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
	Pump & Piping Removed? Yes No W Not Applicable
Original Construction Date 11105/96	Liner(s) Removed? Yes No Not Applicable
Monitoring Well If a Well Construction Report	Screen Removed? Yes No Not Applicable
Water Well Borehole / Drillhole Water Well is available, please attach.	Casing Left in Place? Yes No
Construction Type:	Was Casing Cut Off Below Surface? Yes No
Drilled Driven (Sandpoint) Dug	Did Sealing Material Rise to Surface? Yes No
Other (Specify)	Did Material Settle After 24 Hours? Yes X No
Formation Type:	If Yes, Was Hole Retopped? Yes No Required Method of Placing Sealing Material
☑ Unconsolidated Formation ☐ Bedrock	
•	☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☐ Other (Explain)
Total Well Depth (ft.) 27'0" Casing Diameter (in.) 2" (From groundsurface) Casing Depth (ft.)	(Bentonite Chips)
Lower Drillhole Diameter (in.) 8"	Sealing Materials For monitoring wells and monitoring well boreholes only
300	Sand-Cement (Concrete) Grout Bentonite Chips
Was Well Annular Space Grouted? Yes X No Unknown	Concrete Granular Bentonite
If Yes, To What Depth? Feet	Clay-Sand Slurry (11 lb./gal. wt.) Bentonite - Cement Grout
0. 1. 1. 1. 1. 1.	Bentonite-Sand Slurry " "
Depth to Water (Feet) Graund Surface	Demonite Cuips
(5) Material Used To Fill Well/Drillhole	From (Ft.) To (Ft.) No. Yards, (Circle One) or Mud Weight
318" Bendovik Chips	Surface 27'0" /
•	
(6) Comments:	
(O) Commons.	
(7) Name of Person or Firm Doing Sealing Work Date of Abandon	ment
Badger State Drilling Co., Inc. 8/19/19	FOR DNR OR COUNTY USE ONLY
Signature of Person Doing Work Date Signed	Date Received Noted By
1 / LUSO 8/19/19	
Street or Route Telephone Number	Comments
360 Business Park Cr. (608) 877-9770	
City, State, Zip Code Stoughton, WI 53589	



ENVIRONMENTAL/GEOTECHNICAL DRILLING SERVICES

Date	Invoice #		
8/19/2019	8615		

P.O. Number

Wisconsin DNR South Central Region 3911 Fish Hatchery Rd. Fitchburg, WI 53711

Project Name	
Well Abandonment	
4505 Terminal Dr.	
McFarland, WI	

Quantity	<u>Description</u>	<u>Unit Price</u>	Item Total
1 1 4 103.5 4	Mobilization & Demobilization Project Coordination Ea Remove Protective Well Covers Ft 2.0" Well Abandonment Ea Surface Patch RECEIVED AUG 2 2 2019 DNR R&R SOUTH CENTRAL REGION	300.00 100.00 50.00 7.50 50.00	300.00 100.00 200.00 776.25 200.00
Terms Memo	Net 30 Job 7678 Inv. 8615	Balance Due	\$1,576.25 MAG