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PARSONS ENGINEERING SCIENCE SOIL BORING LOG AND WELL CONSTRUCTION RECORD

	VELLING.	_			Page 1 of 3							
Site Me	EHNC)enc	t		Project I.D. <u>732283.02</u>							
Boring					Well I.D. <u>MW-56</u>							
			r Bry	an Burkingstock	Date Installed 8/17/98							
Drilling					Date Grouted 8/18/98							
Samplin	g Meth	od_3	3" Dia	meter Split Spoon	Casing Material 2" Diameter sch 40 PVC							
Date S						ial <u>0.010 Slot 2''</u>	PVC					
Date C						al (ft) <u>0-59</u>						
Driller_A	<u> tlanta</u>	Tes	tina t	and Engineering		erval (ft) <u>59-68</u>	9					
				8	Sump Installe							
Depth					Well Depth (1							
Ground						n (ft) <u>288.55</u> (ft) 223.34						
Depth :					Water Level Date Measure							
Date M	easure	a <u>8</u> /	26/9	<u> </u>	Date Measure	30 <u>0/20/00</u>						
			T									
			_			182	WELL DIAGRAM					
DEPTH (feet) SAMPLE	BLOMS/6 IN	ین	HNU/OVA (ppm)	LITHOLOGIC DESCR	TPTION	SS GRAPHIC	HELL DIAGRAM					
	S	% REC.	(mqq)	El Moldold Beddin	11 11011							
S) H	•	포									
				<u> </u>								
0-												
1 17	_											
	6,8, 9,10	85	0	CLAY, some silt, firm, reddish yellov	v (7.5YR-6/6), dry,							
1 ()	9,,0			(loess).		ML 4 · · · · · · ·						
1 1X	4,11,	80	0	SILT, some clay, firm, reddish yello	w (7.5YR-6/6), dry,							
5	12,15			(loess).		\(\frac{1}{2} \cdot \cdot \frac{1}{2} \cdot \cdo						
	5,7,	100	0	CN T as about		44						
\top 1	7,7			SILT, as above.								
1 1/												
1 4X	3,4,	95	0	SILT, little clay, soft, reddish yello	w (7.5YR-8/6), wet,	44						
 ()	4,7			(loess).								
10-IV	3,3,	80	0	SILT, as above.								
"\V	3,3					**						
I	3,3,	90	0	07.7								
1 11	4,7	90		SILT, as above, firm, moist.								
 ()							<u>≿</u>					
- X	5,5, 6,10	95	0	SILT, some clay, brown (7.5YR-5/	4), sl. moist, firm,		Sturry					
15-1/	9,10	}	1	(loess).			61					
							Bentorit					
							Bei					
1												
1 1	1					ML VV VV						
20-X	2,3, 4,7	80	0.3	SILT and CLAY, soft to firm, reddi	sh yellow	~~~~						
1 4	- -'			(7.5YR-6/6), sl. moist.			is .					
						\ \ \ \ \ \ \ \ \						
			1									
1 . 1	1	85			Amm cat ac: =	^ ~ ~						
25-X	0,1,	05	"	SILT and CLAY, 24-25.5' as above								
1 +	1			some clay, red (2.5YR-5/8), slight (loess).	TA MOIST SOLF TO TILM!							
4												
1			1			1 2 2 2 1						
	19,25,	90	0.3			1 2 2 2						
1 - 1	33	-		·		SW · . · ·	WRAP					
1 30 V	<u> </u>	٠ا	<u> </u>	1			1000					

ENGINEERING - SCIENCE SOIL BORING LOG AND WELL CONSTRUCTION RECORD

ring ologi	mphis I.D. <u>SE</u> st <u>Bry</u>	3-6	,	We	Project I.D. <u>732283.02</u> Well I.D. <u>MW-56</u> Date Installed <u>8/17/98</u>						
SAMPLE	BLOWS/6 IN	%REC.	HNu/OVA (ppm)	LITHOLOGIC DESCRIPTION			GRAPHIC LOG	WELL DIAGRAM			
) X				SAND, fine to medium, well sorted, slightly moist, (2.5YR-4/8) red with yellow mottles (7.5YR-5/8), very firm.		SW					
5-X	18,36, 49, -	80	1.1	SAND, medium, well sorted, red (2.5YR-4 very firm to dense.	4/8), moist,						
)-X	17,36, 50, –	80	2	SAND, medium, well sorted, orange, (5YF yellow mottles, (10YR-7/8), firm to dens	R-5/8), few se, moist.						Bentonite Slurry
;-X	7,18, 25, –	80	1.1	SAND, as above, loose to very firm.							Benton
)- X	7,13, 17, -	80	1.9	SAND, loose to firm, orange, (7.5YR-6/i sand layers with orange/yellow color ch grained, well sorted, (2.5YR-7/4), moist	anges, medium						
;X	10,22, 42, –	50	2.7	SAND, loose to dense, medium to coarse orange (7.5YRyr-6/8), moist, ~ 65' fluvi with sand.	e, well sorted, ial gravel mixed						*
)	10,23, 38, -	80	2.5	SAND, strong brown, (7.5YR-5/8), coars intermixed fluvial gravel, loose to dense,	se sand , moist.			Screen (10 feet) -			Sand Pack
	10,2 6, 48, -	80	3.2	SAND, as above, w/ yellow band (10YR-	-7/8), moist.			Screen			

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Client CEHNC Bering I.D. SB-8 Geologist Bryan Burkingstock SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, coarse with subangular to rounded gravel, strong brown II.5787-90, wet. SAND, so above to -70.67, abrupt change to CLAY, with still at 27.578 (or 4" of only has subangular gravel embedded within, clay has stratunes of keetinite clay. Borling terminated at 71.57865.					<u> </u>	ING LOG AND WELL	00110111001				****			
Boring I.O. SB-B Geologist Bryan Burkingstock E.B. Same Same Same Same Same Same Same Same							Page 3 of 3							
Beologist Bryan Burkingstock Big	Site_1	<u>че</u>	mphis_	Dep	ot									
SAND, as above, wet. SAND, coarse with subangular to rounded gravel, strong brown (7.578-50), wet. SAND, as above, wet. SAND, coarse with subangular to rounded gravel, strong brown (7.578-50), wet. SAND, as above, wet.					Burkine	zetock	Well I.D. MW-56							
SS	Georg													
SS	1 {													
SS	P.T.							S			WELL DIA	SRAM		
SAND, as above, wet. 16,41, 80 e8. 8.11, 8.1, 9. 175 180 180 180 180 180 180 180 18		Щ	(6 II	ت ا	X =			131	GRAPHIC					
SAND, as above, wet. 16,41, 80 e8. 8.11, 8.1, 9. 175 180 180 180 180 180 180 180 18		울	MS/	ZE.	\$ €	LITHOLOGIC DESCRI	PTION							
18,42, 80 2.1 SAND, coarse with subangular to rounded gravel, strong brown (7.5YR-5/5), wet. 19,41, 80 98 8.11, 80 0 98 9 70.5, abrupt change to CLAY, with all at 70.5 top 4" of play has subangular gravel enbedded within, clay has at retions of keolinitic clay, white (10YR-9/1). Boring terminated at 71.5" BGS.		S	8		포			၂႘						
18.42, 80 2.1 SAND, carse with subangular to rounded gravel, strong brown (7.5YR-5/5), wet. SAND, as above to ~70.5', abruyt change to CLAY, with sit at 77.05' to 4" of tolay has subangular gravel embedded within, clay has strictions of kacilinitic clay, white (10YR-8/1). Borting terminated at 71.5' BGS.	85-	Ш										<u> </u>		
16,41, 80 0 86, - 80 0 8,11, 90 0 9, - 90 95 95 95 95 95 95 95	"	\boxtimes				SAND, as above, wet.		SW						
strong brown (7.5YR-5/8), wet. 18,41, 80 e8, - 8,11, 90 o 9, - 18,41, 80 e8, - 9, - 18,41, 80 e8, - 18,41,		M	18,42,	80	2.1	SAND coarse with subangular to re	ounded gravel.			! !	: 目 :	 ¥		
70		Δ	62, -		ļ	strong brown (7.5YR-5/6), wet.	3. 4 A				: : :	Pac		
70		Μ	16,41.	80	0	SAND as above to ~70.5' abrunt	change to CLAY.			_₩		and		
8.11. 80 0 white (10/19-87/). 80 0 8.11. 80 0 white (10/19-87/). 80 - 85 - 95 - 95 - 95 - 95 - 95 - 95 - 95	70	Μ	66, -	İ	ļ	I with sitt at 70.5' too 4" of clay has	s subanquiar gravel	!		Ţ		l		
80— 80— 90— 90— 905—	'0_	M	8.11.	80	0	embedded within, clay has striation	ns of kaolinitic clay,	딦			· · · ·	1		
75— 80— 85— 90— 95—		otag	9, -					+		l		<u>.v</u>		
80-]]					Boring terminated at 71.5 865.								
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