

Well Location Sketch:



MW03

BG-MW01

MW01



MW05

MW04

MW02



WSP, USA
4600 W. 60th Avenue

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: MW01		Project: Doris Ackerson B1	
Date: 4/16/22		Project Number: 31403177.33.05	
Logged By: FS F. D. Stainback		Drilled By: WSP, USA	
Drilling Method: Hand auger		Sampling Method: Continuous	
Gravel Pack: washed silica sand		Seal: bentonite crumbles	
Casing Type: PVC		Diameter: 1"	Length: 2'
Screen Type: PVC		Diameter: 1"	Length: 10'
Slot: 0.010		Hole Diameter: 3"	Depth to Liquid: -
		Total Depth: 12'	Depth to Water: 10.5'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0				0-1' surficial organics	
	Dry	0.0	No					CL	1-3' sandy clay, fg, light brown, no stain/odor, dry 0-1' moist @ 2', trace evaporites 1-2', low plasticity 0-2', med plasticity 2-3'	
		0.0			2					
		0.0			4				3-6' clay, medium to high plasticity, increasing moisture w/depth, tan-light brown, no stain/odor	
	more moist	0.1			6				6-7.5' clay w/trace fg sand, cream-tan colored, more moist, no stain/odor, med plasticity	
		0.0			8					
		0.0			10					
	Wet	0.0			12			CLS	7.5-9' clay w/mg-fg sands (trace), low-med plasticity, orangish cream colored, more moist, no stain/odor	
					14				9-10.5' clay, some above, med plasticity, no stain/odor	
					16				10.5-12' claystone, grey, wet @ 11.5', hard/dense, no stain/odor, iron mottles + trace mg sand laminations	
					18				TD @ 12', set w/ flushmount	

NOTES:

Page of

Well Location Sketch:



WSP, USA
4600 W. 60th Avenue

see MW01

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: MW02	Project: Doris Ackerson Bl
Date: 4/16/22	Project Number: 31403177.33.05
Logged By: F. Smith	Drilled By: WSP, USA
Elevation: 	Drilling Method: Hand auger
Detector: 	Sampling Method: Continuous
Gravel Pack: washed silica sand	Seal: bentonite crumbles
Casing Type: PVC	Diameter: 1"
Screen Type: PVC	Length: 2'
Slot: 0.010	Hole Diameter: 3"
Diameter: 1"	Depth to Liquid: -
Length: 10'	Depth to Water: 10.5'
Total Depth: 12'	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
	Dry	0.0	No						0-1.5' surficial organics not logged	
	slightly moist	0.0			2			CL	1.5-6' clay, trace fg sands, tan, slightly moist, no stain/odor, low-med plasticity	
		0.1			4				6-7' SAA, increasing moisture, no stain/odor observed	
	moist	0.1			6				7-9' clay, tan-off white, med plasticity, no stain/odor, more moist, dense	
		0.0			8				9-10.5' clay, med plasticity, no stain/odor, saturated FS	
	more moist	0.0			10				10.5-12' claystone, grey wet @ 11.5', very hard/dense, no stain/odor, iron mottling w/ trace mg sand laminations	
	wet	0.0			12			CLS	TD @ 12', set w/ flush mount	
		0.0			14					
					16					
					18					

NOTES:

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see MW01



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BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: MW03	Project: Doris Ackerson Bl
Date: 4/16/22	Project Number: 31403177.33.05
Logged By: D. Stainback	Drilled By: WSP, USA
Elevation: -	Drilling Method: Hand auger
Detector: -	Sampling Method: Continuous
Gravel Pack: washed silica sand	Seal: bentonite crumbles
Casing Type: PVC	Hole Diameter: 3"
Screen Type: PVC	Depth to Liquid: -
Slot: 0.010	Depth to Water: 10.5'
Diameter: 1"	Total Depth: 12'
Length: 2'	
Diameter: 1"	
Length: 10'	

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
	Dry	0.0	No						0-1.5' surficial organics not logged	
	Slightly moist				2			CL	1.5-5' clay, trace fg sands, light brwn, slightly moist, no stain/odor, med plasticity	
		0.0			4				5-7' SAA, more moist, no stain/odor observed	
	moist				6				7-9' clay, tan-cream, med plasticity, no stain/odor, more moist, very dense	
		0.0			8				9-10.5' clay, med plasticity, no stain/odor	
		0.1			10				10.5-12' claystone, grey wet @ 11.5', dense, no stain/odor, iron mottles + trace mg sand laminations	
	more moist				12			CLS	TD @ 12', set w/ flushmount	
		0.0			14					
	wet				16					
					18					

NOTES

Page of

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WSP, USA
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see MW01

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: MW04		Project: Doris Ackerson B1	
Date: 4/16/22		Project Number: 31403177.33.05	
Logged By: F. Smith		Drilled By: WSP, USA	
Elevation:	Detector:	Drilling Method: Hand auger	Sampling Method: Continuous
Gravel Pack: washed silica sand		Seal: bentonite crumbles	Grout:
Casing Type: PVC	Diameter: 1"	Length: 2'	Hole Diameter: 3"
Screen Type: PVC	Slot: 0.010	Diameter: 1"	Length: 10'
		Total Depth: 12'	Depth to Liquid: 10.5'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
	Dry slightly moist	0.0	No						0-1.5' surficial organics not logged	
		0.1			2			CL	1.5-6' clay, ^{trace} fine sands, light brown-tan, slightly moist, no stain/odor, low plasticity	
		0.1			4				6-7' SAA, moist, no stain/odor	
	moist	0.0			6				7-9' clay, off white, med plasticity, more moist, dense, no stain/odor	
		0.0			8				9-10.5' clay, med plasticity, more moist, no stain/odor	
	more moist	0.0			10				10.5-12' claystone, grey, saturated @ 11.5', hard, no stain/odor, some iron mottling w/ trace mg sand laminations	
	wet	0.0			12			CLS	TD @ 12', set w/ flushmount	
					14					
					16					
					18					

NOTES:

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WSP, USA
4600 W. 60th Avenue

see mw01

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW05		Project: Doris Ackerson Bl	
Date: 4/16/22		Project Number: 31403177.33.05	
Logged By: D. Stainback		Drilled By: WSP, USA	
Drilling Method: Hand auger		Sampling Method: Continuous	
Seal: bentonite crumbles		Grout: -	
Elevation:	Detector:	Hole Diameter: 3"	Depth to Liquid: -
Gravel Pack: washed silica sand		Diameter: 1"	Length: 2'
Casing Type: PVC		Diameter: 1"	Length: 10'
Screen Type: PVC		Slot: 0.010	Total Depth: 12'
			Depth to Water: 10.5'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0				0-1.5' surficial organics, not logged	
	Dry moist		No		2			CL	1.5-5' clay, trace fg sands, light brown, slightly moist, no stain/odor, med plasticity	
	moist				4				5-7' SAA, more moist, no stain/odor	
					6				7-9' clay, tan-cream, med plasticity, no stain/odor, more moist, very dense	
	more moist				8				9-10.5' clay, med plasticity, no stain/odor	
	wet				10				10.5-12 claystone, grey, wet @ 11.5', dense/hard, no stain/odor, iron mottles + trace mg band laminations	
					12			CLS	TD @ 12', set w/ flush mount	
					14					
					16					
					18					

NOTES:

Well Location Sketch:



WSP, USA
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BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring Well Number: BG-MW01		Project: Doris Ackerson Bl	
Date: 4/16/22		Project Number: 31403177.33.05	
Logged By: F. Smith		Drilled By: WSP, USA	
Drilling Method: Hand auger		Sampling Method: Continuous	
Seal: bentonite crumbles		Grout: -	
Elevation:	Detector:	Hole Diameter: 3"	Depth to Liquid: -
Gravel Pack: washed silica sand		Total Depth: 9'	
Casing Type: PVC	Diameter: 1"	Length: 2'	Depth to Water: 7.5'
Screen Type: PVC	Slot: 0.010	Diameter: 1"	Length: 7'

Penetration Resistance	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	Well Completion Diagram
					0					
	Dry slightly moist	0.2	No						0-1.5' surficial organics not logged	
		0.0			2			CL	1.5-5' clay, brwn, low plasticity, moist, no stain/odor, some fg sand, trace evaporites	
	moist	0.0			4					
		0.0								
		0.1			6				5-6' clay, tan, more moist, med plasticity, no stain/odor	
	more moist	0.0								
		0.1			8			CLS	6-7.5' clay, off white, med plasticity, trace fg sand, no stain/odor	
	wet	0.0								
		0.0			10				7.5-9' claystone, grey, saturated @ 8', dense, no stain/odor, some mottling w/ trace mg sand laminations	
					12					
					14				TD @ 9', set w/ flushmount	
					16					
					18					

NOTES: