

Date: 4-14-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8 DEBT

Name: ABD KORZIN

Sample Depth (ft)	Drilling Rate (ft/hr)	Color: Munsell Name and Class	Moisture Content	Particle % Dist.		Grain Size	Grain Size	Sorting	Grain Shape	Plasticity	Cementation	Mineral Composition	Rock Type (USCS Group)	Comment		
Dry	Moist		Saturated	Cobbles	Gravel	Sand	Fines	Sand	Gravel							
Silt	Clay		Fine	Medium	Coarse	Fine	Coarse	Max	Well	Medium	Poor	Angular	Sub-Angular	Sub-Rounded		
												None	Low	Medium	High	
												Weak	None	Moderate	Strong	
												Quartz	Feldspar	Mica	Amphibole	Evaporites
												Other	Well Graded	Fat Clay	Alteration Visible	Grading Analysis

Drilling Contractor:

Sampling Method:

Descriptive Location:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

GEOSCIENCE, Support Services, Inc.

Date: 4/14/2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: Azad Khalighi

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4/14/15

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW - 8D

Name: AYAD KHALIGHI

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

GEOSCIENCE, Support Services, Inc.

Date: 4-15-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: Azad Khalighi

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4-15-15

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: AZAD KHANIGAR

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4-16-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: ARAD KHALIGHI

Sample Depth (ft)	Drilling Rate (ft/hr)	Color: Munsell Name and Class	Moisture Content	Particle % Dist.		Grain Size	Grain Size	Sorting	Grain Shape	Plasticity	Cementation	Mineral Composition				Rock Type (USCS Group)	Comment
				Fines	Sand							Angular	Sub-Angular	Sub-Rounded	Rounded	None	Low
				Cobbles	Gravel	Sand	Silt	Clay	Fine	Coarse	Max	Well	Medium	Poor	Evaporites	Quartz	Feldspar

115		2.5 4/3 OLIVE Brown	X X	X	X				X							X	X X	X X			SP	Brown / SAND
116																						
116		10YR 5/3 Brown		X X S	X 10	25			X X	X X X X X			X			X	X X	X X			SP	SAND w/ GRAVEL & TRAC COBBLE/BOULDERS. - MONTAN SHAFT BOULDER FACTURED BY CORAL SUBANG/SURANG SAND
138		2.5Y 6/3 LIGHT YELLOW Brown	X																			
138																						
140.5		10YR 4/2 DARK GRAYISH Brown	X X	X 10	5 95				X	X X			X			X X X X		X CH	CL	SP	SAND w/ GRAVEL Tracery	
141.5																						
141.5		2.5(2)4/3 HOT YELLOW Brown	X	X 5	5 55				X	X			X			X X X X				CL/CH	GRANULAR CLAY w/ SAND BSILT - SED/GENESED GRAVEL & COB INCLUDES MONTAN SAND	
142.5																						

Drilling Contractor:

Drilling Rig Type:

Drilling Method:

Sampling Method:

Descriptive Location:

Date: 4/16/15

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: Azad Khalighi

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4-16-15

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW - 8 Depth

Name: ARAF KHAN

Drilling Contractor:

Drilling Rig Type:

Drilling Method:

Sampling Method:

Descriptive Location:

Date: 4-17-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8 Dope

Name: Arad Kharghi

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

GEOSCIENCE, Support Services, Inc.

Date: 4-17-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8 DEEP

Name: AZAD KHAN

Drilling Contractor:

Drilling Rig Type:

Drilling Method:

Sampling Method:

Descriptive Location:

Date: 4-18-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8 DEEP

Name: AZAD KHALIQI

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4-18-15

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name:

MW-8D

Name:

AZAD KHALID/H

Sample Depth (ft)	Drilling Rate (ft/hr)	Color: Munsell Name and Class	Moisture Content	Particle % Dist.			Grain Size	Grain Size	Sorting	Grain Shape	Plasticity	Cementation	Mineral Composition				Rock Type (USCS Group)	Comment	
				Fines	Sand	Gravel							Mineral Composition	Quartz	Feldspar	Mica	Amphibole	Evaporites	
				Dry	Moist	Saturated	Cobbles	Angular	Sub-Angular	Sub-Rounded	Rounded	None	Weak	Moderate	Strong	Other	Other		
295		2.5Y 5/3 LIGHT OLIVE BROWN		X	X														

295		2.5Y 5/3 LIGHT OLIVE BROWN		X															CL
296		2.5Y 5/1 GRAY			X		15/5												SILTY CLAY w/ TRACE F. SAND - & DORS
296		2.5Y 5/1 GRAY				X													SAND w/ GRAVEL - RND GRAN - MONSTY SAND
312		2.5Y 5/1 GRAY																	GRANULOCY SAND w/ COBBL - MONSTY SAND - some CLAMS OR CLAY
314		2.5Y 5/3 LIGHT OLIVE BROWN			X		55 65											SL-GP	
314		2.5Y 5/3 LIGHT OLIVE BROWN				X													GRANULOCY / EBBEDGY / SANDY CLAY - MONSTY SAND
315.5		2.5Y 5/1 GRAY					10/10	70	X X	X X	X X	X X	X X	X X	X X	X X	X X	CH	
315.5		2.5Y 5/1 GRAY					10/10	60	X X	X X	X X	X X	X X	X X	X X	X X	X X	GRANULOCY SAND w/ COBBL S - MONSTY SAND	
316		2.5Y 5/1 GRAY																SP-GP	- GRANULOCY SAND w/ COBBL S - MONSTY SAND

Drilling Contractor:

Drilling Rig Type:

Drilling Method:

Sampling Method:

Descriptive Location:

Date: 4-19-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: MW-8D

Name: Azad Khalighi

Sample Depth (ft)	Drilling Rate (ft/hr)	Color: Munsell Name and Class	Moisture Content			Particle % Dist.		Grain Size	Grain Size	Sorting	Grain Shape	Plasticity	Cementation	Mineral Composition	Rock Type (USCS Group)	Comment
			Dry	Moist	Saturated	Cobbles	Gravel	Sand	Fines	Sand	Gravel					
			Silt	Clay	Fine	Medium	Coarse	Fine	Coarse	Max	Well	Medium	Poor			
310		25Y5/3 Gray		X					X							
325					X				X							
335		10Y25/8 Yellowish Brown		X					X							
330						100		X								
330		10YR 4/4 Dark Yellowish Brown														
332.5		25Y5/3 Gray				100		X								
343																
343		2.5Y4/4 OLIVE Brown														
351																

310	25Y5/3 Gray	X							X								
325			X	X	X				X								
335	10Y25/8 Yellowish Brown	X							X								
330	10YR 4/4 Dark Yellowish Brown					100		X									
330	10YR 4/4 Dark Yellowish Brown																
332.5	25Y5/3 Gray					50		X									
343																	
343	2.5Y4/4 OLIVE Brown																
351																	

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method:

Date: 4-19-2015

BOREHOLE LITHOLOGICAL LOG

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Well Number/Name: NW-8 Dose

Name: ABD KHALIGHI

Sample Depth (ft)	Drilling Rate (ft/hr)	Color: Munsell Name and Class	Moisture Content		Particle % Dist.		Grain Size		Grain Size		Sorting	Grain Shape	Plasticity	Cementation	Mineral Composition	Rock Type (USCS Group)	Comment
			Dry	Moist	Saturated	Cobbles	Gravel	Sand	Fines	Sand							
351	2.5Y 5/3	Light OLIVE Brown	X		5	X 15	X 10	X 20	X 6	X 4			X X	X X	X X	CH	GRAVELY / SANDY CLAY w/ COBBLES - MONTG SHALT. - HIGH DENSITY
353	2.5Y 5/3	Light OLIVE Brown															CLAY
357	2.5Y 4/1	Dark Gray			6	10	70	05									CH
359	2.5Y 5/3	Light OLIVE Brown			X 15	X 20	X 10	X 20	X 10	X 10			X X	X X	SP	SAND w/ SILT & GRAVEL Terra Cotta & COBBLES - Montg Shalt.	
360					X 15	X 20	X 10	X 20	X 10	X 10						CH	CLAY w/ GRAVEL & COBBLES - High Density - Montg Shalt

Drilling Contractor:

Sampling Method:

Drilling Rig Type:

Descriptive Location:

Drilling Method: