







































































<b>Northpark Engineering and Consulting, Inc.</b> P.O. Box 395 Walden, Colorado 80480 970-723-3725				<h1 style="margin: 0;">BORING LOG</h1>			<h2 style="margin: 0;">P-1</h2>			PAGE 1 OF 1		
PROJECT: Hayden Soil Eval				NUMBER: Dry Ck UT HD31			DATE: 12/09/13					
LOGGED BY: Will Huskie				CHECKED BY: Randall Miller			NORTHING: 100070.46					
DRILLING COMPANY: Drilling Engineers				BORING DEPTH (FT): 18.5			EASTING: 100010.339					
DRILLING EQUIPMENT: Georobe 7822 DT				TOP OF CASING: 6500.322			SURVEY BASIS: NAVD 83					
BACKFILL MATERIAL: Bentonite												

DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0	Silty Clay, dry, brn			CL					
2	Fat clay, high plastic			CH					
4					0	70			
6									
8	Silty Clay, dry, brn			CL					
10					0				PID Not Working below 10 feet
12									
14	Coarse poorly sorted sandy gravel			GP					
16									
18	Silty Clay, dry, brn			CL					
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									
									






PID failed for this hole due to cold battery

### LITHOLOGIC SYMBOLS

	Well Graded Sand (SW)		Sandy Gravels (GW/GP)
	Poorly Graded Sand (SP)		Silty Clay (ML/CL)
	Silty Sand (SM)		Silt (ML)
	Clayey Sand (SC)		Clay (CL/CH)

### WELL CONSTRUCTION DETAILS

Well Diameter: 3.25  
 Casing Material: Native  
 Screen Material: None  
 Slot Size: NA  
 Filter Pack: NA  
 Initial Groundwater:  NA  
 Final Groundwater:  NA

	Sand Filter Pack
	Hydrated Bentonite
	Grout
	Concrete
	Native

<div>Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725</div>			<div>BORING LOG</div>			<div>P-2</div> <div>PAGE 1 OF 1</div>			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/09/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 100050.1			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 18			EASTING: 100014.567			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6499.824			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0									
2									
4	Silty Clay, dry, bm			CL					
6									Hydrocarbon odor
8	Fat clay, high plastic, bm			CH	51		✕	P2 7.5-9	
10					70				
12	Silty Clay, dry, bm			CL	3				
14	Coasre poorly sorted sandy gravel			GP	100				Gravel looks like asphalt
16	Silty Clay, dry, bm			CL	0.1				
18					0.1		✕	P2 17-18	
0									
<div><div><div>LITHOLOGIC SYMBOLS</div><div><div> Well Graded Sand (SW)</div><div> Poorly Graded Sand (SP)</div><div> Silty Sand (SM)</div><div> Clayey Sand (SC)</div><div> Sandy Gravels (GW/GP)</div><div> Silty Clay (ML/CL)</div><div> Silt (ML)</div><div> Clay (CL/CH)</div></div><div><div>WELL CONSTRUCTION DETAILS</div><div>Well Diameter: 3.25</div><div>Casing Material: Native</div><div>Screen Material: None</div><div>Slot Size: NA</div><div>Filter Pack: NA</div><div>Initial Groundwater:  NA</div><div>Final Groundwater:  NA</div></div><div><div> Sand Filter Pack</div><div> Hydrated Bentonite</div><div> Grout</div><div> Concrete</div><div> Native</div></div></div></div>									

Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725			BORING LOG			P-3 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/09/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 100056.851			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: 99992.725			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6500.166			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0									
2	Silty Clay, dry			CL					Chalky white in silt
4									
6	Fat clay, high plastic			CH					Clay increases 6 to 10
8									
10	Silty Clay, dry, bm			CL					
12									
14	Coasre poorly sorted sandy gravel			GP			✕	P3 13-14	
16									
18	PID battery not working								

Well Graded Sand (SW)

Poorly Graded Sand (SP)

Silty Sand (SM)

Clayey Sand (SC)

Sandy Gravels (GW/GP)

Silty Clay (ML/CL)

Silt (ML)

Clay (CL/CH)

WELL CONSTRUCTION DETAILS

Well Diameter: 3.25

Casing Material: Native

Screen Material: None

Slot Size: NA

Filter Pack: NA

Initial Groundwater: ▼ NA

Final Groundwater: ▼ NA

Sand Filter Pack

Hydrated Bentonite

Grout

Concrete

Native

PROJECT: Hayden Soil Eval

NUMBER: Dry Ck UT HD31

DATE: 12/10/13

LOGGED BY: Will Huskie

CHECKED BY: Randall Miller

NORTHING: 100051.09

DRILLING COMPANY: Drilling Engineers

BORING DEPTH (FT): 15

EASTING: 99982.62

DRILLING EQUIPMENT: Georobe 7822 DT

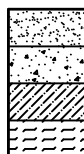
TOP OF CASING:6499.932

BACKFILL MATERIAL: Bentonite

SURVEY BASIS: NAVD 83

DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE		COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	
0								
2								
4	Silty Clay, dry, platy			CL	0	70		
6							✕	P4 6-7
8								Chalky white
10	Fat clay, high plastic			CH	0			
12								
14	Coarse poorly sorted sandy gravel w/ pebbles			CL			✕	P4 13-15
16					0			Orange and black in gravel. 1/2 inch pebbles
18	No PID detections							

## LITHOLOGIC SYMBOLS

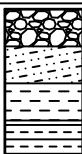


Well Graded Sand (SW)

### Poorly Graded Sand (SP)

Silty Sand (SM)

Clayey Sand (SC)



Sandy Gravels (GW/GP)

Silty Clay (ML/CL)

Silt (ML)

Clay (CL/CH)

## WELL CONSTRUCTION DETAILS

Well Diameter: 3.25

Casing Material: Native

Screen Material: None

Slot Size: NA

Filter Pack: NA

Initial Groundwater:  $\nabla$  NAFinal Groundwater:  NA

Sand Filter Pack

Hydrated Bentonite

Grout

Concrete

Native

PROJECT: Hayden Soil Eval

NUMBER: Dry Ck UT HD31

DATE: 12/10/13

LOGGED BY: Will Huskie

CHECKED BY: Randall Miller

NORTHING: 100096.279

DRILLING COMPANY: Drilling Engineers

BORING DEPTH (FT): 15

EASTING: 99998.979

DRILLING EQUIPMENT: Georobe 7822 DT

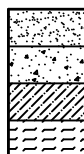
TOP OF CASING:6499.347

BACKFILL MATERIAL: Bentonite

SURVEY BASIS: NAVD 83

DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0	Top soil and gravel			GP	0	80		P5 9-10	Orange staining in coarse materials
2				CH	0				
4	Silty clay with partings			CH	0				
6				CL	0				
8	Clay with slity clay			CL	0				
10				CL	0				
12	Fat clay			CL	0				
14	Silt to small gravel			GP	0				
16	Sity clay			CH	0				
18	No PID detections								

## LITHOLOGIC SYMBOLS

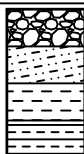


Well Graded Sand (SW)

Poorly Graded Sand (SP)

Silty Sand (SM)

Clayey Sand (SC)



Sandy Gravels (GW/GP)

Silty Clay (ML/CL)

Silt (ML)

Clay (CL/CH)

## WELL CONSTRUCTION DETAILS

Well Diameter: 3.25

Casing Material: Native

Screen Material: None  
Slot Size: NA

Slot Size: NA  
Filter Pack: NA

Filter Pack: NA  
Groundwater:  $\nabla$  NA

Initial Groundwater:  $\nabla$  NAFinal Groundwater:  NA

Sand Filter Pack

Hydrated Bentonite

Grout

Concrete

Native

<div>Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725</div>				<div>BORING LOG</div>				<div>P-6</div> <div>PAGE 1 OF 1</div>			
PROJECT: Hayden Soil Eval				NUMBER: Dry Ck UT HD31				DATE: 12/10/13			
LOGGED BY: Will Huskie				CHECKED BY: Randall Miller				NORTHING: 100047.997			
DRILLING COMPANY: Drilling Engineers				BORING DEPTH (FT): 15				EASTING: 99965.108			
DRILLING EQUIPMENT: Georobe 7822 DT								TOP OF CASING: 6500.07			
BACKFILL MATERIAL: Bentonite								SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS		
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID			
0	Stiff clay			CL	0				White partings in silt		
2											
4	Silty clay with partings			CH	0	80	✕	P6 4-5			
6											
8											
10	Fat Clay			CL	0						
12											
14	Silty clay w/ pebbles			CH			✕	P6 14-15	Orange staining in coarse materials		
16					0						
18	No PID Detections										

LITHOLOGIC SYMBOLS

Well Graded Sand (SW)Poorly Graded Sand (SP)Silty Sand (SM)Clayey Sand (SC)Sandy Gravels (GW/GP)Silty Clay (ML/CL)Silt (ML)Clay (CL/CH)

WELL CONSTRUCTION DETAILS

Well Diameter: 3.25  
Casing Material: Native  
Screen Material: None  
Slot Size: NA  
Filter Pack: NA  
Initial Groundwater: NA  
Final Groundwater: NA

Sand Filter PackHydrated BentoniteGroutConcreteNative

Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725			BORING LOG			P-7 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/10/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 100037.109			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: 100124.752			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6497.373			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0	Stiff clay			CL	2.6				
2					5.8		P7 1-2		Hydrocarbon odor in clay
4					50				
6					1.6				
8	Silty clay			CH					
10					50		P7 9-10		
12									
14	Coarse material			GP					
16					50				Orange staining
18	Location moved from initial plan, per regulator, to lowest area east of tank								
<div><div><div>LITHOLOGIC SYMBOLS</div><div><div> Well Graded Sand (SW)</div><div> Poorly Graded Sand (SP)</div><div> Silty Sand (SM)</div><div> Clayey Sand (SC)</div><div> Sandy Gravels (GW/GP)</div><div> Silty Clay (ML/CL)</div><div> Silt (ML)</div><div> Clay (CL/CH)</div></div><div><div>WELL CONSTRUCTION DETAILS</div><div>Well Diameter: 3.25</div><div>Casing Material: Native</div><div>Screen Material: None</div><div>Slot Size: NA</div><div>Filter Pack: NA</div><div>Initial Groundwater:  NA</div><div>Final Groundwater:  NA</div></div><div><div> Sand Filter Pack</div><div> Hydrated Bentonite</div><div> Grout</div><div> Concrete</div><div> Native</div></div></div></div>									

Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725			BORING LOG			P-8 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/10/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 100060.622			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: 100143.102			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6498.304			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0	Top soil, pebbles, silt			GP	0				
2									
4									
6	Clay and silty clay			CH	0				Orange staining
8									
10					0				
12									
14	Fat Clay			CL				P8 13-14	Sample fat clay
16	Gravel and silt			GP	0				Orange staining
18	No PID detections								

Well Graded Sand (SW)

Poorly Graded Sand (SP)

Silty Sand (SM)

Clayey Sand (SC)

Sandy Gravels (GW/GP)

Silty Clay (ML/CL)

Silt (ML)

Clay (CL/CH)

Well Diameter: 3.25

Casing Material: Native

Screen Material: None

Slot Size: NA

Filter Pack: NA

Initial Groundwater: NA

Final Groundwater: NA

Sand Filter Pack

Hydrated Bentonite

Grout

Concrete

Native



Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725				BORING LOG				P-9 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval				NUMBER: Dry Ck UT HD31				DATE: 12/10/13			
LOGGED BY: Will Huskie				CHECKED BY: Randall Miller				NORTHING: 100049.856			
DRILLING COMPANY: Drilling Engineers				BORING DEPTH (FT): 15				EASTING: 100136.125			
DRILLING EQUIPMENT: Georobe 7822 DT								TOP OF CASING: 6497.676			
BACKFILL MATERIAL: Bentonite								SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS		
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID			
0											
2					0	80	✕	P9 2-3	Orange staining		
4					0						
6	Clay and silty stiff clay			CL							
8				CL							
10					0				Soft sticky clay		
12					50	✕	P9 12-13				
14	Poorly sorted gravel			GP					Rocks up to 1 inch Orange staining		
16					0						
18	No PID detections										
<div><div><div>LITHOLOGIC SYMBOLS</div><div><div></div><div>Well Graded Sand (SW)</div></div><div><div></div><div>Poorly Graded Sand (SP)</div></div><div><div></div><div>Silty Sand (SM)</div></div><div><div></div><div>Clayey Sand (SC)</div></div><div><div></div><div>Sandy Gravels (GW/GP)</div></div><div><div></div><div>Silty Clay (ML/CL)</div></div><div><div></div><div>Silt (ML)</div></div><div><div></div><div>Clay (CL/CH)</div></div></div><div><div><div>WELL CONSTRUCTION DETAILS</div><div>Well Diameter: 3.25</div><div>Casing Material: Native</div><div>Screen Material: None</div><div>Slot Size: NA</div><div>Filter Pack: NA</div><div>Initial Groundwater: ▼ NA</div><div>Final Groundwater: ▼ NA</div></div><div><div></div><div>Sand Filter Pack</div><div></div><div>Hydrated Bentonite</div><div></div><div>Grout</div><div></div><div>Concrete</div><div></div><div>Native</div></div></div></div>											

Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725			BORING LOG			P-10 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/10/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: northing			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: easting			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: TOPOFCASING			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0					0				
2					50				
4	Silty Clay			CH	0				
6					0				Orange staining
8									
10	Soft clay			CL	0				
12									
14	Stiff dry clay			CL			✕	P10 13-14	Organic smell in clay
16					0				
18	No PID detections								
LITHOLOGIC SYMBOLS					WELL CONSTRUCTION DETAILS				
	Well Graded Sand (SW)		Sandy Gravels (GW/GP)	Well Diameter:	3.25		Sand Filter Pack		
	Poorly Graded Sand (SP)		Silty Clay (ML/CL)	Casing Material:	Native		Hydrated Bentonite		
	Silty Sand (SM)		Silt (ML)	Screen Material:	None		Grout		
	Clayey Sand (SC)		Clay (CL/CH)	Slot Size:	NA		Concrete		
				Filter Pack:	NA		Native		
				Initial Groundwater:	▼ NA				
				Final Groundwater:	▼ NA				

PROJECT: Hayden Soil Eval

NUMBER: Dry Ck UT HD31

DATE: 12/10/13

LOGGED BY: Will Huskie

CHECKED BY: Randall Miller

NORTHING: 100081.182

DRILLING COMPANY: Drilling Engineers

BORING DEPTH (FT): 15

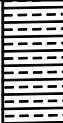

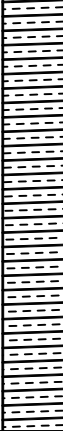

EASTING: 100151.548

DRILLING EQUIPMENT: Georobe 7822 DT

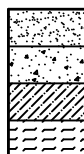
TOP OF CASING:6498.476

BACKFILL MATERIAL: Bentonite

SURVEY BASIS: NAVD 83

DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0									
0	Clay and silty clay			CL	0				
2					80	✕	P11	2-3	
4					0				
6					50				
8	Clay w/ Claystone frags			CL	0				Claystone frags
10					0				
12									
14						✕	P11	13-14	
16					0				
18	No PID detections. Claystone and fine grain sandstone fragments throughout profile								

## LITHOLOGIC SYMBOLS

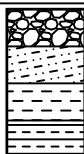


Well Graded Sand (SW)

### Poorly Graded Sand (SP)

Silty Sand (SM)

Clayey Sand (SC)



Sandy Gravels (GW/GP)

Silty Clay (ML/CL)

Silt (ML)

Clay (CL/CH)

## WELL CONSTRUCTION DETAILS

Well Diameter: 3.25

Casing Material: Native

Screen Material: None

Slot Size: NA

Filter Pack: NA

Initial Groundwater:  $\nabla$  NA

Final Groundwater:  NA



Sand Filter Pack

Hydrated Bentonite

Grout

Concrete

Native

Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725			BORING LOG			P-12 PAGE 1 OF 1			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/10/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 100031.117			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: 100097.087			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6498.793			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0					0				
2									
4					0		✕	P12 4-5	Orange stain in clay
6	Silty Clay			CH					
8									
10					0				
12	Clay with pebbles			CL					Orange clay with pebbles
14	Clay, stiff blue-gray			CL					
16					0				
18	No PID detections								
LITHOLOGIC SYMBOLS					WELL CONSTRUCTION DETAILS				
	Well Graded Sand (SW)		Sandy Gravels (GW/GP)	Well Diameter:	3.25		Sand Filter Pack		
	Poorly Graded Sand (SP)		Silty Clay (ML/CL)	Casing Material:	Native		Hydrated Bentonite		
	Silty Sand (SM)		Silt (ML)	Screen Material:	None		Grout		
	Clayey Sand (SC)		Clay (CL/CH)	Slot Size:	NA		Concrete		
				Filter Pack:	NA		Native		
				Initial Groundwater:	▼ NA				
				Final Groundwater:	▼ NA				

<div>Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725</div>			<div>BORING LOG</div>			<div>P-13</div> <div>PAGE 1 OF 1</div>			
PROJECT: Hayden Soil Eval			NUMBER: Dry Ck UT HD31			DATE: 12/10/13			
LOGGED BY: Will Huskie			CHECKED BY: Randall Miller			NORTHING: 99986.764			
DRILLING COMPANY: Drilling Engineers			BORING DEPTH (FT): 15			EASTING: 100139.731			
DRILLING EQUIPMENT: Georobe 7822 DT						TOP OF CASING: 6496.38			
BACKFILL MATERIAL: Bentonite						SURVEY BASIS: NAVD 83			
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0									
2									
4									
6	Silty Clay			CH	0	60			
8									
10					0	60			
12						70			
14	Fat clay			CL					
16					0			P13 14-15	
18	No PID detections								
<div><div><div>LITHOLOGIC SYMBOLS</div><div><div><div>Well Graded Sand (SW)</div><div>Poorly Graded Sand (SP)</div><div>Silty Sand (SM)</div><div>Clayey Sand (SC)</div></div><div><div>Sandy Gravels (GW/GP)</div><div>Silty Clay (ML/CL)</div><div>Silt (ML)</div><div>Clay (CL/CH)</div></div></div><div><div>WELL CONSTRUCTION DETAILS</div><div><div>Well Diameter: 3.25</div><div>Casing Material: Native</div><div>Screen Material: None</div><div>Slot Size: NA</div><div>Filter Pack: NA</div><div>Initial Groundwater: NA</div><div>Final Groundwater: NA</div></div><div><div>Sand Filter Pack</div><div>Hydrated Bentonite</div><div>Grout</div><div>Concrete</div><div>Native</div></div></div></div></div>									

<div>Northpark Engineering and Consulting, Inc. P.O. Box 395 Walden, Colorado 80480 970-723-3725</div>				<div>BORING LOG</div>			<div>P-14</div> <div>PAGE 1 OF 1</div>		
PROJECT: Hayden Soil Eval				NUMBER: Dry Ck UT HD31			DATE: 12/10/13		
LOGGED BY: Will Huskie				CHECKED BY: Randall Miller			NORTHING: 100089.854		
DRILLING COMPANY: Drilling Engineers				BORING DEPTH (FT): 15			EASTING: 100173.776		
DRILLING EQUIPMENT: Georobe 7822 DT							TOP OF CASING: 6497.942		
BACKFILL MATERIAL: Bentonite							SURVEY BASIS: NAVD 83		
DEPTH (FT)	LITHOLOGY		WELL CONSTRUCTION	Geol. Symbol	PID READING (PPM)	SAMPLE			COMMENTS
	DESCRIPTION	GRAPHIC				RECOVERY %	TYPE	SAMPLE ID	
0					0				
2							✕	P14 2-3	
4					0				
6									
8	Silty Clay			CH					
10					0				
12									
14							✕	P14 13-14	Orange stain in clay with rock chips
16					0				
18	No PID detections								
<div><div><div>LITHOLOGIC SYMBOLS</div><div><div> Well Graded Sand (SW)</div><div> Poorly Graded Sand (SP)</div><div> Silty Sand (SM)</div><div> Clayey Sand (SC)</div><div> Sandy Gravels (GW/GP)</div><div> Silty Clay (ML/CL)</div><div> Silt (ML)</div><div> Clay (CL/CH)</div></div><div><div>WELL CONSTRUCTION DETAILS</div><div><div>Well Diameter: 3.25</div><div>Casing Material: Native</div><div>Screen Material: None</div><div>Slot Size: NA</div><div>Filter Pack: NA</div><div>Initial Groundwater:  NA</div><div>Final Groundwater:  NA</div></div><div><div> Sand Filter Pack</div><div> Hydrated Bentonite</div><div> Grout</div><div> Concrete</div><div> Native</div></div></div></div></div>									