SITE CHARACTERIZATION AND REMEDIATION WORK PLAN

SC-1-13-1
Eddy County, New Mexico

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Table of Contents

1. INTRODUCTION 1
2. SITE BACKGROUND AND CHARACTERIZATION 1
3. REMEDIATION WORK PLAN 3

Tables

1 Soil Sample Analytical Results Summary Table

Figures

1 Site Location Map
2 Site Map with Soil Boring Locations and Anticipated Soil Excavation Extent

Appendices

A Soil Boring Logs
B Laboratory Analytical Reports

1. INTRODUCTION

Tasman Geosciences, Inc. (Tasman) has prepared this Site Characterization and Remediation Work Plan (SCRWP) on behalf of DCP Midstream, LP (DCP) to document the results of field activities that were conducted to characterize subsurface soil conditions at the SC-1-13-1 (Site) located in Eddy County, New Mexico (Figure 1). The Site characterization activities discussed herein were completed on March 13 and 14, 2017 and recommendations for the Site have been included.

2. SITE BACKGROUND AND CHARACTERIZATION

The Site is located in New Mexico Oil Conservation Division (OCD) District 2 within the southeast quarter of the southwest quarter of section 28, township 24 south, range 26 east of the Sixth Principal Meridian (Figure 1). The facility coordinates are 32.181699 degrees north and -104.300696 degrees west. The Site is located north of Creosote Road in a rural area surrounded by privately owned land and the nearest town of Carlsbad, New Mexico, is located approximately 14 miles north of the Site.

Subsequent to surfacing of condensate material from an apparent subsurface leak, DCP mobilized to the Site and removed visually impacted soil and located and repaired the line leak. Backfilling of the excavation was conducted and the line was activated. In accordance with the New Mexico Oil and Gas Conservation Commission (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (*GRLSR*), DCP submitted a C-141 Release Notification and Corrective Action Form for the Site.

On March 13, 2017, approximately 48 cubic yards (yd^3) of stockpiled soil was removed from the Site and transported under waste manifest procedures to the Lea Land Disposal facility in Eddy County, New Mexico. Between March 13 and 14, 2017, drilling and soil sampling activities were conducted using direct push drilling with continuous core sampling methods. Major soil types were identified using the Unified Soil Classification System (USCS) and secondary characteristics such as grain size distribution, moisture content, density/plasticity, and visual/olfactory impacts were noted during borehole logging and soil sampling activities. Soil boring logs are included in Appendix A and the borehole global positioning system (GPS) coordinate locations were collected and are illustrated on Figure 2. Based on drilling and soil sampling, the Site subsurface typically consists of fine sand, silt, and clays with some gravel and caliche deposits. Groundwater was not encountered within any of the soil borings that were conducted.

During direct push drilling activities, a one quart zip-lock bag was filled half full with an aliquot of soil from the boring. Traditional headspace sampling techniques approved by the NMOCD were applied and the samples were analyzed in the field for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Soil samples were collected from the locations illustrated on Figure 2 and were appropriately packaged and submitted under chain of custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico for analysis of BTEX using USEPA Method 8021B and total petroleum hydrocarbons gasoline range organics (TPH-GRO) and TPH diesel range organics (DRO) using USEPA Method 8015. Additionally, four samples from the area of disturbance (AOD) illustrated on Figure 2 and

one “background” sample from outside of the AOD were submitted to Cardinal for chloride analysis using USEPA Method SM 4500CL-B.

Soil impacts exceeding the NMOCD Action Levels for TPH were confirmed by PID readings and laboratory analysis at five soil boring locations (BH01, BH02, BH13, BH14, and BH17) between zero and five feet below ground surface (bgs). Soil samples at each of those five locations were collected below the 5-foot interval and were returned below the NMOCD Action Levels indicating that the vertical extents of petroleum hydrocarbon impacts were delineated. Soil samples from the remaining 12 AOD soil boring locations (BH03 through BH12, BH15, and BH16) were all returned below the NMOCD Action Levels for TPH. Additionally, laboratory analytical results for BTEX were not above the NMOCD Action Levels at any of the soil boring locations.

Chlorides were observed above the NMOCD guideline of 250 milligrams per kilogram within soil sample BH01@0-5’ with a detected concentration of 1,410 milligrams per kilogram (mg/kg). The remaining AOD chloride samples BH03@05’ (192 mg/kg), BH05@05’ (128 mg/kg), and BH16@0-5’ (192 mg/kg) were below the NMOCD guideline. However, as described above, one additional soil boring outside of the AOD as illustrated on Figure 2 was advance to 16 feet bgs. A chloride soil sample was collected from the soil boring (BH18@14-16’) to act as a background comparison sample and the laboratory analytical result was above the NMOCD guideline with a detected concentration of 288 mg/kg. The soil sample laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix B.

To assess the potential for impact to human, environmental, and cultural receptors, aerial photographs and online directories were consulted and a visual reconnaissance of the surrounding area was conducted. During the initial Site assessment, it was determined that no permitted water wells are located within a one-mile radius of the Site. Based on visual observations and a review of aerial photographs, the Site is not located within 1,000 feet of any known or labeled surface water bodies and surface water generally follows the Site topography to the north towards an unnamed intermittent riverine flood plain. Additionally, no permanent structures including habitable public and/or private buildings or residences (not related to oil and gas production activities) are located within a one-mile radius of the Site.

In accordance with Section IV of the *GRLSR*, soils which are contaminated by petroleum constituents are scored according to the ranking criteria summarized below to determine their relative threat to public health, fresh waters, and the environment. Based on the ranking criteria outlined in the GRLSR, the soil action levels for the Site include:

- Benzene - 10 milligrams per kilogram (mg/kg).
- Total BTEX – 50 mg/kg; and,
- Total Petroleum Hydrocarbons (TPH) – 100 mg/kg.

3. REMEDIATION WORK PLAN

Physical and laboratory analysis confirm that soil impacts exceeding the NMOCD Cleanup Goals for TPH and Chlorides were exceeded at the Site. As summarized on Table 1, TPH exceedances were observed between zero to 5-feet bgs in the vicinity of BH01, BH02, BH13, BH14, and BH17. However, the vertical extents of petroleum hydrocarbon impacts were confirmed through laboratory analysis and PID readings that were collected at those locations. Chlorides were observed above the NMOCD guideline of 250 mg/kg within borehole BH01 as well as the background sample at BH18. Based on the information that has been gathered through the field activities described herein and the estimated extent of TPH impacted soils, approximately 120 cubic yards (cy) of petroleum hydrocarbon impacted material is present at the Site.

Groundwater was not encountered during any of the field activities described herein. Additionally, based on the soil sample laboratory analytical data and PID readings that were collected, the vertical extents of petroleum hydrocarbon impacted soil have been delineated and do not extend to the static groundwater interval below the Site.

Due to the relatively small amount of petroleum hydrocarbon impacted soil as well as the location and lateral and vertical extents of the soil impacts, mechanical excavation and subsequent disposal at an approved facility has been chosen as the preferred remedial alternative for this Site. The anticipated extent of the impacted soil excavation area is illustrated on Figure 2. Excavated soil will be transported under manifesting procedures to the Lea Land Inc. Landfill in Eddy County, NM. Soil samples from the excavation sidewalls and base will be collected and field screened using PID headspace sampling techniques to verify that impacted soil is completely removed. Soil samples will be submitted to Cardinal for laboratory analysis of TPH-GRO/DRO using USEPA Method 8015. Additionally, soil samples that are collected from the base of the excavation will be submitted to Cardinal for laboratory analysis of Chlorides using USEPA Method SM 4500CL-B. Once clean extents have been verified through laboratory analysis, backfill material will be placed within the excavation and compacted to the surface in 1-foot lifts.

Tables

TABLE 1
DCP SC-1-13-1
SOIL ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH [(2)] GRO/DRO (mg/kg)	Chloride (mg/kg)
BH01 @ 0-4'	3/13/2017	0-4	389.4	<0.050	<0.050	<0.050	<0.150	<0.300	**155**	**2,160**	**2,315**	**1,410**
BH01 @ 8-12'	3/13/2017	8-12	29.1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.8	25.8	NA
BH02 @ 0-4'	3/13/2017	0-4	7.8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**121**	**121**	NA
BH02 @ 13-16'	3/13/2017	13-16	1.6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH03 @ 0-5'	3/13/2017	0-5	1.6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	192
BH04 @ 0-5'	3/13/2017	0-5	1.8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH05 @ 0-5'	3/13/2017	0-5	1.3	NA	NA	NA	NA	NA	NA	NA	NA	128
BH05 @ 5-10'	3/13/2017	5-10	1.6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH06 @ 5-10'	3/14/2017	5-10	1.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH07 @ 5-10'	3/14/2017	5-10	1.8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.7	16.7	NA
BH08 @ 5-11'	3/14/2017	5-11	2.3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH09 @ 0-5'	3/14/2017	0-5	2.2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH10 @ 0-5'	3/14/2017	0-5	1.8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH11 @ 10-14'	3/14/2017	10-14	3.4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH12 @ 0-5'	3/14/2017	0-5	3.9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH13 @ 0-5'	3/14/2017	0-5	322.1	<0.050	<0.050	<0.050	0.561	0.561	67.5	**762**	829.5	NA
BH13 @ 5-10'	3/14/2017	5-10	7.4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH14 @ 0-5'	3/14/2017	0-5	118.2	<0.050	<0.050	<0.050	<0.150	<0.300	19.6	**538**	557.6	NA
BH14 @ 5-10'	3/14/2017	5-10	2.8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH15 @ 14-16'	3/14/2017	14-16	1.2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH16 @ 0-5'	3/14/2017	0-5	3.3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	192

TABLE 1
DCP SC-1-13-1
SOIL ANALYTICAL RESULTS SUMMARY TABLE

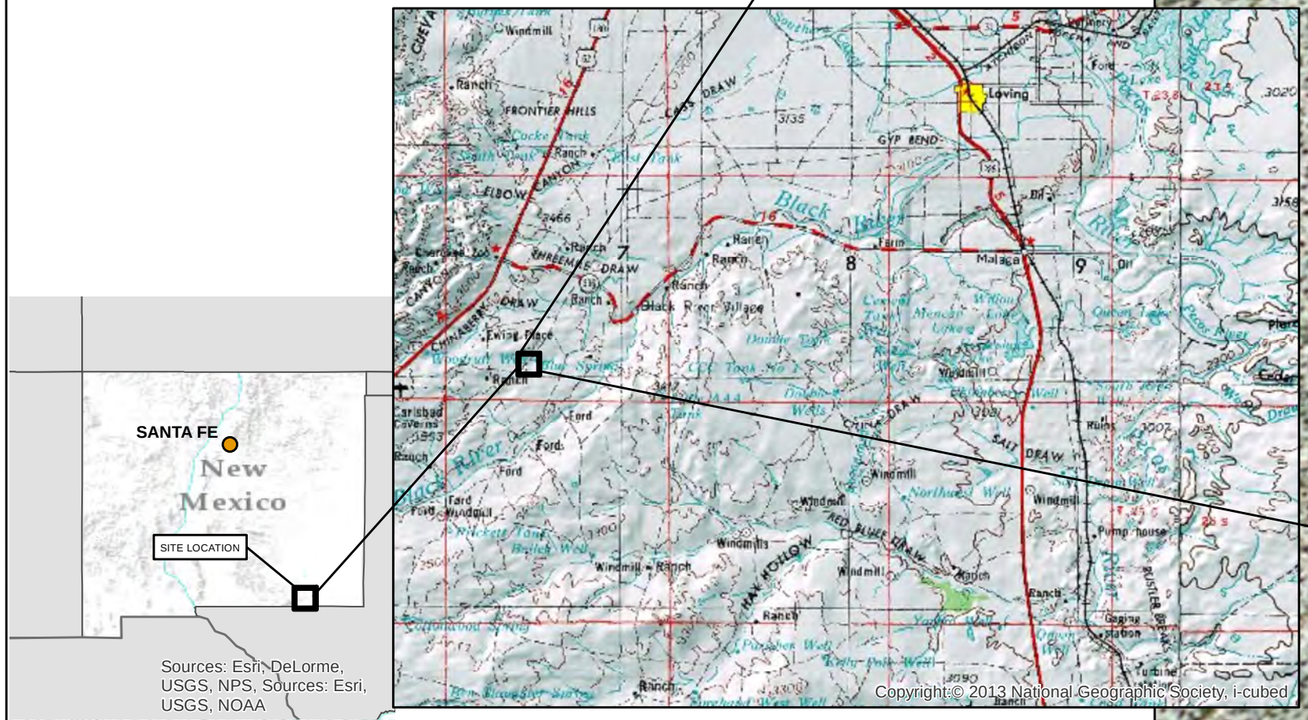
Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH [(2)] GRO/DRO (mg/kg)	Chloride (mg/kg)
BH17 @ 0-5'	3/14/2017	0-5	3.1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**1,120**	**1,120**	NA
BH17 @ 13-16'	3/14/2017	13-16	2.3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	NA
BH18 @ 14-16'	3/14/2017	14-16	1.8	NA	NA	NA	NA	NA	NA	NA	NA	**288**
NMOCD Action Levels - Soil (mg/kg) [(1)]				**10**	**NA**	**NA**	**NA**	**50**	**NA**	**NA**	**100**	**250**

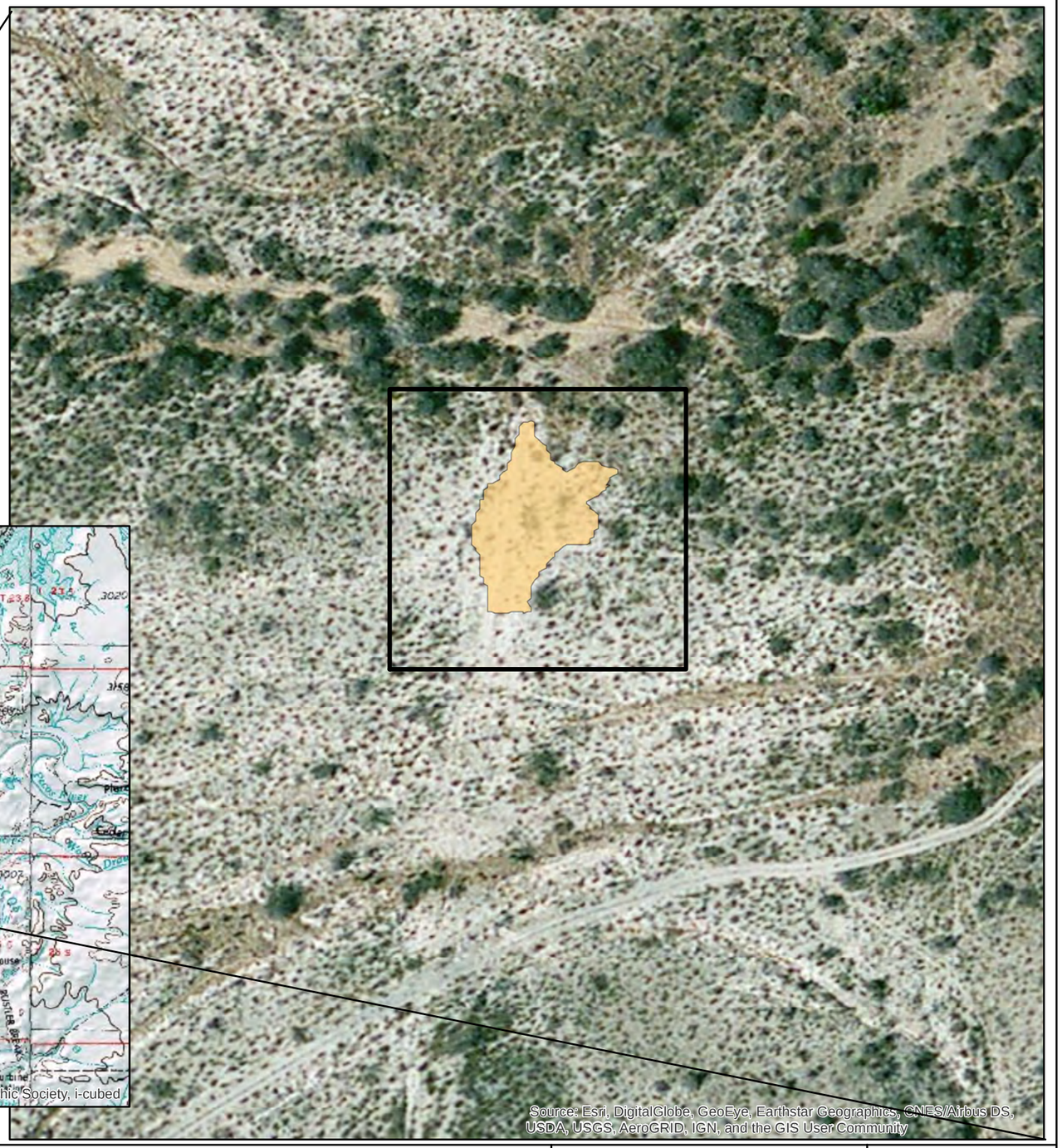
Notes:

1). Standards for Soil are taken from NMOCD Guidelines for Remediation of Leaks, Spills and Releases, 1993, total ranking >19
2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.
Bold indicates concentration exceeds NMOCD Action Levels.

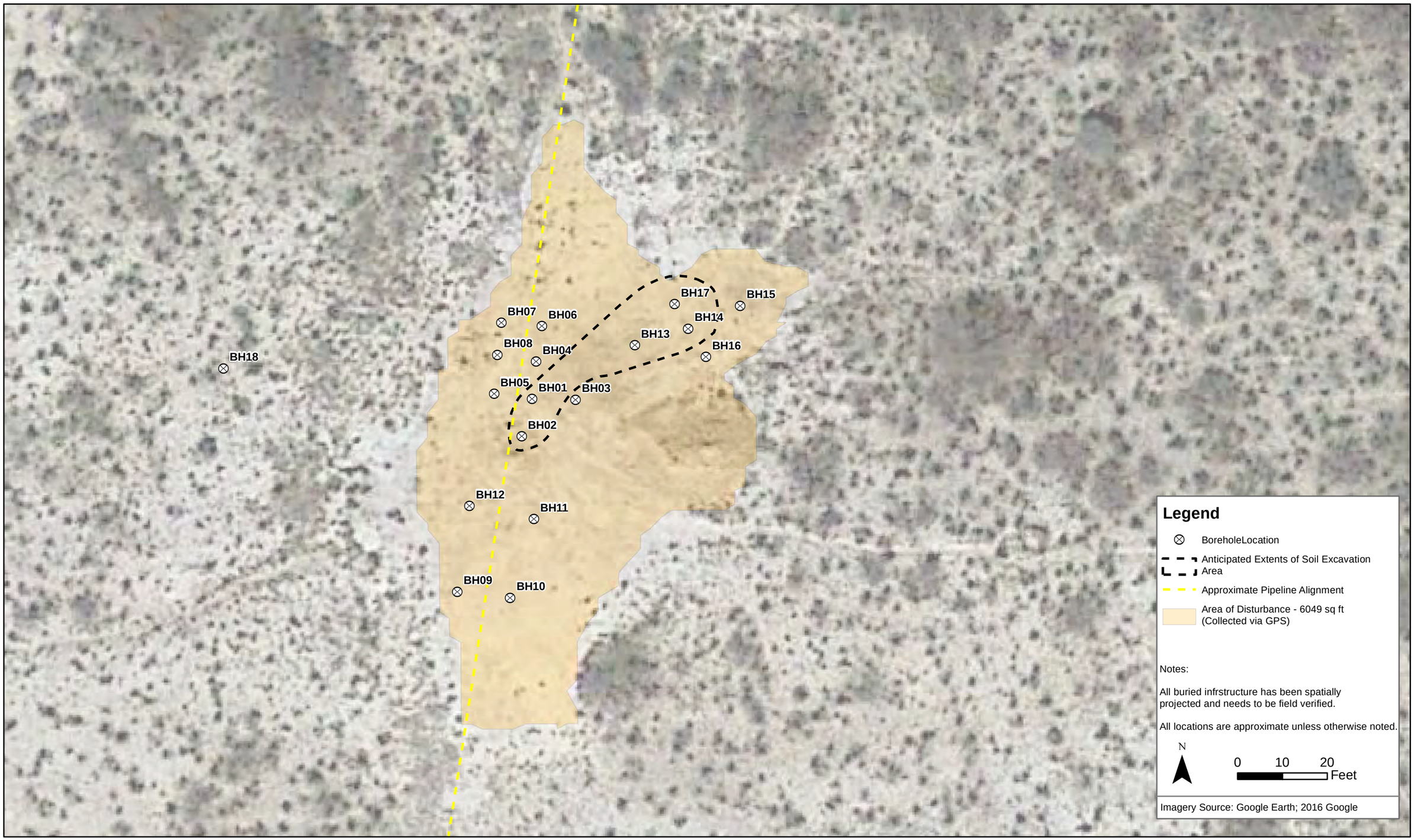
GRO - Gasoline range organics. DRO - Diesel range organics.
mg/kg= Milligrams per kilogram. bgs - Below ground surface.
ppm - Parts per million NA - Not applicable

Figures





DATE: April 2017 DESIGNED BY: B. Humphrey DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences, Inc.** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **SC-1-13-1** SE 1/4, SW 1/4, Section 28, Township 24 South, Range 26 East Eddy County, New Mexico	Site Location Map	Figure 1



DATE: May 2017 DESIGNED BY: K. Norman DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences Inc.** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **SC-1-13-1** SESW Section 28, Township 24 South, Range 26 East Eddy County, New Mexico	Soil Sample Location Map	Figure 2

Appendix A

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 01	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-13-2017	Location: Eddy County, NM	
Date Completed: 3-13-2017	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2-inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1					12:20	SC	
2		Macro Core					Light Brown Hydro Carbon Clayey Sand Smell
3			75%	388.4	✓		
4					Yes		
5						SC	
6					1231		Slightly Damp
7			75%	112			Light Brown Hydro Carbon Clayey Sand Smell
8							
9							
10					1242	GC	Slightly Damp
11			100%	29.1	Yes ✓	~~SC~~	Clayey With Some Gravel ~~Some~~ Sand
12							
13					1250		
14			100%	1.2	Hold	CL	Light Brown Clay With Some Gravel
15							
16			100%	0.9	1300	CL	Light Brown Sandy Clay
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH02	SITE NAME: SC-7-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-13-17	Location: Eddy County, NM	
Date Completed: 3-13-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core		7.8	13 14	SC	Sandy Clay W/some Caliche Light Brown
3			80%		Yes		
4							
5							Slight Odor
6			100%	4.8		SC	As Above
7					13 20		
8							
9							
10							
11			100%	0.9	13:25	CH	Light Brown Fat Clay
12							
13							
14							
15		↓	100%	1.6	13 32	CH	Light Brown Fat Clay W/Some Caliche
16					Yes		
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH03	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-13-17	Location: Eddy County, NM	
Date Completed: 3-13-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core	[illegible]		1352		
3			100%	1.6	[illegible]	SC	Light Brown Sandy Clay
4					Yes		
5							
6							
7			80%	1.0	1357		
8			[illegible]		[illegible]	SC	Light Brown Sandy Clay
9							
10							
11							
12			[illegible]	1.2	1402	SC	Clayey Sandy Soil Light Brown
13			100%				
14							
15		↓	[illegible]	1.5	1408 Hold	SC	Clayey Sandy Soil Light Brown
16			100%				
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH04	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-13-17	Location: Eddy County, NM	
Date Completed: 3-13-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2					1455	SC	Sandy Light Brown Clay
3		Macro	75%	1.8	Yes		
4		Core					
5							
6							
7			100%	1.8	1505	SC	Sandy Light Brown Clay
8		Macro Core			Hold		
9							
10							
11		Macro					
12		Core	100%	1.0	1522	SC	Sandy Light Brown Clay W/some Caliche
13							
14							
15		Macro	100%	0.9	1526	SC	as Above
16		Core					
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH05	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-13-17	Location: Eddy County, NM	
Date Completed: 3-13-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Nacman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2							
3		~~Core~~	100%	1.3	1540	SC	Sandy Light Brown Clay With Some Caliche
4		Macro Core			~~DS~~		
5							
6							
7						SC	As Above
8			100%	1.6	1550		
9					Yes		
10							
11					1600	SC	Sandy Light Brown Clay
12			100%	1.3	Hold		
13							
14							
15			100%	1.1	1605	SC	as Above
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 06	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2-inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2						SC	Sandy Clay, Light Brown dry
3		Macro Core	100%	0.9	0848		
4					Yes		
5							
6							
7				1.0		SC	Sandy Clay, Light Brown With some Caliche
8			100%		0855		
9							
10							
11							
12			100%	0.6	0900	CL	Clayey Sand, Light Brown With some Caliche
13							
14							
15			100%	1.0	0908	CL	as Above
16					Hold		
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH07	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2					0915	SC	Sandy Clay Light Brown
3		Macro Core	100%				
4				0.5			
5							
6							
7					0920	SC	Sandy Clay, Light Brown With Some Caliche
8			100%	1.8	Yes		
9							
10							
11						CL	Clayey Sand Light Brown With Some Caliche
12			100%	1.3	0926		
13					Hold		
14							
15	Hard caliche						
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH08	SITE NAME: SC-1-134	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Hamphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2					0943	SC	Sandy Clay, Light Brown
3		Macro Core	100%	1.5			
4							
5							
6							
7			100%	2.3	0950	SC	as Above
8					Yes		
9							
10							
11							
12							
13							
14			100%	1.4	0955	CL	Clay Sand Light Brown With Some Caliche
15					Hold		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: B409	SITE NAME: SC-1-13-1	CLIENT NAME: PEP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2							
3		Macro Core	100%	2.2	1008	SC	Sandy Clay, Light Brown
4					Yes		
5							
6							
7				1.8	1013	SC	Sandy Clay, Light Brown With Some Caliche
8			100%		Hold		
9							
10							
11							
12			100%	1.8	1025	CL	Clay Sand Light Brown With Caliche
13							
14							
15			100%	1.1	1030	SC	Sandy Clay Light Brown With Caliche
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH10	SITE NAME: SC-1-13-1	CLIENT NAME: DCPMidstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2			100%	1.8	1045	SC	Sandy Clay Light + Brown With Caliche
3		Macro Core			Yes		
4							
5							
6							
7			100%	0.8	1053	SC	As Above
8							
9							
10							
11							
12			100%	1.7	1100 Hold	SC	As Above
13							
14							
15			100%	0.8	1110	SC	As Above
16		↓					With Gravel
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 11	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2							
3		Macro Core	100%	0.8	1209	SC	Sandy Clay Light Brown
4							
5							
6							
7					1218	SC	As Above
8			100%	2.3			
9							
10							
11							
12			100%	3.4	1226	CL	Clay Sand Light Brown With Some Caliche
13					Yes		
14							
15			100%	2.2	1232	CL	as Above
16					Hold		
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 12	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2					1235	SC	Sandy Clay Light Brown W/ Some Caliche
3		Macro Core	100%	3.9	Yes		
4							
5							
6							
7							
8			100%	2.6	1242	CL	Clay Sand Light Brown W Caliche
9							
10							
11							
12			100%	3.3	1255	CL	As Above
13					Hold		
14							
15							@ 14' Hard Rock
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 13	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2							Slight odor
3		Macro Core	100%	322.1	13 12	SC	Sandy Clay Light Brown
4					Yes		
5							
6							
7			100%		13 16	CL	Clay Sandy Light Brown With Some Caliche
8				7.4	Yes		
9							
10							
11					1320	CL	As Above
12			100%	3.5	Hold		
13							
14			100%	2.7	13 25	CL	As Above
15		↓					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH14	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro		~~0.0~~			Slight Odor
3		Core	100%	18.2	1355	SC	Sandy Clay Light Brown
4					Yes		
5							
6							
7			100%	2.8	1402	SC	Sandy Clay Light Brown
8					Yes		
9							
10							
11			100%		1408		
12				2.3	Hold	SC	Sandy Clay Light Brown W/Some Caliche
13							
14							
15			100%	3.0	1416	SC	As Above
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 15	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core	100%	[redacted]	1422	SC	Sandy Clay Light Brown
3				0.5			
4							
5							
6							
7			100%	0.6	1428	SC	Sandy Clay Light Brown W/ Some Caliche
8							
9							
10							
11							
12			100%	1.1	1433	SC	As Above
13							
14							
15			100%	1.2	1438	SC	As Above
16					Yes		
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 16	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core	100%	3.3	1452	SC	Sandy Clay, Light Brown
3					Yes		
4							
5							
6							
7			100%	1.4	1458	SC	As Above
8							
9							
10							
11							
12			100%	1.5	1505	SC	As Above With Some Caliche
13							
14							
15			100%	1.7	1512	SC	As Above With Some Caliche
16		↓			Hold		
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 17	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core	100%	3.1	1520	SC	Sandy Clay, Light Brown
3					Yes		
4							
5							
6							
7			100%	2.2	1525	SC	As Above
8							
9							
10							
11							
12			100%	1.5	1530	SC	As Above
13							
14					1535		
15			100%	2.3	Hold	SC	As Above
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: BH 18	SITE NAME: SC-1-13-1	CLIENT NAME: DCP Midstream
Date Started: 3-14-17	Location: Eddy County, NM	
Date Completed: 3-14-17	TOC Elevation: N/A	DTW: Not Encountered
Type of Drill: Direct Push	Geologist: Kyle Norman	
Bit Size: 2 inch	Project Manager: Brian Humphrey	
Drilling Company: Tasman		

Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description
1							
2		Macro Core	100%	5.5	1545	SC	Sandy Clay, Light Brown
3							
4							
5							
6							
7			100%	6.4	1552	SC	As Above
8							
9							
10							
11							
12			100%	3.2	1600	SC	As Above With Caliche
13							
14							
15			100%	1.8	1606	SC	As Above With Caliche
16		↓			Yes CV		
17							
18							
19							
20							
21							
22							
23							
24							
25							

Appendix B

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 17, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: SC -1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/14/17 18:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH01 0' - 4' (H700649-01)

BTEX 8021B mg/kg **Analyzed By: MS** **S-04**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *186 %* *72-148*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1410**	16.0	03/14/2017	ND	400	100	400	7.69	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**155**	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	**2160**	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *132 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *141 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH01 8' - 12' (H700649-02)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	**25.8**	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *97.7 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *86.1 %* *26.8-170*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH02 0' - 4' (H700649-04)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	**121**	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *101 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *99.0 %* *26.8-170*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH02 13' - 16' (H700649-05)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane *99.6 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *106 %* *26.8-170*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH03 0' - 5' (H700649-06)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/17/2017	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *101 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *89.3 %* *26.8-170*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH04 0' - 5' (H700649-08)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *99.6 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *94.0 %* *26.8-170*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/14/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BH05 5' - 10' (H700649-10)

BTEX 8021B **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.1 %* *72-148*

TPH 8015M **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane *100 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *101 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	DCP Midstream	BILL TO P.O. #:	F-261
Project Manager:	Brian Humphrey / Hack Conder	Company:	
Address:		Attn:	
City:	State: Zip:	Address:	
Phone #:	Fax #:	City:	
Project #:	Project Owner:	State: Zip:	
Project Name:		Phone #:	
Project Location:	SC-1-13-1'	Fax #:	
Sampler Name:	Kyle Norman		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	TIME	ANALYSIS REQUEST: BTEX	TPH	Cl-	
H700649																		
1	BH01 0-4'	G	-			✓					✓		3-13-17	12:20	✓	✓	✓	
2	BH01 8'-12'													1242	✓	✓		
3	BH01 12'-15'													1250	✓	✓		HOLD
4	BH02 0-4'													1314	✓	✓		
5	BH02 13'-16'													1332	✓	✓		HOLD added 3/14
6	BH03 0-5'													1352	✓	✓	✓	added 3/17/17
7	BH03 14'-16'													1408	✓	✓		HOLD
8	BH04 0-5'													1455	✓	✓		
9	BH04 5'-10'													1505	✓	✓		HOLD
10	BH05 5'-10'													1550	✓	✓		

Relinquished By: Kyle	Date: 3-13-17	Received By: Jodi Henson	
	Time: 6:26		
Relinquished By:	Date:	Received By:	
	Time: 8:30		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75 0.9°C

Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS: hconder@dcpmidstream.com
bhumphrey@tasman-geo.com
Knorman@ -05 added 3/14/17 as per Brian. CH 3/14/17

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: DCP Midstream		BILL TO	
Project Manager:		P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location: SC-1-13-1		Phone #:	
Sampler Name: Kyle Norman		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	BTEX	TPH													
H700619 11	BH05 10'-14'	G	1			✓					✓		3-13-17	1600	✓	✓		Hobbs											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-13-17	Received By:	Jodi Henson
	Time: 6:26		
Relinquished By:	Date:	Received By:	
	Time: 8:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75 0.9°	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
hpconder@dcpmidstream
bhumphreys@tasman-geo.com
Knorman@

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 17, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: SC -1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/17/17 10:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Midland
HACK CONDER
10 Desta Dr., #400-W
Midland TX, 79705
Fax To: None

Received:	03/17/2017	Sampling Date:	03/13/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC -1-13-1	Sampling Condition:	** (See Notes)
Project Number:	F-261	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: BH05 @ 0' - 5' (H700702-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/17/2017	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Dcp Midstream / Tasman Geo	**BILL TO**	
Project Manager:	Brian Humphrey / Hack Conder	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location:	SC-1-13-1	Phone #:	
Sampler Name:	Kyle Norman	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL-
H700702 1	BH05 @ 0'-5'	G	1			✓							3-13-17	1540	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3-17-17	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3-17-17	Received By:	REMARKS: bhumphrey@tasman-geo.com hpconder@dcpmidstream.com knorman@tasman-geo.com
	Time: 10:45		
Delivered By: (Circle One)	Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	14.3°	T.O. #75	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 17, 2017

HACK CONDER

DCP Midstream - Hobbs

1625 W. MARLAND

Hobbs, NM 88240

RE: SC-1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/15/17 9:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH06 @ 5'-10' (H700674-01)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *110 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *121 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH07 @ 5'-10' (H700674-03)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	**16.7**	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *101 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *112 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH08 @ 5'-11' (H700674-05)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *105 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *115 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH09 @ 0'-5' (H700674-07)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *90.1 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *99.2 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH10 @ 0'-5' (H700674-09)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *94.2 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *104 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH11 @ 10'-14' (H700674-11)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *101 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *111 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH12 @ 0'-5' (H700674-13)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *98.3 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *104 %* *26.8-170*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH13 @ 0'-5' (H700674-15)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	**0.561**	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	**0.561**	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *133 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**67.5**	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	**762**	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *119 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *127 %* *26.8-170*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH13 @ 5'-10' (H700674-16)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	

Surrogate: 1-Chlorooctane *97.6 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *103 %* *26.8-170*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH14 @ 0'-5' (H700674-18)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**19.6**	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	**538**	10.0	03/16/2017	ND	234	117	200	2.19	

Surrogate: 1-Chlorooctane *105 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *127 %* *26.8-170*

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CARDINAL Laboratories

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Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH14 @ 5'-10' (H700674-19)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	

Surrogate: 1-Chlorooctane *86.3 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *83.0 %* *26.8-170*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH15 @ 14'-16' (H700674-21)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	

Surrogate: 1-Chlorooctane *92.9 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *96.2 %* *26.8-170*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH16 @ 0'-5' (H700674-22)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	03/17/2017	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	

Surrogate: 1-Chlorooctane *92.6 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *94.2 %* *26.8-170*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH17 @ 0'-5' (H700674-24)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *72-148*

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	**1120**	10.0	03/16/2017	ND	194	97.1	200	0.595	

Surrogate: 1-Chlorooctane *92.7 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *133 %* *26.8-170*

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

DCP Midstream - Hobbs
HACK CONDER
1625 W. MARLAND
Hobbs NM, 88240
Fax To: (575) 397-5598

Received:	03/15/2017	Sampling Date:	03/14/2017
Reported:	03/17/2017	Sampling Type:	Soil
Project Name:	SC-1-13-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	SC-1-13-1		

Sample ID: BH17 @ 13'-16' (H700674-25)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *72-148*

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2017	ND	182	91.0	200	4.18	
DRO >C10-C28	<10.0	10.0	03/17/2017	ND	196	97.8	200	0.645	

Surrogate: 1-Chlorooctane *83.2 %* *25.1-158*

Surrogate: 1-Chlorooctadecane *88.0 %* *26.8-170*

Sample ID: BH18 @ 14'-16' (H700674-26)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	03/15/2017	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Celey D. Keene, Lab Director/Quality Manager

RUSH 1 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: DCP Midstream / Tasman Geoscience	**BILL TO**
Project Manager: Brian Humphrey / Hack Conder	**P.O. #:** F-261
Address:	**Company:** DCP Midstream
City: **State:** **Zip:**	**Attn:**
Phone #: **Fax #:**	**Address:**
Project #: **Project Owner:**	**City:**
Project Name:	**State:** **Zip:**
Project Location: SC-1-13-1	**Phone #:**
Sampler Name: Kyle Norman	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS	
H700674																					
1	BH06 @ 5'-10'	G	1			✓					✓		3-14-17	0855		✓	✓			HOLD	
2	BH06 @ 14'-16'													0908		✓	✓				
3	BH07 @ 5'-10'													0920		✓	✓			HOLD	
4	BH07 @ 10'-14'													0926		✓	✓				
5	BH08 @ 5'-11'													0950		✓	✓			HOLD	
6	BH08 @ 11'-16'													0955		✓	✓				
7	BH09 @ 0-5'													1008		✓	✓			HOLD	
8	BH09 @ 5'-10'													1013		✓	✓				
9	BH10 @ 0-5'													1045		✓	✓			HOLD	
10	BH10 @ 10'-13'													1100		✓	✓				

Relinquished By: Kyle Norman	**Date:** 3-15-17 **Time:** 9:25	**Received By:** Jodi Henson	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75 2.8°	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** JA	

Phone Result: ☐ Yes ☑ No **Add'l Phone #:**
Fax Result: ☐ Yes ☑ No **Add'l Fax #:**
REMARKS:

email results: swweathers@dcpmidstream.com
hpconder@dcpmidstream.com
bhumphrey@tasman-geo.com
knorman@tasman-geo.com:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RUSH 2 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: DCP Midstream / Tasman Geoscience	**BILL TO**
Project Manager: Brian Humphrey / Hack Conder	**P.O. #:**
Address:	**Company:** DCP Midstream
City: **State:** **Zip:**	**Attn:**
Phone #: **Fax #:**	**Address:**
Project #: **Project Owner:**	**City:**
Project Name:	**State:** **Zip:**
Project Location: SC-1-13-1	**Phone #:**
Sampler Name: Kyle Norman	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
H700674																				
11	BH11 @ 10'-14'	G	1			✓					✓		3-14-17	1226		✓	✓			
12	BH11 @ 14'-16'													1232		✓	✓		HOLD	
13	BH12 @ 0-5'													1235		✓	✓			
14	BH12 @ 10'-14'													1255		✓	✓		HOLD	
15	BH13 @ 0-5'													1312		✓	✓			
16	BH13 @ 5-10'													1320		✓	✓			
17	BH13 @ 10'-13'													1320		✓	✓		HOLD	
18	BH14 @ 0-5'													1355		✓	✓			
19	BH14 @ 5'-10'													1402		✓	✓			
20	BH14 @ 10'-14'	↓	↓			↓					↓		↓	1408		✓	✓		HOLD	

Relinquished By: Kyle Norman	**Date:** 3-15-17 **Time:** 9:25	**Received By:** Jodi Henson	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75 2.8°C	**Sample Condition** Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	**CHECKED BY: (Initials)** JH	

Phone Result: ☐ Yes ☑ No **Add'l Phone #:**
Fax Result: ☐ Yes ☑ No **Add'l Fax #:**
REMARKS:

email results: swweathers@dcpmidstream.com
hpconder@dcpmidstream.com
bhumphrey@tasman-geo.com
knorman@tasman-geo.com:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RUSH

3 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name: DCP Midstream / Tasman Geoscience	**BILL TO**
Project Manager: Brian Humphrey / Hack Conder	**P.O. #:**
Address:	**Company:** DCP Midstream
City: **State:** **Zip:**	**Attn:**
Phone #: **Fax #:**	**Address:**
Project #: **Project Owner:**	**City:**
Project Name:	**State:** **Zip:**
Project Location: SC-1-13-1	**Phone #:**
Sampler Name: Kyle Norman	**Fax #:**

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
H700674																				
21	BH15 @ 14'-16'	G	1			✓					✓		3-14-17	1438	⊗	✓	✓			added 3/17/17
22	BH16 @ 0-5'													1452	⊗	✓	✓			HOLD
23	BH16 @ 14'-16'													1512		✓	✓			
24	BH17 @ 0-5'													1520		✓	✓			
25	BH17 @ 13'-16'													1535		(✓)	(✓)			~~HOLD~~ Run as per Brian 3/16/17
26	BH18 @ 14'-16'													1606	✓					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Kyle N.	**Date:** 3-15-16 **Time:** 4:25	**Received By:** Jodi Henson	**Phone Result:** ☐ Yes ☑ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☑ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #75 2.8°C	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**REMARKS:** email results: swweathers@dcpmidstream.com hpconder@dcpmidstream.com bhumphrey@tasman-geo.com knorman@tasman-geo.com:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476