



March 8, 2021

Mike Bratcher
 New Mexico Energy, Minerals and Natural Resources Department
 Oil Conservation Division, District 2
 811 S. First Street
 Artesia, NM 88210

Re: Remediation Summary and Closure Report
Natural Gas Gathering Line #11117 Leak Location 2
GPS: Latitude 32.297758 Longitude -104.255832
UL "P", Sec. 14, T23S, R26E
Eddy County, New Mexico
NMOCD Ref. No. NRM2016954249

Tasman Geosciences, Inc. (Tasman), on behalf of DCP Operating Company, LP (DCP), has prepared this Remediation Summary and Closure Report for the condensate and natural gas Release Site known as the Natural Gas Gathering Line #11117 Leak Location 2. Details of the release are summarized below:

RELEASE DETAILS			
Type of Release:	Natural Gas, Condensate	Volume of Release: 6 bbls	
		Volume Recovered: bbls	
Source of Release:	6" Steel Gas Gathering Pipeline	Date of Release:	Date of Discovery: 7/19/19
Was Immediate Notice Given?	No	If, YES, to Whom?	
Was a Watercourse Reached?	No	If YES, Volume Impacting the Watercourse: N/A	
Surface Owner:	Montclair Development Corporation	Mineral Owner: N/A	
Describe Cause of Problem and Remedial Action Taken:			

Seeping natural gas was discovered as a result of a 6-inch diameter steel natural gas gathering pipeline leak (small hole under pressure). Upon discovery of the release on July 19, 2019, a DCP maintenance crew performed initial response actions in which impacted soil at the point of release were excavated and the pipeline leak was repaired. Between July 29 and 31, 2019, DCP maintenance conducted additional remedial activities with Tasman oversight, in which the previously excavated impacted soil placed within the relevant pipeline right of way was loaded into haul trucks and hauled, under manifest, to a New Mexico Oil Conservation Division (NMOCD) approved disposal facility for disposal (approximately 72 cubic yards [cy] of impacted soils were removed). Concurrently, Tasman initiated assessment activities in which three (3) 5-point composite soil samples were collected from the bottom and sidewalls of the previously excavated area and submitted to the laboratory for analysis of total petroleum hydrocarbons (TPH) and chloride (Cl-) concentrations via method 8015 M Ext. and SM4500 CL-B, respectively. The laboratory analytical results for the bottom and sidewall composite soil samples exhibited concentrations of TPH in soils above applicable NMOCD closure criteria. Based on the Initial field observations at that time, the volume of associated hydrocarbon liquids was estimated to be below NMOCD reporting thresholds of 5 barrels (bbls). Additional details of the initial remedial actions are presented in the July 2, 2020 Site Assessment Summary and Remediation Plan previously submitted to NMOCD.

A release Site Characterization Map is provided as Figure 1. General remedial actions and site delineation photographs are provided as Appendix C.

REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste which occur during normal oilfield operations are generally regulated by the NMOCD in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance and enforcement procedures. Table I of 19.15.29.12 NMAC defines the closure criteria for soils impacted by a release based on the depth to groundwater and the following site characteristics:

Site Characteristics	
Approximate Depth to Groundwater	~ 197 feet
Within 300 ft. of any continuously flowing or significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

A search of a groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within a one (1) mile radius of the Release Site and to identify any registered water wells within a 1/2 mile of the Release Site. Based on a review of the water well data, the approximate average depth to groundwater in the vicinity of the Release Site was estimated to be approximately 197 feet below ground surface (bgs). Figure 1 illustrates the location of the registered water wells within the vicinity of the Release Site. The NMOSE database search findings and depth to groundwater results is provided in Appendix A.

NMOCD Closure Criteria for this site are as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
Notes: 1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29 2) TPH calculated by adding GRO, DRO and MRO (Ext Hydrocarbons) concentrations. * Or other test methods approved by the NMOCD. ** Numerical limits or natural background level, whichever is greater. *** This applies to releases of produced water or other fluids, which may contain chloride. GRO - Gasoline range organics DRO - Diesel range organics mg/kg - Milligrams per kilogram mg/l - Milligrams per liter TDS - Total dissolved solids TPH - Total volatile and extractable petroleum hydrocarbons			

SITE DELINEATION

Between October 22, 2019 and January 28, 2020, Tasman personnel revisited the Release Site three (3) times in an effort to complete additional site characterization, excavate identified hydrocarbon impacted soil, collect soil samples and transport/dispose of excavated soil to a NMOCD-approved disposal facility. During the January 28, 2020 assessment, three (3) 5-point composite method soil samples were collected from the bottom and sidewalls of the open excavation and submitted to an NMOCD-approved laboratory for analysis of TPH; benzene, toluene, ethylbenzene and xylene (BTEX) using analytical method SW846 8269C; and Cl-. Analytical results of the soil samples collected during the January 28, 2020 delineation activities, indicated that BTEX and Cl- concentrations are below the NMOCD Closure Criteria and were no longer a constituent of concern. TPH still remained above the NMOCD Closure Criteria of 100 ppm. Additional details of these remedial actions and delineation activities are presented in the July 2, 2020 Site Assessment Summary and Remediation Plan previously submitted to NMOCD.

Based on the additional remedial actions and delineation activities between October 22, 2019 and January 28, 2020, the extent of the release was re-assessed and conservatively estimated to be approximately 6 bbls which is a minor release (slightly greater than the reportable quantity of 5 bbls but less than the release threshold for a major release of 25 bbls). As such, DCP opted to submit release notification (Form C-141) on June 15, 2020. A copy of the initial release notification form is provided in Appendix D. In addition, supplemental investigative and remedial action were proposed in the July 2, 2020 Site Assessment Summary and Remediation Plan and subsequently implemented.

As described in the July 16, 2020 Site Assessment Summary and Remediation Plan, Tasman re-mobilized to the site on January 12 and 13, 2021 to advance five (5) soil borings (SB-1, SB-2, SB-3, SB-4 and SB-5) in an effort to further investigate the horizontal and vertical extent of soil impacts (Figure 2). The soil borings were advanced using an air rotary rig and the subsurface geology, field observations and sample depths were recorded on soil boring logs. Soil boring SB-1, located near the center of the previous excavation, was advanced to a total depth of 30 feet below ground surface (bgs) and soil borings SB-2, SB-3, SB-4, and SB-5, located adjacent to each side of the previous excavation limits, were advanced to a total depth of 20 feet bgs. Groundwater was not encountered during field investigation activities. Soil samples were collected at regular vertical intervals (ground surface, 5', 10', 15', 20', 25' and/or 30' bgs) and field tested for CL- using a Silver Nitrate Kit and volatile organic compounds (VOCs) using a photo-ionization detector (PID). Representative soil samples were also collected from select vertical intervals and sent to a NMOCD-approved laboratory for analysis of TPH, BTEX, and/or Cl-. Analytical results of the vertical soil samples collected from the soil borings indicated that all TPH, BTEX and Cl- concentrations are below the NMOCD Closure Criteria and the horizontal and vertical extent of the impacted soil has been delineated.

The locations of the soil borings, and the field screening and analytical results of the soil samples collected from the soil borings are presented on Figure 2. The soil boring logs presenting a description of the subsurface geology, field observations, field screening results and soil sample intervals is provided in Appendix E. Laboratory analytical reports are provided in Appendix B. A summary of the laboratory analytical results from the soil samples collected from the soil borings is presented in the table below.

Concentrations of BTEX, TPH and Chloride in Soil													
Sample ID	Date	Depth	PID Reading (ppm)	Soil Status	SW 846 8260C		SW 846 8015M Ext.					E 300	
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	GRO EXT C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)	
SB-1 @ 5'	1/12/2021	5'	38.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-1 @ 10'	1/12/2021	10'	28.1	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-1 @ 15'	1/12/2021	15'	15.9	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-1 @ 20'	1/12/2021	20'	33.7	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-1 @ 25'	1/12/2021	25'	35.0	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-1 @ 30'	1/12/2021	30'	10.0	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SB-2 @ Surface	1/12/2021	0'	3.7	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-2 @ 5'	1/12/2021	5'	3.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-2 @ 10'	1/12/2021	10'	1.8	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-2 @ 15'	1/12/2021	15'	2.7	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SB-2 @ 20'	1/12/2021	20'	3.1	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-3 @ Surface	1/12/2021	0'	1.9	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-3 @ 5'	1/12/2021	5'	3.1	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-3 @ 10'	1/12/2021	10'	1.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-3 @ 15'	1/12/2021	15'	1.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-3 @ 20'	1/12/2021	20'	1.7	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SB-4 @ Surface	1/12/2021	0'	2.2	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-4 @ 5'	1/12/2021	5'	2.1	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-4 @ 10'	1/12/2021	10'	2.7	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-4 @ 15'	1/12/2021	15'	1.9	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-4 @ 20'	1/12/2021	20'	1.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-5 @ Surface	1/13/2021	0'	2.1	In-Situ	NA	NA	NA	NA	NA	NA	NA	NA	
SB-5 @ 5'	1/13/2021	5'	1.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SB-5 @ 10'	1/13/2021	10'	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
SB-5 @ 15'	1/13/2021	15'	3.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SB-5 @ 20'	1/13/2021	20'	1.3	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
NMOCD Closure Criteria					10	50	-	-	-	-	100	600	

Notes:

1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29

2) TPH calculated by adding GRO, DRO and GRO EXT concentrations.

Bold - Indicates constituent concentration above respective NMOCD - NMAC Closure Criteria.

GRO - Gasoline range organics

DRO - Diesel range organics

mg/kg - Milligrams per kilogram

bgs - Below ground surface

NA - Not available

TPH - Total volatile and extractable petroleum hydrocarbons

The laboratory analytical reports for these site assessment activities are provided as Appendix B.

SUMMARY OF FIELD ACTIVITIES

Based on the previous site assessment activities and findings described above, Tasman remobilized to the Release Site four (4) additional times between January 27, 2021 and February 1, 2021 to further remediate impacted soil using mechanical equipment and to perform bottom and sidewall soil confirmation sampling within the limits of the excavation for site closure. The majority of impacted soil was excavated to a depth of approximately 5-feet bgs except in the bottom grid area for samples #1 which had TPH concentrations in the composite soil sample above NMOCD closure criteria. As such, impacted soils in grid area #1 were excavated to a depth of 8-feet bgs and an additional bottom soil composite confirmation sample were collected. Along the east sidewall of the excavation, the composite sidewall samples exhibited elevated TPH concentrations above NMOCD closure criteria which resulted in extending the limits of excavation further east and performing two additional sidewall soil confirmation samples on the east wall. The final excavation footprint extended over an area of approximately 27-feet by 27-feet as illustrated on Figures 3A and 3B.

Excavated impacted soil was temporarily stockpiled on-site, on top of a plastic impermeable liner, pending final disposition. Upon completion of excavation activities, a total of three (3) bottom and four (4) sidewall 5-point composite method confirmation soil samples were collected from the final limits of the excavation. The collected soil samples were submitted to a NMOCD-approved laboratory for analysis of TPH, BTEX, and Cl-. Laboratory analytical results indicated that TPH, BTEX, and Cl- concentrations were below the NMOCD closure criteria for all the confirmation soil samples representative of the final limits of the excavation. Upon receiving laboratory analytical results from confirmatory sampling, impacted soil (312 cubic yards) was transported under manifest to a NMOCD-approved disposal facility. A summary of the analytical results for the bottom and sidewall confirmation soil samples is provided in the table below:

Concentrations of BTEX, TPH and Chloride in Soil												
Sample ID	Date	Depth	PID Reading (ppm)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 C-B
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
5- PT Comp. Bottom - 1 @ 5'	1/28/2021	5'	41.9	Excavated	NA	NA	12.3	1,610	1,622.3	382.0	2,004.3	NA
5- PT Comp. Bottom - 2 @ 5'	1/28/2021	5'	1.2	In-Situ	<0.050	<0.300	<10.0	43	43	18	61	32
5- PT Comp. Bottom - 3 @ 5'	1/28/2021	5'	1.5	In-Situ	<0.050	<0.300	<10.0	21	21	<10.0	21	32
5- PT Comp. Bottom - 1 @ 8'	1/29/2021	8'	46.6	In-Situ	<0.050	<0.300	<10.0	58	58	19.0	77	32
5 PT Comp. North Wall	1/28/2021	NA	3.9	In-Situ	<0.050	<0.300	<10.0	15	15	<10.0	15	96
5 PT Comp. West Wall	1/28/2021	NA	2.7	In-Situ	<0.050	<0.300	<10.0	23.9	23.9	<10.0	23.9	48
5 PT Comp. East Wall	1/28/2021	NA	1.9	Excavated	NA	NA	<10.0	125	125	39.7	164.7	NA
5 PT Comp. South Wall	1/28/2021	NA	3.9	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	18.8	18.8	16
5 PT Comp. East Wall Extended	1/29/2021	NA	40.6	Excavated	NA	NA	<10.0	93.4	93.4	21.1	114.5	NA
5 PT Comp. East Wall Extended	2/1/2021	NA	20.3	In-Situ	<0.050	<0.300	<10.0	10.3	10.3	<10.0	10.3	32
5 PT. Comp. North Wall-2 Ext	2/4/2021	NA	2.6	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
NMOCD Closure Criteria					10	50	-	-	-	-	100	600

Notes:

1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29

2) TPH calculated by adding GRO, DRO and GRO EXT concentrations.

Bold - Indicates constituent concentration above respective NMOCD - NMAC Closure Criteria.

GRO - Gasoline range organics

DRO - Diesel range organics

mg/kg - Milligrams per kilogram

bgs - Below ground surface

NA - Not available

TPH - Total volatile and extractable petroleum hydrocarbons

The bottom and sidewall 5-point composite soil confirmation sample locations as well as the field screening and laboratory analytical results are presented on Figures 3A and 3B, respectively. General remedial action, site delineation and restoration photographs are presented in Appendix C. The laboratory analytical reports are provided in Appendix B.

Between February 9, 2021, the excavated area was backfilled with locally sourced, non-impacted "like" material (approximately 160cy of backfill and 236cy of top soil). On February 9, 2021, Tasman collected a 5-point composite method soil sample from the imported top soil and submitted the sample to a NMOCD-approved laboratory for analysis of TPH, BTEX, and Cl-. Laboratory analytical results indicated that TPH, BTEX, and CL- concentrations were below the NMOCD closure criteria for the submitted soil sample. The laboratory analytical report for the imported top soil sample is provided in Appendix B. On February 9, 2021, the area impacted by the release and remedial activities were contoured to match surrounding ground surface.

SITE CLOSURE REQUEST

Based on laboratory analytical results from confirmation soil samples, impacted soil within the release margins has been determined to be remediated to below the 19.15.29.12 NMAC Table I - Closure Criteria for soils impacted by the release. Tasman on behalf of DCP Midstream, respectfully requests the NMOCD grant closure approval for this site. The site closure request form (Form C-141) is provided in Appendix F.

RESTORATION, RECLAMATION AND RE-VEGETATION

On February 9, 2021, the areas affected by the Release and associated remediation activities were backfilled with locally sourced, non-impacted general backfill (~5-ft. to 8-ft. bgs) and top soil (Surface to ~5-ft. bgs). The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

A native seed mix acceptable to the property owner will be utilized for the revegetation of the Site. Upon approval from the property owner of the native seed mix, the mixture will be broadcast at a rate two (2) times the suggested rate to compensate for broadcasting of the seed and the seeding activities will take place during the next favorable growing season. Following the broadcasting of the seed, mechanical means, such as a screen or disc harrow pulled behind a tractor, will be used to "set" the seed.

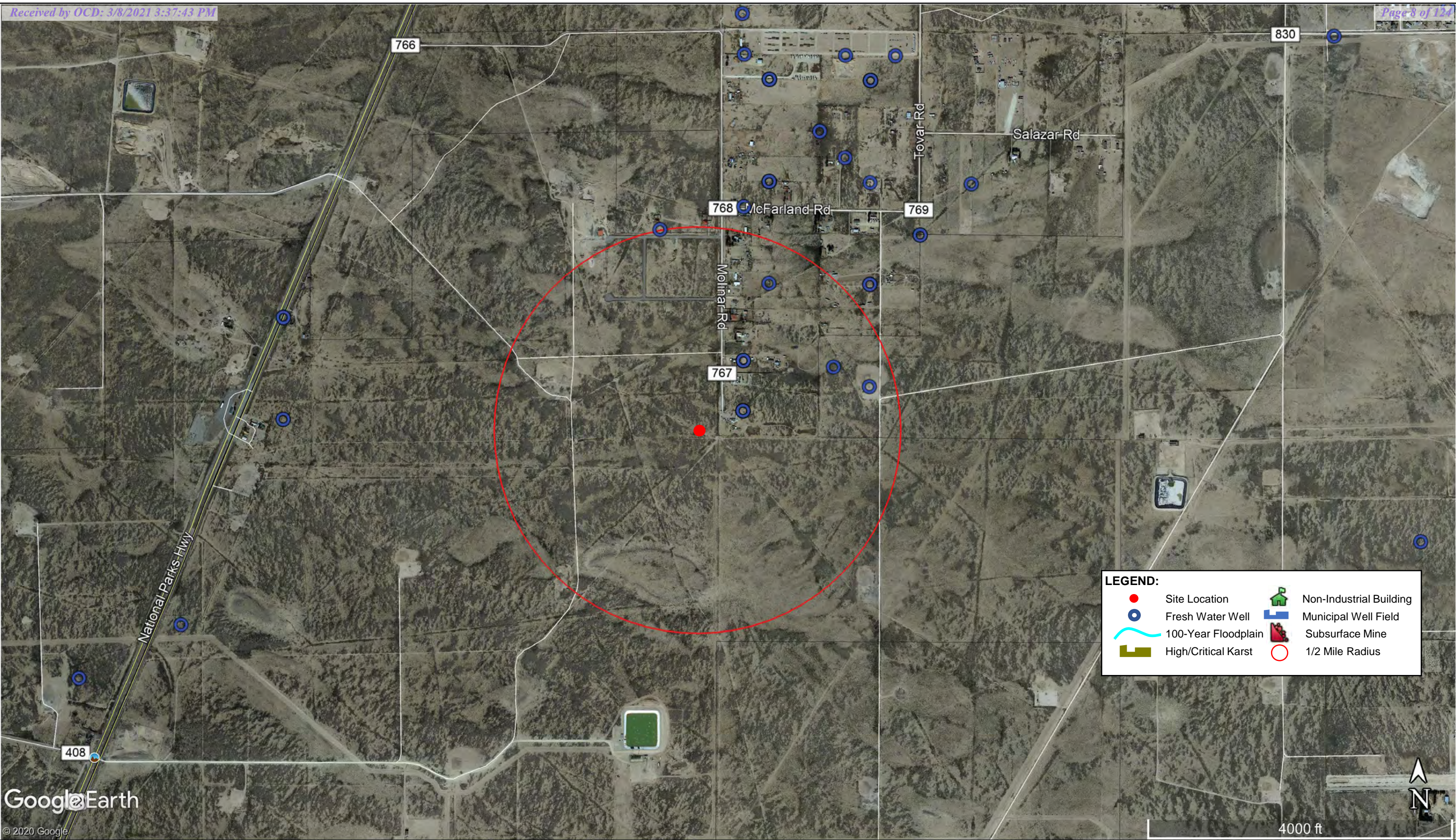
If you have any questions, or if additional information is required, please feel free to contact Stephen Weathers or the undersigned by phone or email.

Respectfully,

Kyle Norman
Regional Project Manager
knorman@tasman-geo.com
(575) 318-5017


Attachments:	Figure 1:	Site Characteristics Map
	Figure 2:	Soil Bore Location Map
	Figure 3A:	Soil Confirmation Sample Location Map (Excavation Bottom)
	Figure 3B:	Soil Confirmation Sample Location Map (Excavation Sidewalls)
	Appendix A:	Depth to Groundwater Information
	Appendix B:	Laboratory Analytical Reports
	Appendix C:	Photo Documentation
	Appendix D:	Release Notification and Corrective Action (FORM C-141)
	Appendix E:	Soil Boring Logs
	Appendix F:	Closure Form (FORM C-141)

Figures



LEGEND:

	Site Location		Non-Industrial Building
	Fresh Water Well		Municipal Well Field
	100-Year Floodplain		Subsurface Mine
	High/Critical Karst		1/2 Mile Radius

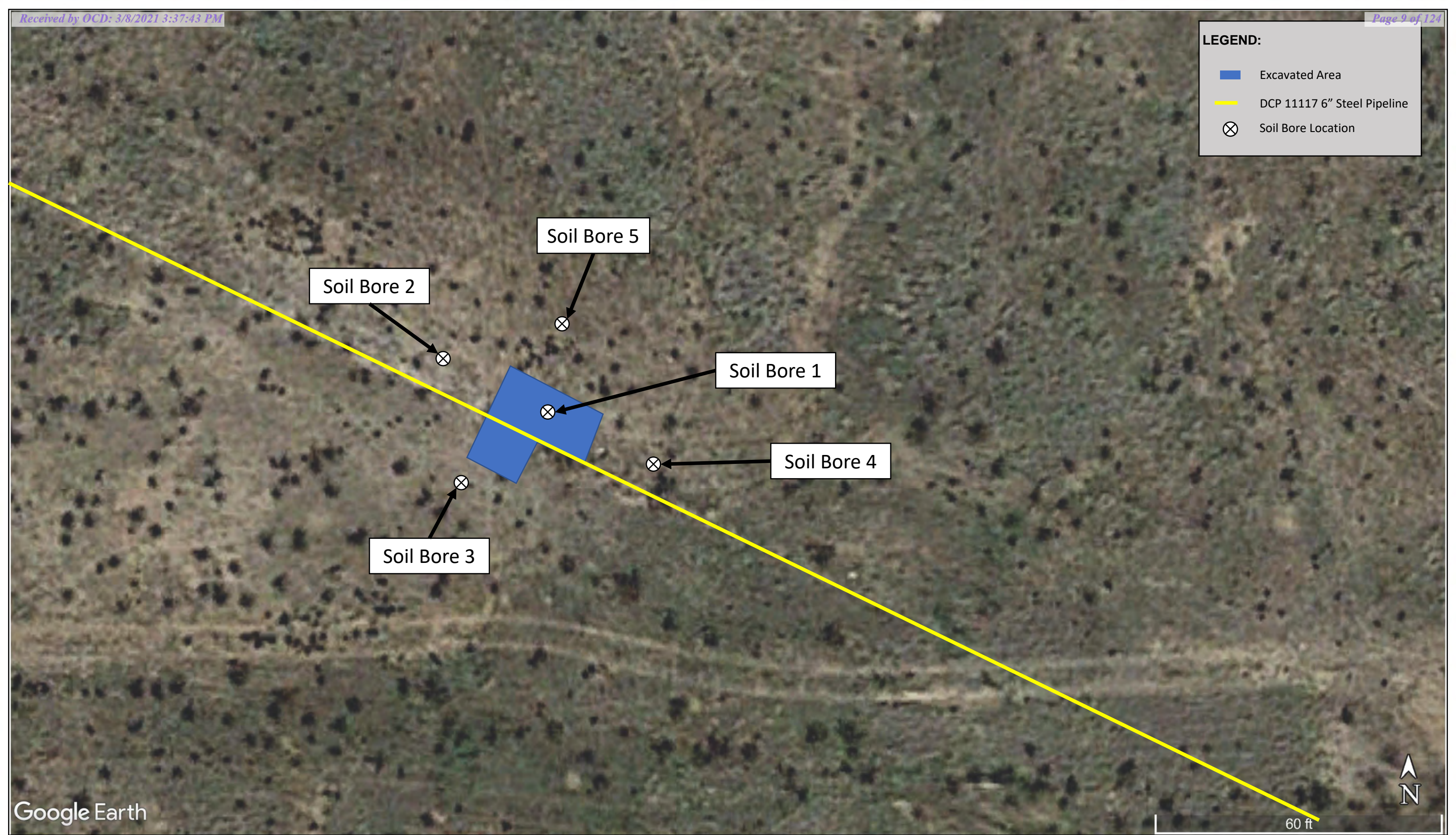
DATE: June 2020	 <div>Tasman Geosciences, Inc. 2620 W. Marland Blvd. Hobbs, NM 88240</div>	DCP Midstream 11117 Line Leak 2 GPS: 32.297758, -104.255832 UL "P", Section 14, Township 23 South, Range 26 East Eddy County, New Mexico	Site Characteristics Map	Figure 1
DESIGNED BY : KN				
DRAWN BY: KN <i>Released to Imaging: 6/30/2021 10:49:18 AM</i>				

LEGEND:

Excavated Area

DCP 11117 6" Steel Pipeline

Soil Bore Location



DATE: January 2021

DESIGNED BY : KN

DRAWN BY: KN

TASMAN
GEOSCIENCES

Tasman Geosciences, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240

DCP Midstream
11117 Line Leak 2
GPS: 32.297758, -104.255832
Lea County, New Mexico

Soil Bore Location
Map

Figure 2

Sample ID	Date Sampled	PID Readings (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - EXT DRO (mg/kg)	TPH ⁽³⁾ GRO/DRO/EXT DRO (mg/kg)	Chloride (mg/kg)
5 PT Comp. Bottom -1 @8'	1/29/2021	46.6	<0.050	<300.0	<10.0	58	19	77	32
5 PT Comp. Bottom -2 @ 5'	1/28/2021	1.2	<0.050	<300.0	<10.0	43	18	61	32
5 PT Comp. Bottom -3 @ 5'	1/28/2021	1.5	<0.050	<300.0	<10.0	21	<10.0	21	32
NMOCD Action Levels - Soil (mg/kg) ⁽¹⁾			10	50	-	-	-	100	600

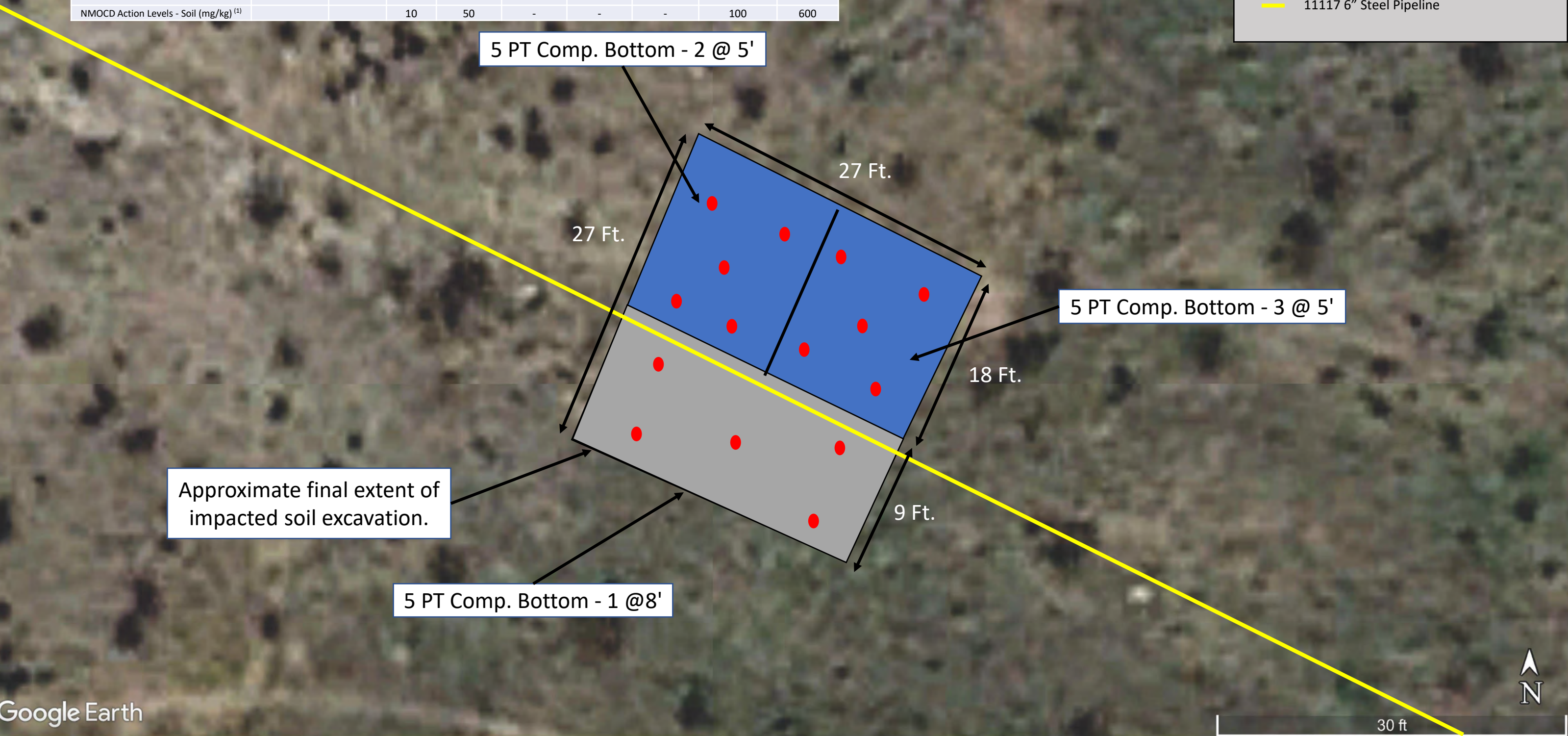
LEGEND:

Excavation Depth at ~5 Ft. bgs (~486 sq. ft.)

Excavation Depth at ~8 Ft. bgs (~243 sq. ft.)

5 Pt. Comp. Bottom Sample Point Location (~250 sq. ft.)

11117 6" Steel Pipeline

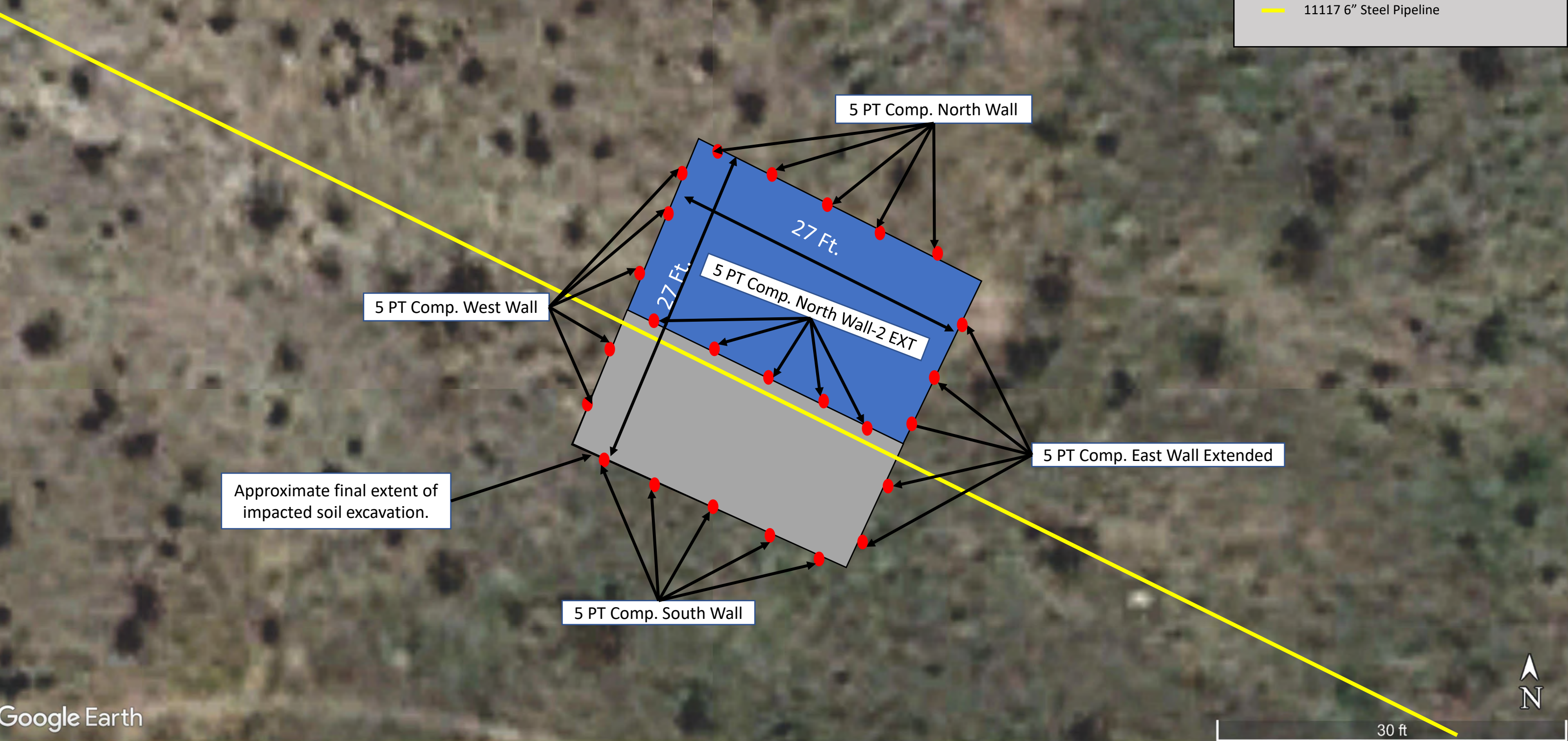


Google Earth

5 PT Comp. North Wall	1/28/2021	3.9	<0.050	<0.300	<10.0	15	<10.0	15	96
5 PT Comp. West Wall	1/28/2021	2.7	<0.050	<0.300	<10.0	23.9	<10.0	23.9	48
5 PT Comp. East Wall Extended	2/1/2021	20.3	<0.050	<0.300	<10.0	10.3	<10.0	10.3	32
5 PT Comp. South Wall	1/28/2021	3.9	<0.050	<0.300	<10.0	<10.0	18.8	18.8	16
5 PT Comp. North Wall - 2 EXT	2/4/2021	2.6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32
NMOCD Action Levels - Soil (mg/kg) ⁽¹⁾			10	50	-	-	-	100	600

LEGEND:

- Excavation Depth at ~5 Ft. bgs (~486 sq. ft.)
- Excavation Depth at ~8 Ft. bgs (~243 sq. ft.)
- 5 Pt. Comp. Sidewall Sample Point Location (~250 sq. ft.)
- 11117 6" Steel Pipeline



Google Earth

DATE: February 2021
DESIGNED BY : KN
DRAWN BY: KN
Released to Imaging: 6/30/2021 10:49:18 AM



Tasman Geosciences, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240

DCP Midstream
11117 Line Leak 2
GPS: 32.297758, -104.255832
UL "P", Section 14, Township 23 South, Range 26 East
Eddy County, New Mexico

Soil Confirmation
Sample Location Map
(Excavation Sidewalls)

Figure 3B

Appendices

Appendix A

Depth to Groundwater Results



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01572	C	ED		3	3	3	13	23S	26E	570245	3573761*	198	215		
C 02040	C	ED		3	3	3	13	23S	26E	570245	3573761*	198	264	185	79
C 02658 POD2	C	ED		3	3	3	13	23S	26E	570245	3573761*	198	252	211	41
C 01733	C	ED		1	3	3	13	23S	26E	570245	3573961*	332	247	197	50
C 01743	C	ED		1	3	3	13	23S	26E	570245	3573961*	332	250	196	54
C 02442	C	ED		1	3	3	13	23S	26E	570245	3573961*	332	276	200	76
C 04348 POD1	C	ED		3	1	3	13	23S	26E	570224	3574192	534	260		
C 03348	C	ED		1	3	3	13	23S	26E	570606	3573938	599	240	200	40
C 01832	C	ED			1	3	13	23S	26E	570345	3574268*	649	250	200	50
C 01672	C	ED			4	3	13	23S	26E	570750	3573861*	709	280	80	200
C 03323 POD1	C	ED		3	4	2	14	23S	26E	569909	3574479	811	275	205	70
C 01905	C	ED			2	3	13	23S	26E	570749	3574267*	900	300		
C 03071	C	ED			2	3	13	23S	26E	570749	3574267*	900	250	204	46
C 02052	C	ED		3	3	1	13	23S	26E	570242	3574573*	907	290		
C 04201 POD1	C	ED		4	4	2	14	23S	26E	569626	3574546	967	255	110	145
C 01626	C	ED			3	1	13	23S	26E	570343	3574674*	1029	246	198	48
C 01822	C	ED			3	1	13	23S	26E	570343	3574674*	1029	258	200	58
C 01822 POD2	C	ED			3	1	13	23S	26E	570343	3574674*	1029	228	212	16
C 01857	C	ED					13	23S	26E	570949	3574465*	1181	255	197	58
C 02232	C	ED					13	23S	26E	570949	3574465*	1181	240	200	40
C 02484 EXPL	CUB	ED			4	1	13	23S	26E	570747	3574672*	1202	280	175	105
C 01968	C	ED			1	4	1	13	23S	570646	3574771*	1234	247	200	47
C 02059	C	ED				1	13	23S	26E	570544	3574875*	1285	282	190	92
C 01851	C	ED			1	1	13	23S	26E	570341	3575080*	1424	258	207	51
C 02260	C	ED			1	1	13	23S	26E	570341	3575080*	1424	247	218	29
C 02537	C	ED			1	1	13	23S	26E	570341	3575080*	1424	280	210	70

*UTM location was derived from PLSS - see Help

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01825	C		ED	3	2	13	23S	26E		571151	3574670*	1468	243	221	22
C 01867	C		ED	1	1	1	13	23S	26E	570240	3575179*	1506	250	212	38
C 01762	C		ED	2	1	13	23S	26E		570746	3575078*	1553	260	191	69
C 01762 POD2	C		ED	2	1	13	23S	26E		570746	3575078*	1553	250	203	47
C 01765	C		ED	2	1	13	23S	26E		570746	3575078*	1553	350		
C 02444	C		ED	2	1	13	23S	26E		570746	3575078*	1553	250	177	73
C 02205	C		ED	1	2	1	13	23S	26E	570645	3575177*	1603	240	210	30
C 01015	C		ED	4	4	4	15	23S	26E	568408	3573714*	1655	318	245	73
C 03238	C		ED	4	4	4	15	23S	26E	568408	3573714*	1655	323	245	78
C 03396 POD1	C		ED	3	3	3	12	23S	26E	570231	3575341	1666	280	220	60
C 01642	C		ED	2	2	1	13	23S	26E	570845	3575177*	1686	303		

Average Depth to Water: **197 feet**

Minimum Depth: **80 feet**

Maximum Depth: **245 feet**

Record Count: 37

UTM NAD83 Radius Search (in meters):

Easting (X): 570063

Northing (Y): 3573683

Radius: 1700

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/29/20 3:41 PM

Page 2 of 2

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Appendix B

Laboratory Analytical Reports



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

January 15, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 01/12/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SOIL BORE 1 @ 5'	H210068-01	Soil	12-Jan-21 10:00	12-Jan-21 16:35
SOIL BORE 1 @ 10'	H210068-02	Soil	12-Jan-21 10:10	12-Jan-21 16:35
SOIL BORE 1 @ 15'	H210068-03	Soil	12-Jan-21 10:20	12-Jan-21 16:35
SOIL BORE 1 @ 30'	H210068-06	Soil	12-Jan-21 10:50	12-Jan-21 16:35
SOIL BORE 2 @ 5'	H210068-07	Soil	12-Jan-21 11:20	12-Jan-21 16:35
SOIL BORE 2 @ 10'	H210068-08	Soil	12-Jan-21 11:30	12-Jan-21 16:35
SOIL BORE 2 @ 15'	H210068-09	Soil	12-Jan-21 11:40	12-Jan-21 16:35
SOIL BORE 2 @ 20'	H210068-10	Soil	12-Jan-21 11:50	12-Jan-21 16:35
SOIL BORE 3 @ 5'	H210068-11	Soil	12-Jan-21 12:20	12-Jan-21 16:35
SOIL BORE 3 @ 10'	H210068-12	Soil	12-Jan-21 12:30	12-Jan-21 16:35
SOIL BORE 3 @ 15'	H210068-13	Soil	12-Jan-21 12:40	12-Jan-21 16:35
SOIL BORE 3 @ 20'	H210068-14	Soil	12-Jan-21 12:50	12-Jan-21 16:35
SOIL BORE 4 @ 5'	H210068-15	Soil	12-Jan-21 13:10	12-Jan-21 16:35
SOIL BORE 4 @ 10'	H210068-16	Soil	12-Jan-21 13:20	12-Jan-21 16:35
SOIL BORE 4 @ 15'	H210068-17	Soil	12-Jan-21 13:30	12-Jan-21 16:35
SOIL BORE 4 @ 20'	H210068-18	Soil	12-Jan-21 13:40	12-Jan-21 16:35

01/15/21 - Client added analyses to samples -03, -06, -09, -10, -13, -14, -17 and -18 on 01/14/21. This is the revised report and will replace the one sent on 01/13/21.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 1 @ 5'
H210068-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129 1011205 MS 13-Jan-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	23.1		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane 77.9 % 44.3-144 1011301 MS 13-Jan-21 8015B

Surrogate: 1-Chlorooctadecane 72.8 % 42.2-156 1011301 MS 13-Jan-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 1 @ 10'**H210068-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.7 %		73.3-129	1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	17.5		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane			92.0 %		44.3-144	1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			86.8 %		42.2-156	1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 1 @ 15'**H210068-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.4 %		73.3-129	1011407	MS	14-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane			95.0 %		44.3-144	1011410	MS	14-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			90.1 %		42.2-156	1011410	MS	14-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 1 @ 30'**H210068-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %		73.3-129			1011407	MS	14-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	21.7		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane	94.6 %		44.3-144			1011410	MS	14-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane	89.2 %		42.2-156			1011410	MS	14-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 2 @ 5'**H210068-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %		73.3-129	1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane			75.2 %		44.3-144	1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			71.0 %		42.2-156	1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 2 @ 10'**H210068-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.8 %		73.3-129			1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane	79.9 %		44.3-144			1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane	74.4 %		42.2-156			1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 2 @ 15'**H210068-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.1 %		73.3-129	1011407	MS	14-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane			97.8 %		44.3-144	1011410	MS	14-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			96.3 %		42.2-156	1011410	MS	14-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 2 @ 20'**H210068-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.3 %		73.3-129	1011407	MS	14-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane			102 %		44.3-144	1011410	MS	14-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			99.6 %		42.2-156	1011410	MS	14-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 3 @ 5'**H210068-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %	73.3-129		1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane			73.4 %	44.3-144		1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			69.5 %	42.2-156		1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 3 @ 10'**H210068-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %		73.3-129			1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane	79.2 %		44.3-144			1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane	74.0 %		42.2-156			1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 3 @ 15'**H210068-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129 1011407 MS 14-Jan-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane 96.6 % 44.3-144 1011410 MS 14-Jan-21 8015B

Surrogate: 1-Chlorooctadecane 95.3 % 42.2-156 1011410 MS 14-Jan-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 3 @ 20'**H210068-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 1011407 MS 14-Jan-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane 98.2 % 44.3-144 1011410 MS 14-Jan-21 8015B

Surrogate: 1-Chlorooctadecane 94.7 % 42.2-156 1011410 MS 14-Jan-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 4 @ 5'**H210068-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.7 %		73.3-129	1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane			71.5 %		44.3-144	1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			66.6 %		42.2-156	1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 4 @ 10'**H210068-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.3 %		73.3-129			1011205	MS	13-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	

Surrogate: 1-Chlorooctane	79.3 %		44.3-144			1011301	MS	13-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane	74.1 %		42.2-156			1011301	MS	13-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 4 @ 15'**H210068-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.9 %		73.3-129			1011407	MS	14-Jan-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane	91.5 %		44.3-144			1011410	MS	14-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane	87.6 %		42.2-156			1011410	MS	14-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

SOIL BORE 4 @ 20'**H210068-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1011411	GM	14-Jan-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011407	MS	14-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011407	MS	14-Jan-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129 1011407 MS 14-Jan-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011410	MS	14-Jan-21	8015B	

Surrogate: 1-Chlorooctane 89.3 % 44.3-144 1011410 MS 14-Jan-21 8015B

Surrogate: 1-Chlorooctadecane 90.5 % 42.2-156 1011410 MS 14-Jan-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 1011302 - 1:4 DI Water**Blank (1011302-BLK1)**

Prepared & Analyzed: 13-Jan-21

Chloride	ND	16.0	mg/kg						
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LCS (1011302-BS1)

Prepared & Analyzed: 13-Jan-21

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (1011302-BSD1)

Prepared & Analyzed: 13-Jan-21

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20	
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Batch 1011411 - 1:4 DI Water**Blank (1011411-BLK1)**

Prepared & Analyzed: 14-Jan-21

Chloride	ND	16.0	mg/kg						
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LCS (1011411-BS1)

Prepared & Analyzed: 14-Jan-21

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (1011411-BSD1)

Prepared & Analyzed: 14-Jan-21

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20	
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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1011205 - Volatiles**Blank (1011205-BLK1)**

Prepared: 12-Jan-21 Analyzed: 13-Jan-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.0	73.3-129			

LCS (1011205-BS1)

Prepared: 12-Jan-21 Analyzed: 13-Jan-21

Benzene	2.01	0.050	mg/kg	2.00		101	72.2-131			
Toluene	1.99	0.050	mg/kg	2.00		99.7	71.7-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	68.9-126			
Total Xylenes	5.65	0.150	mg/kg	6.00		94.1	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.2	73.3-129			

LCS Dup (1011205-BSD1)

Prepared: 12-Jan-21 Analyzed: 13-Jan-21

Benzene	2.14	0.050	mg/kg	2.00		107	72.2-131	6.08	14.6	
Toluene	2.12	0.050	mg/kg	2.00		106	71.7-126	6.23	17.4	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	68.9-126	6.23	18.9	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.9	71.4-125	5.91	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0481		mg/kg	0.0500		96.1	73.3-129			

Batch 1011407 - Volatiles**Blank (1011407-BLK1)**

Prepared & Analyzed: 14-Jan-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.4	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1011407 - Volatiles**LCS (1011407-BS1)**

Prepared & Analyzed: 14-Jan-21

Benzene	2.07	0.050	mg/kg	2.00		104	72.2-131			
Toluene	2.07	0.050	mg/kg	2.00		103	71.7-126			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	68.9-126			
Total Xylenes	5.87	0.150	mg/kg	6.00		97.8	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0462		mg/kg	0.0500		92.4	73.3-129			

LCS Dup (1011407-BSD1)

Prepared & Analyzed: 14-Jan-21

Benzene	2.17	0.050	mg/kg	2.00		109	72.2-131	4.57	14.6	
Toluene	2.17	0.050	mg/kg	2.00		108	71.7-126	4.66	17.4	
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	68.9-126	4.93	18.9	
Total Xylenes	6.14	0.150	mg/kg	6.00		102	71.4-125	4.52	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0476		mg/kg	0.0500		95.3	73.3-129			

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1011301 - General Prep - Organics**Blank (1011301-BLK1)**

Prepared & Analyzed: 13-Jan-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0		90.0	44.3-144			
Surrogate: 1-Chlorooctadecane	41.9		mg/kg	50.0		83.8	42.2-156			

LCS (1011301-BS1)

Prepared & Analyzed: 13-Jan-21

GRO C6-C10	231	10.0	mg/kg	200		116	83.7-135			
DRO >C10-C28	221	10.0	mg/kg	200		110	80.4-133			
Total TPH C6-C28	452	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	44.3-144			
Surrogate: 1-Chlorooctadecane	43.3		mg/kg	50.0		86.6	42.2-156			

LCS Dup (1011301-BS1)

Prepared & Analyzed: 13-Jan-21

GRO C6-C10	221	10.0	mg/kg	200		110	83.7-135	4.52	13.8	
DRO >C10-C28	214	10.0	mg/kg	200		107	80.4-133	2.99	22.1	
Total TPH C6-C28	435	10.0	mg/kg	400		109	83.1-133	3.77	17.7	
Surrogate: 1-Chlorooctane	43.9		mg/kg	50.0		87.9	44.3-144			
Surrogate: 1-Chlorooctadecane	42.1		mg/kg	50.0		84.1	42.2-156			

Batch 1011410 - General Prep - Organics**Blank (1011410-BLK1)**

Prepared & Analyzed: 14-Jan-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.3	44.3-144			
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.6	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
15-Jan-21 09:23

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1011410 - General Prep - Organics**LCS (1011410-BS1)**

Prepared & Analyzed: 14-Jan-21

GRO C6-C10	220	10.0	mg/kg	200		110	83.7-135			
DRO >C10-C28	225	10.0	mg/kg	200		112	80.4-133			
Total TPH C6-C28	444	10.0	mg/kg	400		111	83.1-133			
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	42.2-156			

LCS Dup (1011410-BS1)

Prepared & Analyzed: 14-Jan-21

GRO C6-C10	223	10.0	mg/kg	200		111	83.7-135	1.44	13.8	
DRO >C10-C28	225	10.0	mg/kg	200		113	80.4-133	0.270	22.1	
Total TPH C6-C28	448	10.0	mg/kg	400		112	83.1-133	0.852	17.7	
Surrogate: 1-Chlorooctane	48.7		mg/kg	50.0		97.4	44.3-144			
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0		96.6	42.2-156			

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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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ORDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences

Project Manager: Kyle Norman

Address: 2620 W. Marland Blvd.

City: Hobbs

Phone #: 575-318-5017

Project #: NRM2016954249

Project Name: 11117 Line Leak 2

Project Location:

Sampler Name: Becky Griffin

P.O. #:

Company: Tasman Geo

Attn: Kyle Norman

Address: 2620 W. Marland

City: Hobbs

State: NM **Zip:** 88240

Phone #: 575-318-5017

Fax #:

Lab I.D. **Sample I.D.**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS	HOLD	RUSH	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :											
11	Soil Bore 3 @ 5'		1	✓						1/12/21	1220	✓	✓	✓					✓	
12	Soil Bore 3 @ 10'		1	✓							1230	✓	✓	✓					✓	
13	Soil Bore 3 @ 15'		1	✓							1240	✓	✓	✓					✓	
14	Soil Bore 3 @ 20'		1	✓							1250	✓	✓	✓					✓	
15	Soil Bore 4 @ 5'		1	✓							1310	✓	✓	✓					✓	
16	Soil Bore 4 @ 10'		1	✓							1320	✓	✓	✓					✓	
17	Soil Bore 4 @ 15'		1	✓							1330	✓	✓	✓					✓	
18	Soil Bore 4 @ 20'		1	✓							1340	✓	✓	✓					✓	

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Relinquished By: *[Signature]*

Date: 1-12-21

Time: 1635

Received By: *[Signature]*

Date:

Time:

Delivered By: (Circle One) **Sample Condition**

Sampler - UPS - Bus - Other: Cool ☒ Intact ☒

Yes ☒ No ☐ Yes ☒ No ☐

CHECKED BY: *[Signature]* **REMARKS:**

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

Fax Result: ☐ Yes ☒ No Add'l Fax #:

email results: knorman@tasman-geo.com;
bgriffin@tasman-geo.com
Weathers, Stephen W
<SWWeathers@dcpmidstream.com>



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

January 14, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 01/13/21 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: DCP - 11117 LINE LEAK 2
 Project Number: NRM2016954249
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SOIL BORE - 5 @ 5' (H210081-01)

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	01/13/2021	ND	2.01	100	2.00	0.534	
Toluene*	<0.050	0.050	01/13/2021	ND	2.01	100	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/13/2021	ND	1.96	97.9	2.00	0.915	
Total Xylenes*	<0.150	0.150	01/13/2021	ND	5.75	95.9	6.00	1.20	
Total BTEX	<0.300	0.300	01/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2021	ND	416	104	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	01/13/2021	ND	208	104	200	5.97	
DRO >C10-C28*	<10.0	10.0	01/13/2021	ND	209	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	01/13/2021	ND					

Surrogate: 1-Chlorooctane 72.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.6 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: DCP - 11117 LINE LEAK 2
 Project Number: NRM2016954249
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SOIL BORE - 5 @ 10' (H210081-02)

BTX 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	01/13/2021	ND	2.01	100	2.00	0.534	
Toluene*	<0.050	0.050	01/13/2021	ND	2.01	100	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/13/2021	ND	1.96	97.9	2.00	0.915	
Total Xylenes*	<0.150	0.150	01/13/2021	ND	5.75	95.9	6.00	1.20	
Total BTX	<0.300	0.300	01/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/14/2021	ND	416	104	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	01/13/2021	ND	208	104	200	5.97	
DRO >C10-C28*	<10.0	10.0	01/13/2021	ND	209	105	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	01/13/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: DCP - 11117 LINE LEAK 2
 Project Number: NRM2016954249
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SOIL BORE - 5 @ 15' (H210081-03)

BTX 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	01/13/2021	ND	2.01	100	2.00	0.534	
Toluene*	<0.050	0.050	01/13/2021	ND	2.01	100	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/13/2021	ND	1.96	97.9	2.00	0.915	
Total Xylenes*	<0.150	0.150	01/13/2021	ND	5.75	95.9	6.00	1.20	
Total BTX	<0.300	0.300	01/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/14/2021	ND	416	104	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	01/14/2021	ND	220	110	200	0.0774	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	204	102	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
 KYLE NORMAN
 6899 PECOS ST. UNIT C
 DENVER CO, 80221
 Fax To:

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: DCP - 11117 LINE LEAK 2
 Project Number: NRM2016954249
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SOIL BORE - 5 @ 20' (H210081-04)

BTX 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	01/13/2021	ND	2.01	100	2.00	0.534	
Toluene*	<0.050	0.050	01/13/2021	ND	2.01	100	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/13/2021	ND	1.96	97.9	2.00	0.915	
Total Xylenes*	<0.150	0.150	01/13/2021	ND	5.75	95.9	6.00	1.20	
Total BTX	<0.300	0.300	01/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/14/2021	ND	416	104	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	01/14/2021	ND	220	110	200	0.0774	
DRO >C10-C28*	<10.0	10.0	01/14/2021	ND	204	102	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/14/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.9 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

February 02, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 01/28/21 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP BOTTOM - 1 @ 5'	H210208-01	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5 PT COMP BOTTOM - 2 @ 5'	H210208-02	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5 PT COMP BOTTOM - 3 @ 5'	H210208-03	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5PT. COMP NORTH WALL	H210208-04	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5PT. COMP WEST WALL	H210208-05	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5PT. COMP EAST WALL	H210208-06	Soil	28-Jan-21 00:00	28-Jan-21 13:45
5PT. COMP SOUTH WALL	H210208-07	Soil	28-Jan-21 00:00	28-Jan-21 13:45

02/02/21 - BTEX and Chlorides were added to samples -02, -03, -04, -05 and -07 on 02/01/21. This is the revised report and will replace the one sent on 01/29/21.

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

5 PT COMP BOTTOM - 1 @ 5'
H210208-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	12.3		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	1610		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	382		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
Surrogate: 1-Chlorooctane			98.0 %	44.3-144		1012802	MS	28-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			200 %	42.2-156		1012802	MS	28-Jan-21	8015B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

5 PT COMP BOTTOM - 2 @ 5'**H210208-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		1020113	MS	01-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	43.4		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	17.7		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	

Surrogate: 1-Chlorooctane			95.9 %	44.3-144		1012802	MS	28-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	42.2-156		1012802	MS	28-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

5 PT COMP BOTTOM - 3 @ 5'**H210208-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		1020113	MS	01-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	21.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	

Surrogate: 1-Chlorooctane			98.2 %	44.3-144		1012802	MS	28-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	42.2-156		1012802	MS	28-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

SPT. COMP NORTH WALL**H210208-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.3-129	1020113	MS	01-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	14.6		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	

Surrogate: 1-Chlorooctane			98.5 %		44.3-144	1012802	MS	28-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			102 %		42.2-156	1012802	MS	28-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

SPT. COMP WEST WALL**H210208-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %	73.3-129		1020113	MS	01-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	23.9		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	

Surrogate: 1-Chlorooctane			99.2 %	44.3-144		1012802	MS	28-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	42.2-156		1012802	MS	28-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

5PT. COMP EAST WALL**H210208-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	125		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	39.7		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
Surrogate: 1-Chlorooctane			97.2 %	44.3-144		1012802	MS	28-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			119 %	42.2-156		1012802	MS	28-Jan-21	8015B	

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

5PT. COMP SOUTH WALL**H210208-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		1020113	MS	01-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
DRO >C10-C28*	18.8		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012802	MS	28-Jan-21	8015B	

Surrogate: 1-Chlorooctane			103 %	44.3-144		1012802	MS	28-Jan-21	8015B	
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Surrogate: 1-Chlorooctadecane			111 %	42.2-156		1012802	MS	28-Jan-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1020118 - 1:4 DI Water									
Blank (1020118-BLK1)					Prepared & Analyzed: 01-Feb-21				
Chloride	ND	16.0	mg/kg						
LCS (1020118-BS1)					Prepared & Analyzed: 01-Feb-21				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (1020118-BSD1)					Prepared & Analyzed: 01-Feb-21				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020113 - Volatiles**Blank (1020113-BLK1)**

Prepared & Analyzed: 01-Feb-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	73.3-129			

LCS (1020113-BS1)

Prepared & Analyzed: 01-Feb-21

Benzene	2.24	0.050	mg/kg	2.00		112	72.2-131			
Toluene	2.18	0.050	mg/kg	2.00		109	71.7-126			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	68.9-126			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	73.3-129			

LCS Dup (1020113-BSD1)

Prepared & Analyzed: 01-Feb-21

Benzene	2.13	0.050	mg/kg	2.00		106	72.2-131	5.45	14.6	
Toluene	2.07	0.050	mg/kg	2.00		104	71.7-126	5.03	17.4	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126	4.86	18.9	
Total Xylenes	6.03	0.150	mg/kg	6.00		100	71.4-125	4.55	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:36

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1012802 - General Prep - Organics**Blank (1012802-BLK1)**

Prepared & Analyzed: 28-Jan-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.5		mg/kg	50.0		87.0	44.3-144			
Surrogate: 1-Chlorooctadecane	47.1		mg/kg	50.0		94.2	42.2-156			

LCS (1012802-BS1)

Prepared & Analyzed: 28-Jan-21

GRO C6-C10	223	10.0	mg/kg	200		111	83.7-135			
DRO >C10-C28	218	10.0	mg/kg	200		109	80.4-133			
Total TPH C6-C28	440	10.0	mg/kg	400		110	83.1-133			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	44.3-144			
Surrogate: 1-Chlorooctadecane	55.8		mg/kg	50.0		112	42.2-156			

LCS Dup (1012802-BS1)

Prepared & Analyzed: 28-Jan-21

GRO C6-C10	221	10.0	mg/kg	200		110	83.7-135	0.872	13.8	
DRO >C10-C28	218	10.0	mg/kg	200		109	80.4-133	0.0900	22.1	
Total TPH C6-C28	439	10.0	mg/kg	400		110	83.1-133	0.395	17.7	
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0		104	44.3-144			
Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	42.2-156			

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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

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A handwritten signature in cursive script, reading "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

ORDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences, LLC				P.O. #:	BILL TO		ANALYSIS REQUEST											
Project Manager: Kyle Norman				Company: Tasman Geo														
Address: 2620 W Marland Blvd				Attn: Kyle Norman														
City: Hobbs				Address: 2620 W. Marland														
Phone #: 575-318-5017				Fax #:														
Project #: NRM 2016954249				Project Owner: DCP Midstream														
Project Name: DCP				State: NM Zip: 88240														
Project Location: 11117 Line Leak 2				Phone #: 575-318-5017														
Sample Name: Becky Griffin				Fax #:														
<small>FOR LAB USE ONLY</small>																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :									ACID/BASE:
1	5 PT Comp. Bottom-1 @ 5'		1	✓						1/28/21		X	✓					
2	5 PT Comp. Bottom-2 @ 5'		1	✓						1/28/21		X	✓					
3	5 PT Comp. Bottom-3 @ 5'		1	✓						1/28/21		X	✓					
4	5 PT Comp. North Wall		1	✓						1/28/21		X	✓					
5	5 PT Comp. West Wall		1	✓						1/28/21		X	✓					
6	5 PT Comp. East Wall		1	✓						1/28/21		X	✓					
7	5 PT Comp. South Wall		1	✓						1/28/21		X	✓					

PLEASE NOTE: Liability and Damages. Cardholder's liability and client's exclusive remedy for any claim arising under this contract or order shall be limited to the amount paid by the client for the service. In no event shall Cardholder be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries or successors arising out of or related to the performance of services hereunder by Cardholder, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: _____ **Date:** 1-28-21 **Received By:** _____

Backlog: _____ **Date:** 1-28-21 **Received By:** _____

Delivered By: (Circle One) **Sample Condition:** Cool ☒ Intact ☐
Sampler - UPS - Bus - Other: ☒ Yes ☐ No ☐ Yes ☐ No

CHECKED BY: _____ (Initials)

REMARKS: email results to: knorman@tasman-geo.com,
bgiffin@tasman-geo.com,
SWWeathers@dcpmidstream.com



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

February 02, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 01/29/21 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:Reported:
02-Feb-21 09:41

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP BOTTOM - 1 @ 8'	H210222-01	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP EAST WALL EXTENDED	H210222-02	Soil	29-Jan-21 00:00	29-Jan-21 14:40

02/02/21 - BTEX and Chloride was added to sample -01 on 02/01/21. This is the revised report and will replace the one sent on 02/01/21.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:41

5 PT COMP BOTTOM - 1 @ 8'
H210222-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 1020113 MS 01-Feb-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
DRO >C10-C28*	58.4		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	19.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	

Surrogate: 1-Chlorooctane 99.5 % 44.3-144 1012901 MS 29-Jan-21 8015B

Surrogate: 1-Chlorooctadecane 110 % 42.2-156 1012901 MS 29-Jan-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:41

5 PT COMP EAST WALL EXTENDED**H210222-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
DRO >C10-C28*	93.4		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	21.1		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			105 %	44.3-144		1012901	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			115 %	42.2-156		1012901	MS	29-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:41

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1020118 - 1:4 DI Water									
Blank (1020118-BLK1)									
					Prepared & Analyzed: 01-Feb-21				
Chloride	ND	16.0	mg/kg						
LCS (1020118-BS1)									
					Prepared & Analyzed: 01-Feb-21				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (1020118-BSD1)									
					Prepared & Analyzed: 01-Feb-21				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:41

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1020113 - Volatiles**Blank (1020113-BLK1)**

Prepared & Analyzed: 01-Feb-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	73.3-129			

LCS (1020113-BS1)

Prepared & Analyzed: 01-Feb-21

Benzene	2.24	0.050	mg/kg	2.00		112	72.2-131			
Toluene	2.18	0.050	mg/kg	2.00		109	71.7-126			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	68.9-126			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	73.3-129			

LCS Dup (1020113-BSD1)

Prepared & Analyzed: 01-Feb-21

Benzene	2.13	0.050	mg/kg	2.00		106	72.2-131	5.45	14.6	
Toluene	2.07	0.050	mg/kg	2.00		104	71.7-126	5.03	17.4	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126	4.86	18.9	
Total Xylenes	6.03	0.150	mg/kg	6.00		100	71.4-125	4.55	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
02-Feb-21 09:41

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1012901 - General Prep - Organics**Blank (1012901-BLK1)**

Prepared & Analyzed: 29-Jan-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.3		mg/kg	50.0		84.6	44.3-144			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.0	42.2-156			

LCS (1012901-BS1)

Prepared & Analyzed: 29-Jan-21

GRO C6-C10	218	10.0	mg/kg	200		109	83.7-135			
DRO >C10-C28	211	10.0	mg/kg	200		105	80.4-133			
Total TPH C6-C28	429	10.0	mg/kg	400		107	83.1-133			
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	44.3-144			
Surrogate: 1-Chlorooctadecane	52.3		mg/kg	50.0		105	42.2-156			

LCS Dup (1012901-BS1)

Prepared & Analyzed: 29-Jan-21

GRO C6-C10	233	10.0	mg/kg	200		116	83.7-135	6.50	13.8	
DRO >C10-C28	221	10.0	mg/kg	200		110	80.4-133	4.66	22.1	
Total TPH C6-C28	454	10.0	mg/kg	400		113	83.1-133	5.60	17.7	
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	44.3-144			
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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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

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Celey D. Keene, Lab Director/Quality Manager



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2111 Beechwood, Abilene, TX 79603
101 East Marland, Hobbs, NM 88240
FAX (805) 679-7004 FAX (325) 673-7020

01 East Mainland, Hobbs, NM 88401 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

BILL TO

ANALYSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences, LLC Project Manager: Kyle Norman Address: 2620 W Marland Blvd City: Hobbs Phone #: 575-318-5017 Fax #: Project #: NRM 2016954249 Project Owner: DCP Midstream Project Name: DCP Project Location: 11117 Line Leak 2 Sampler Name: Becky Griffin										P.O. #: Company: Tasman Geo Attn: Kyle Norman Address: 2620 W. Marland City: Hobbs State: NM Zip: 88240 Phone #: 575-318-5017 Fax #:									
FOR LAB USE ONLY										BILL TO									
Lab I.D. Sample I.D.										ANALYSIS REQUEST									
1 5 PT Comp. Bottom-1 @ 8' 2 5 PT Comp East Wall Extended										Chlorides <i>added 2/1</i> TPH 8015 M BTEX <i>added 2/1</i> Texas TPH CompleteCations/Anions TDS RUSH HOLD									
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME										MATRIX PRESERV SAMPLING									
1 1 2 1										1/29/21 1/29/21									
Relinquished By:										RECEIVED BY:									
Relinquished By:										RECEIVED BY:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:										Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials)									
REMARKS:										email results to: knorman@tasman-geo.com, bgiffin@tasman-geo.com, SWWeathers@dcpmidstream.com									



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

February 04, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 02/01/21 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:Reported:
04-Feb-21 09:15

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP EAST WALL EXTENDED	H210247-01	Soil	01-Feb-21 00:00	01-Feb-21 15:35

02/04/21 - Client added BTEX and Chloride on 02/03/21. This is the revised report and will replace the one sent on 02/02/21.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
04-Feb-21 09:15

5 PT COMP EAST WALL EXTENDED
H210247-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1020309	GM	03-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020304	MS	03-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020304	MS	03-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020304	MS	03-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020304	MS	03-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020304	MS	03-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		1020304	MS	03-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1020116	MS	02-Feb-21	8015B	
DRO >C10-C28*	10.3		10.0	mg/kg	1	1020116	MS	02-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1020116	MS	02-Feb-21	8015B	

Surrogate: 1-Chlorooctane			95.4 %	44.3-144		1020116	MS	02-Feb-21	8015B	
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Surrogate: 1-Chlorooctadecane			95.2 %	42.2-156		1020116	MS	02-Feb-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
04-Feb-21 09:15

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1020309 - 1:4 DI Water									
Blank (1020309-BLK1)					Prepared & Analyzed: 03-Feb-21				
Chloride	ND	16.0	mg/kg						
LCS (1020309-BS1)					Prepared & Analyzed: 03-Feb-21				
Chloride	432	16.0	mg/kg	400		108	80-120		
LCS Dup (1020309-BSD1)					Prepared & Analyzed: 03-Feb-21				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
04-Feb-21 09:15

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020304 - Volatiles**Blank (1020304-BLK1)**

Prepared & Analyzed: 03-Feb-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.5	73.3-129			

LCS (1020304-BS1)

Prepared & Analyzed: 03-Feb-21

Benzene	2.14	0.050	mg/kg	2.00		107	72.2-131			
Toluene	2.11	0.050	mg/kg	2.00		105	71.7-126			
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	68.9-126			
Total Xylenes	6.01	0.150	mg/kg	6.00		100	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	73.3-129			

LCS Dup (1020304-BSD1)

Prepared & Analyzed: 03-Feb-21

Benzene	2.26	0.050	mg/kg	2.00		113	72.2-131	5.17	14.6	
Toluene	2.22	0.050	mg/kg	2.00		111	71.7-126	5.06	17.4	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	68.9-126	5.27	18.9	
Total Xylenes	6.30	0.150	mg/kg	6.00		105	71.4-125	4.84	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.5	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
04-Feb-21 09:15

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020116 - General Prep - Organics**Blank (1020116-BLK1)**

Prepared: 01-Feb-21 Analyzed: 02-Feb-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	44.3-144			
Surrogate: 1-Chlorooctadecane	54.1		mg/kg	50.0		108	42.2-156			

LCS (1020116-BS1)

Prepared: 01-Feb-21 Analyzed: 02-Feb-21

GRO C6-C10	170	10.0	mg/kg	200		84.9	83.7-135			
DRO >C10-C28	174	10.0	mg/kg	200		87.1	80.4-133			
Total TPH C6-C28	344	10.0	mg/kg	400		86.0	83.1-133			
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	44.3-144			
Surrogate: 1-Chlorooctadecane	57.3		mg/kg	50.0		115	42.2-156			

LCS Dup (1020116-BSD1)

Prepared: 01-Feb-21 Analyzed: 02-Feb-21

GRO C6-C10	187	10.0	mg/kg	200		93.5	83.7-135	9.64	13.8	
DRO >C10-C28	190	10.0	mg/kg	200		95.1	80.4-133	8.81	22.1	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	83.1-133	9.22	17.7	
Surrogate: 1-Chlorooctane	55.6		mg/kg	50.0		111	44.3-144			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	42.2-156			

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ORDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

February 09, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 2

Enclosed are the results of analyses for samples received by the laboratory on 02/05/21 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:Reported:
09-Feb-21 16:54

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5PT. COMP NORTH WALL - 2 EXT	H210307-01	Soil	04-Feb-21 00:00	05-Feb-21 15:35

02/09/21 - Client added BTEX and Chlorides on 02/09/21. This is the revised report and will replace the one sent on 02/08/21.

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
09-Feb-21 16:54

5PT. COMP NORTH WALL - 2 EXT
H210307-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1020915	AC	09-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1020811	MS	09-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020811	MS	09-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020811	MS	09-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020811	MS	09-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020811	MS	09-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 1020811 MS 09-Feb-21 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1020518	MS	06-Feb-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1020518	MS	06-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1020518	MS	06-Feb-21	8015B	

Surrogate: 1-Chlorooctane 89.0 % 44.3-144 1020518 MS 06-Feb-21 8015B

Surrogate: 1-Chlorooctadecane 89.6 % 42.2-156 1020518 MS 06-Feb-21 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
09-Feb-21 16:54

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1020915 - 1:4 DI Water									
Blank (1020915-BLK1)					Prepared & Analyzed: 09-Feb-21				
Chloride	ND	16.0	mg/kg						
LCS (1020915-BS1)					Prepared & Analyzed: 09-Feb-21				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (1020915-BSD1)					Prepared & Analyzed: 09-Feb-21				
Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
09-Feb-21 16:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020811 - Volatiles**Blank (1020811-BLK1)**

Prepared: 08-Feb-21 Analyzed: 09-Feb-21

Benzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	73.3-129		

LCS (1020811-BS1)

Prepared: 08-Feb-21 Analyzed: 09-Feb-21

Benzene	2.32	0.050	mg/kg	2.00		116	72.2-131		
Toluene	2.29	0.050	mg/kg	2.00		114	71.7-126		
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	68.9-126		
Total Xylenes	6.47	0.150	mg/kg	6.00		108	71.4-125		
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.3	73.3-129		

LCS Dup (1020811-BSD1)

Prepared: 08-Feb-21 Analyzed: 09-Feb-21

Benzene	2.30	0.050	mg/kg	2.00		115	72.2-131	0.889	14.6
Toluene	2.26	0.050	mg/kg	2.00		113	71.7-126	1.05	17.4
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	68.9-126	0.789	18.9
Total Xylenes	6.42	0.150	mg/kg	6.00		107	71.4-125	0.788	18.5
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.7	73.3-129		

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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 2
Project Number: NRM2016954249
Project Manager: KYLE NORMAN
Fax To:

Reported:
09-Feb-21 16:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020518 - General Prep - Organics**Blank (1020518-BLK1)**

Prepared: 05-Feb-21 Analyzed: 06-Feb-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.7		mg/kg	50.0		111	44.3-144			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	42.2-156			

LCS (1020518-BS1)

Prepared: 05-Feb-21 Analyzed: 06-Feb-21

GRO C6-C10	231	10.0	mg/kg	200		115	83.7-135			
DRO >C10-C28	232	10.0	mg/kg	200		116	80.4-133			
Total TPH C6-C28	463	10.0	mg/kg	400		116	83.1-133			
Surrogate: 1-Chlorooctane	45.1		mg/kg	50.0		90.1	44.3-144			
Surrogate: 1-Chlorooctadecane	45.2		mg/kg	50.0		90.4	42.2-156			

LCS Dup (1020518-BS1)

Prepared: 05-Feb-21 Analyzed: 06-Feb-21

GRO C6-C10	235	10.0	mg/kg	200		117	83.7-135	1.91	13.8	
DRO >C10-C28	234	10.0	mg/kg	200		117	80.4-133	0.891	22.1	
Total TPH C6-C28	469	10.0	mg/kg	400		117	83.1-133	1.40	17.7	
Surrogate: 1-Chlorooctane	46.3		mg/kg	50.0		92.6	44.3-144			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.0	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

ORDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

February 22, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 1-3

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:Reported:
22-Feb-21 10:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP IMPORTED TOP SOIL	H210314-01	Soil	08-Feb-21 00:00	08-Feb-21 15:00

02/22/21 - Client added BTEX and Chloride on 02/19/21. This is the revised report and will replace the one sent on 02/09/21.

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
22-Feb-21 10:24

5 PT COMP IMPORTED TOP SOIL
H210314-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	1021905	GM	22-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1021902	MS	19-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3-129		1021902	MS	19-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	

Surrogate: 1-Chlorooctane			98.2 %	44.3-144		1020824	MS	09-Feb-21	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	42.2-156		1020824	MS	09-Feb-21	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
22-Feb-21 10:24

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021905 - 1:4 DI Water										
Blank (1021905-BLK1)										
					Prepared & Analyzed: 19-Feb-21					
Chloride	ND	16.0	mg/kg							
LCS (1021905-BS1)										
					Prepared & Analyzed: 19-Feb-21					
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1021905-BSD1)										
					Prepared & Analyzed: 19-Feb-21					
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
22-Feb-21 10:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1021902 - Volatiles**Blank (1021902-BLK1)**

Prepared & Analyzed: 19-Feb-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	73.3-129			

LCS (1021902-BS1)

Prepared & Analyzed: 19-Feb-21

Benzene	2.09	0.050	mg/kg	2.00		105	72.2-131			
Toluene	2.07	0.050	mg/kg	2.00		103	71.7-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	68.9-126			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	73.3-129			

LCS Dup (1021902-BSD1)

Prepared & Analyzed: 19-Feb-21

Benzene	2.17	0.050	mg/kg	2.00		108	72.2-131	3.61	14.6	
Toluene	2.15	0.050	mg/kg	2.00		108	71.7-126	4.14	17.4	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	68.9-126	3.95	18.9	
Total Xylenes	6.07	0.150	mg/kg	6.00		101	71.4-125	3.93	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
22-Feb-21 10:24

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1020824 - General Prep - Organics**Blank (1020824-BLK1)**

Prepared & Analyzed: 08-Feb-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.8		mg/kg	50.0		93.7	44.3-144			
Surrogate: 1-Chlorooctadecane	47.3		mg/kg	50.0		94.6	42.2-156			

LCS (1020824-BS1)

Prepared & Analyzed: 08-Feb-21

GRO C6-C10	225	10.0	mg/kg	200		113	83.7-135			
DRO >C10-C28	227	10.0	mg/kg	200		113	80.4-133			
Total TPH C6-C28	452	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.7	44.3-144			
Surrogate: 1-Chlorooctadecane	47.2		mg/kg	50.0		94.4	42.2-156			

LCS Dup (1020824-BSD1)

Prepared & Analyzed: 08-Feb-21

GRO C6-C10	233	10.0	mg/kg	200		117	83.7-135	3.43	13.8	
DRO >C10-C28	231	10.0	mg/kg	200		115	80.4-133	1.66	22.1	
Total TPH C6-C28	464	10.0	mg/kg	400		116	83.1-133	2.55	17.7	
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0		103	44.3-144			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.8	42.2-156			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

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Celey D. Keene, Lab Director/Quality Manager



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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences Project Manager: Kyle Norman Address: 2620 W. Marland Blvd. City: Hobbs State: NM Zip: 88240 Phone #: 575-318-5017 Fax #: Project #: Project Name: 11117 Line Leak 1-3 Project Location: Sampler Name: Frank Conejo Jr.				P.O. #: Company: Tasman Geo Attn: Kyle Norman Address: 2620 W. Marland City: Hobbs State: NM Zip: 88240 Phone #: 575-318-5017 Fax #:			
FOR LAB USE ONLY				BILL TO			
Lab I.D. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Sample I.D. 5PT Comp. Imported Top Soil </div>				MATRIX (G)RAB OR (C)OMP. # CONTAINERS: 1 GROUNDWATER WASTEWATER SOIL <input checked="" type="checkbox"/> OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:			
DATE 2/8/21 TIME				SAMPLING			
Relinquished By: <i>[Signature]</i> Date: 2/8/21				Received By: <i>[Signature]</i>			
Relinquished By: <i>[Signature]</i> Date: 1/5/20				Received By: <i>[Signature]</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			
CHECKED BY: <i>[Signature]</i>				REMARKS: email results: knorman@tasman-geo.com; bgriffin@tasman-geo.com, SWWeathers@dcpmidstream.com			



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

February 12, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 1-3

Enclosed are the results of analyses for samples received by the laboratory on 02/10/21 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:Reported:
12-Feb-21 08:55**Sample ID****Laboratory ID****Matrix****Date Sampled****Date Received**

IMPORTED BACKFILL

H210357-01

Soil

10-Feb-21 00:00

10-Feb-21 13:30

02/12/21 - Client added BTEX and Chloride on 02/11/21. This is the revised report and will replace the one sent on 02/11/21.

Cardinal Laboratories

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A handwritten signature in cursive script, reading "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
12-Feb-21 08:55

IMPORTED BACKFILL**H210357-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	1021103	GM	11-Feb-21	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1021106	MS	11-Feb-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		73.3-129	1021106	MS	11-Feb-21	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	

Surrogate: 1-Chlorooctane			80.8 %		44.3-144	1021013	MS	11-Feb-21	8015B	
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Surrogate: 1-Chlorooctadecane			77.4 %		42.2-156	1021013	MS	11-Feb-21	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
12-Feb-21 08:55

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1021103 - 1:4 DI Water									
Blank (1021103-BLK1)				Prepared & Analyzed: 11-Feb-21					
Chloride	ND	16.0	mg/kg						
LCS (1021103-BS1)				Prepared & Analyzed: 11-Feb-21					
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (1021103-BSD1)				Prepared & Analyzed: 11-Feb-21					
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
12-Feb-21 08:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1021106 - Volatiles**Blank (1021106-BLK1)**

Prepared & Analyzed: 11-Feb-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	73.3-129			

LCS (1021106-BS1)

Prepared & Analyzed: 11-Feb-21

Benzene	2.08	0.050	mg/kg	2.00		104	72.2-131			
Toluene	2.03	0.050	mg/kg	2.00		102	71.7-126			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	68.9-126			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0481		mg/kg	0.0500		96.2	73.3-129			

LCS Dup (1021106-BSD1)

Prepared & Analyzed: 11-Feb-21

Benzene	2.17	0.050	mg/kg	2.00		109	72.2-131	4.64	14.6	
Toluene	2.14	0.050	mg/kg	2.00		107	71.7-126	5.29	17.4	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	68.9-126	5.16	18.9	
Total Xylenes	6.13	0.150	mg/kg	6.00		102	71.4-125	4.83	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0492		mg/kg	0.0500		98.4	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TASMAN GEOSCIENCES
6899 PECOS ST. UNIT C
DENVER CO, 80221

Project: DCP - 11117 LINE LEAK 1-3
Project Number: NOT GIVEN
Project Manager: KYLE NORMAN
Fax To:

Reported:
12-Feb-21 08:55

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1021013 - General Prep - Organics**Blank (1021013-BLK1)**

Prepared: 10-Feb-21 Analyzed: 11-Feb-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.2		mg/kg	50.0		84.4	44.3-144			
Surrogate: 1-Chlorooctadecane	37.9		mg/kg	50.0		75.7	42.2-156			

LCS (1021013-BS1)

Prepared & Analyzed: 10-Feb-21

GRO C6-C10	225	10.0	mg/kg	200		112	83.7-135			
DRO >C10-C28	225	10.0	mg/kg	200		113	80.4-133			
Total TPH C6-C28	450	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.8	44.3-144			
Surrogate: 1-Chlorooctadecane	42.4		mg/kg	50.0		84.9	42.2-156			

LCS Dup (1021013-BS1)

Prepared & Analyzed: 10-Feb-21

GRO C6-C10	226	10.0	mg/kg	200		113	83.7-135	0.508	13.8	
DRO >C10-C28	222	10.0	mg/kg	200		111	80.4-133	1.47	22.1	
Total TPH C6-C28	448	10.0	mg/kg	400		112	83.1-133	0.479	17.7	
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	44.3-144			
Surrogate: 1-Chlorooctadecane	41.6		mg/kg	50.0		83.2	42.2-156			

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences Project Manager: Kyle Norman Address: 2620 W. Marland Blvd. City: Hobbs Phone #: 575-318-5017 Fax #: Project #: Project Name: 11117 Line Leak 1-3 Project Location: Sample Name: Miguel Cardona Jr. FOR LAB USE ONLY		P.O. #: Company: Tasman Geo Attn: Kyle Norman Address: 2620 W. Marland City: Hobbs State: NM Zip: 88240 Phone #: 575-318-5017 Fax #:	
Lab I.D. H310357 Imported Backfill		Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS: 1 MATRIX: GROUNDWATER WASTEWATER SOIL <input checked="" type="checkbox"/> OIL SLUDGE OTHER: ACID/BASE: ICE / COOL <input checked="" type="checkbox"/> OTHER: DATE: 2/10/21 TIME:	
Relinquished By: Kyle Cardona Jr. Date: 2/3/2021 Time: 0800 Received By: [Signature] Date: 8-10-21 Time: 1330 Delivered By: (Circle One) UPS <input checked="" type="checkbox"/> Bus <input type="checkbox"/> Other: 4.8c #113 Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> CHECKED BY: [Signature] (Initials)		ANALYSIS REQUEST Chlorides TPH 8015 M <input checked="" type="checkbox"/> <i>added 2/11/21 Rush</i> BTEX Texas TPH Complete Cations/Anions TDS HOLD RUSH	
REMARKS: email results: knorman@tasman-geo.com; bgriffin@tasman-geo.com; SWWeathers@dcpmidstream.com		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:	

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

Appendix C

Photo Documentation

DCP Midstream

11117 Leak Location 2



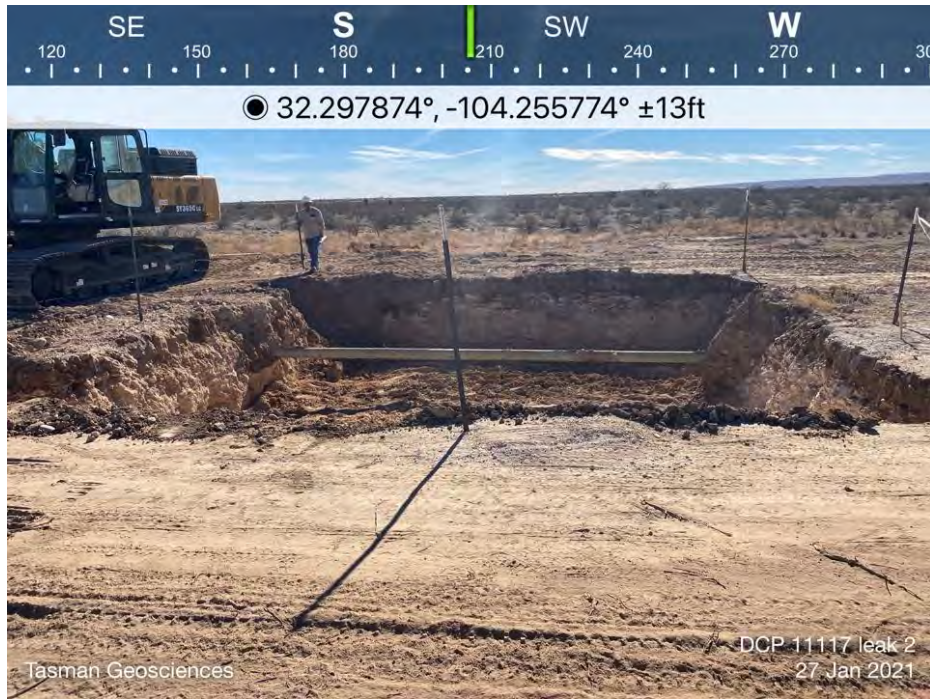
Excavating



<<<Photo Description>>>

DCP Midstream

11117 Leak Location 2



Excavation



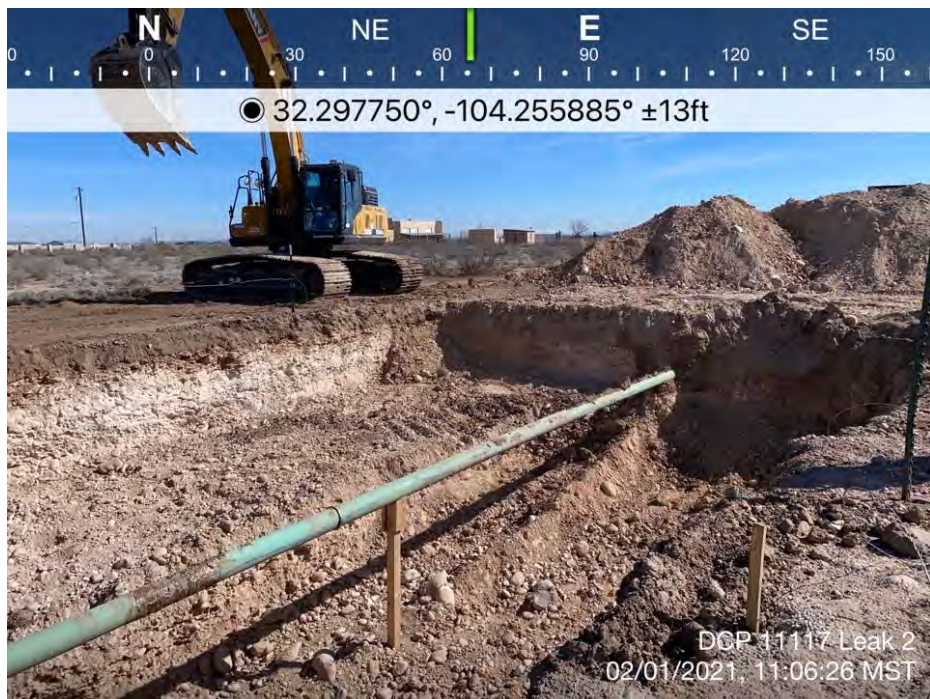
Excavation

DCP Midstream

11117 Leak Location 2



Excavation



Excavation

DCP Midstream

11117 Leak Location 2



Backfilled Excavation

Appendix D

Initial C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District Office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	DCP Operating Company, LP	OGRID	36785
Contact Name	Stephen W Weathers	Contact Telephone	303-605-1718
Contact Email	SWWeathers@dcpmidstream.com	Incident # (assigned by OCD)	
Contact Mailing Address	370 17th Street, Suite 2500, Denver, CO 80202		

Location of Release Source

Latitude 32.297758 Longitude -104.255832
(Nad 83 in decimal degrees to 5 decimal places)

Site Name	Natural Gas Gathering Line #11117 Leak Location 2	Site Type	6" Steel Gas Gathering Pipeline
Date Release Discovered	07/19/19	API # (if applicable)	

Unit Letter	Section	Township	Range	County
P	14	23S	26E	Eddy County, NM

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Montclair Development Corporation)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) Unknown	Volume Recovered (bbls) Unknown
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) Unknown	Volume Recovered (Mcf) Unknown
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Released (provide units)

Cause of Release:

Seeping natural gas was discovered due to small pipeline failure (hole open under pressure). Initial field observations of the release suggested the volume of any associated hydrocarbon liquids was below NMOCD reporting thresholds. After further investigation and assessment of recent analytical data, the release has now been conservatively estimated to be equal to or somewhat greater than the minimum reportable quantity (minor release threshold).

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means? (phone, email, etc)?

Initial Response

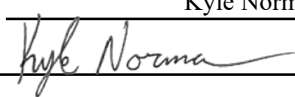
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pads, or other containment.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11 (A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager
 Signature:  Date: 6/15/2020
 email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: _____ Date: _____

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>~197</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project ManagerSignature:  Date: 9/9/2020email: knorman@tasman-geo.com Telephone: 575-318-5017**OCD Only**

Received by: _____ Date: _____

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

Remediation Plan

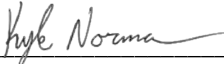
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager
Signature:  Date: 9/9/2020
email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Appendix E
Soil Boring Log



Borehole Logging Form

Boring/Well ID #: Soil Bore 1		SITE NAME: 11117 Line Location 2 NMR2016954249		CLIENT NAME: DCP Operating Company, LP			
Date Started: 1/12/2021		Location: UL "P", Sec. 14, T23S, R26E					
Date Completed: 1/12/2021		TOC Elevation:		DTW: ~197 Ft.			
Type of Drill: Air Rotary		Staff Scientist: Becky Griffin					
Bit Size: 6"		Project Manager:		Kyle Norman			
Drilling Company: HCI Drilling, Inc.							
Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface			—	—			
5			88	38			SANDY CALICHE - TAN
10			87	28.1			SANDY CALICHE - TAN
15			89	15.9			SANDY CALICHE - TAN
20			90	33.7			SANDY CALICHE - TAN
25			89	35			PECOX ALLUVIAL - TAN
30			90	10			SANDY CALICHE - TAN
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							



Borehole Logging Form

Boring/Well ID #: Soil Bore 2		SITE NAME: 11117 Line Location 2 NMR2016954249		CLIENT NAME: DCP Operating Company, LP			
Date Started: 1/12/2021		Location: UL "P", Sec. 14, T23S, R26E					
Date Completed: 1/12/2021		TOC Elevation:		DTW: ~197 Ft.			
Type of Drill: Air Rotary		Staff Scientist: Becky Griffin					
Bit Size: 6"		Project Manager:		Kyle Norman			
Drilling Company: HCI Drilling, Inc.							
Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface			88	3.7			TOPSOIL SANDY CLAY BROWN
5			90	3.6			SANDY CALICHE - TAN
10			89	1.8			SANDY CALICHE - TAN
15			89	2.7			SANDY CALICHE / SMALL GRAVEL - TAN
20			89	3.1			SANDY CALICHE / PECOS GRAVEL - TAN
25			-	-			
30			-	-			
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							



Borehole Logging Form

Boring/Well ID #: Soil Bore 3		SITE NAME: 11117 Line Location 2 NMR2016954249		CLIENT NAME: DCP Operating Company, LP			
Date Started: 1/12/2021		Location: UL "P", Sec. 14, T23S, R26E					
Date Completed: 1/12/2021		TOC Elevation:		DTW: ~197 Ft.			
Type of Drill: Air Rotary		Staff Scientist: Becky Griffin					
Bit Size: 6"		Project Manager:			Kyle Norman		
Drilling Company: HCI Drilling, Inc.							
Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface			87	1.9			TOPSOIL SANDY CLAY BROWN
5			89	3.1			VERY FINE CALICHE TAN
10			90	1.6			CALICHE / PECOS ALLUVIAL TAN
15			88	1.6			CALICHE / PECOS ALLUVIAL TAN
20			89	1.7			CALICHE / PECOS ALLUVIAL TAN
25							
30							
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							



Borehole Logging Form

Boring/Well ID #: Soil Bore 4		SITE NAME: 11117 Line Location 2 NMR2016954249		CLIENT NAME: DCP Operating Company, LP			
Date Started: 1/12/2021		Location: UL "P", Sec. 14, T23S, R26E					
Date Completed: 1/12/2021		TOC Elevation:		DTW: ~197 Ft.			
Type of Drill: Air Rotary		Staff Scientist: Becky Griffin					
Bit Size: 6"		Project Manager:		Kyle Norman			
Drilling Company: HCI Drilling, Inc.							
Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface			86	2.2			TOPSOIL SANDY CLAY BROWN
5			88	2.1			VERY FINE CALICHE TAN
10			84	2.7			VERY FINE CALICHE TAN
15			84	1.9			VERY FINE CALICHE TAN
20			87	1.6			CALICHE / PECOS ALLUVIAL LT REDDISH BROWN
25							
30							
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							



Borehole Logging Form

Boring/Well ID #: Soil Bore 5		SITE NAME: 11117 Line Location 2 NMR2016954249		CLIENT NAME: DCP Operating Company, LP			
Date Started: 1/13/2021		Location: UL "P", Sec. 14, T23S, R26E					
Date Completed: 1/13/2021		TOC Elevation:		DTW: ~197 Ft.			
Type of Drill: Air Rotary		Staff Scientist: Becky Griffin					
Bit Size: 6"		Project Manager:		Kyle Norman			
Drilling Company: HCI Drilling, Inc.							
Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface			89	2.1			TOPSOIL SANDY CLAY BROWN
5			85	1.6			SANDY CALICHE - TAN
10			86	2			SANDY CALICHE
15			83	3.6			SMALL GRAVEL - TAN
20			90	1.3			SANDY CALICHE / SMALL GRAVEL - TAN
25							PELOS ALLUVIAL - TAN
30							
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							
95							
100							
105							
110							
115							
120							

Appendix F
C-141 Closure Form

Incident ID	NRM2016954249
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kyle Norman Title: Regional Project Manager

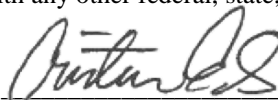
Signature:  Date: 3/8/2021

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Cristina Eads Date: 04/06/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 06/30/2021

Printed Name: Cristina Eads Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 20067

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 20067
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	6/30/2021