

August 19, 2020

NMOCD District 2 Mr. Robert Hamlet 811 S. First Street Artesia, New Mexico 88210

Dear Mr. Hamlet:

M&M Excavating, Inc. (MMX) has prepared this Remediation Closure Report for Devon Energy Production Company that describes the remediation of a release of liquids at the Cactus State #009. site. The site is in Unit O, Section 16, Township 21S, Range 26E, Latitude 32.4750443, Longitude -104.2966919, Eddy County, New Mexico, on State land. Figure 1 provides the vicinity and site location on an USGS 7.5-minute quadrangle map.

Site Information and Closure Criteria

The Cactus State #009. is located approximately six (6) miles north west of Carlsbad, New Mexico on State land at an elevation of approximately 3,293 feet above mean sea level (amsl).

Based upon well water data. (Appendix B), depth to groundwater in the area is estimated to be 150 feet below grade surface (bgs). There are no known water wells within ½ mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) and USGS. The nearest significant watercourse is an unnamed draw located approximately 1,200 feet to the south.

The site is in an area identified as high karst and has therefor been remediated to the applicable NMOCD Closure Criteria for groundwater less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

Release Information and Closure Criteria				
Name		Cactus State #009		
API Number		30-015-28496		
Incident Number		2RP-5369		
Source of Release	Frac tank Hauler			
Released Material	Produced Water	Released Volume	15 BBLS	
Recovered Volume	0 BBLS	Net Release	15BBLS	
NMOCD Closure Criteria	<50 feet to groundwater			

Release Information

On January 23, 2019, a release was discovered at the Cactus State #009 site due to a frac tank hauler releasing fluids from a water tank onto location and adjacent pasture. Initial response activities were conducted by the operator and included source elimination and site containment. Figure 1 illustrates the vicinity and site location. Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

Release Characterization and Remediation Activities

On January 24, 2019, MMX personnel arrived on site in response to the release associated with Cactus State #009. MMX collected initial soil samples around the release site and throughout the visibly stained area. A total of seven (7) samples (S1-S7), were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

As summarized in Table 3, TPH and chloride results exceeded Closure Criteria. MMX proceeded to excavate the identified impacted area.

On February 6, 2019, MMX collected confirmation samples of the walls and base of the excavation. Confirmation samples (S1-S7) were comprised of five-point composites. A total of seven (7) samples were collected for laboratory analysis using the methods listed above. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratories in Hobbs, New Mexico (Appendix C).

Samples (S1-S7) exceeded Closure Criteria for TPH. MMX returned to site on May 31, 2019 to continue excavation, sample (S4) was excavated down to five (5) feet bgs. Sample locations (S1-S3 & S5-S7) were excavated down to one-foot bgs.

Confirmation samples (S1-S3 & S5-S7) were collected at one (1) foot and confirmation sample (S4) was collected at five (5) feet. Samples were analyzed using the methods listed above. Figure 3 shows the final extent of the excavation and sample locations.

On July 16, 2020, sidewall confirmation samples of the pre-existing release area were collected to confirm lateral migration did not occur. Confirmation Samples (SW1-SW8) was collected and analyzed for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Final Laboratory results are summarized in Table 3. All Laboratory reports are included in Appendix C.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at an NMOCD permitted disposal facility. Georeferenced photos are included in Appendix D.

On behalf of Devon Energy, MMX requests closure for the release associated with 2RP-5369.

Submitted by: M&M Excavating, Inc.

Lupe Carrasco

Lupe Carrasco

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria Justification Table 3: Summary of Sample Results

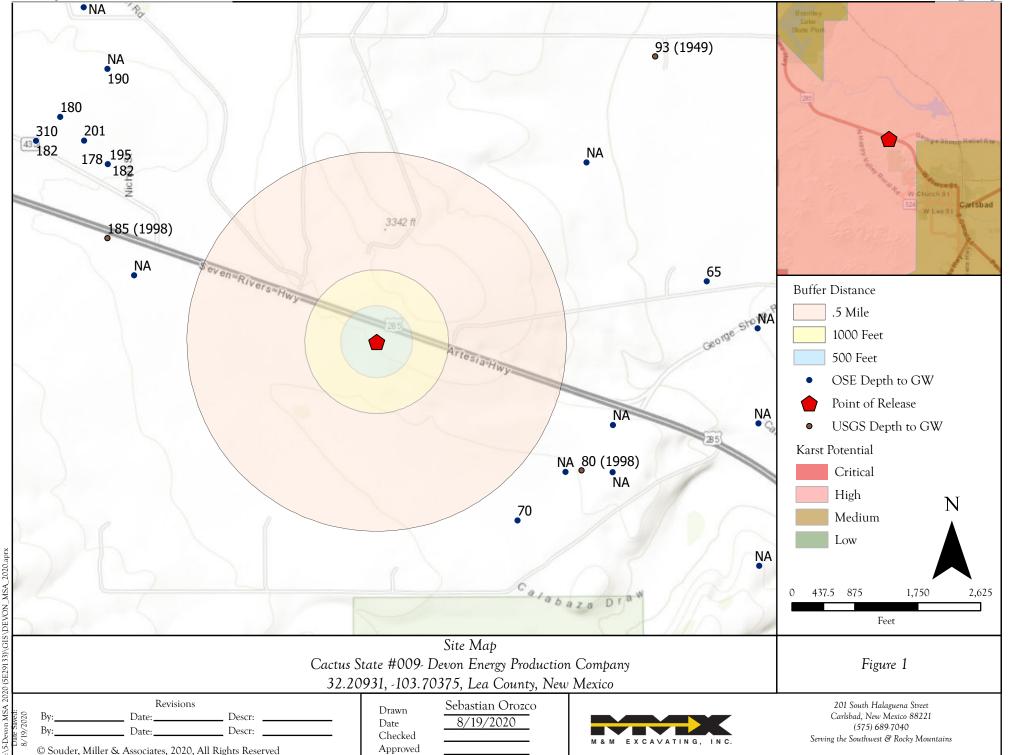
Appendices:

Appendix A: Form C-141 Appendix B: Water Well Data Appendix C: Laboratory Analytical Reports Appendix D: Photo Log & Manifest

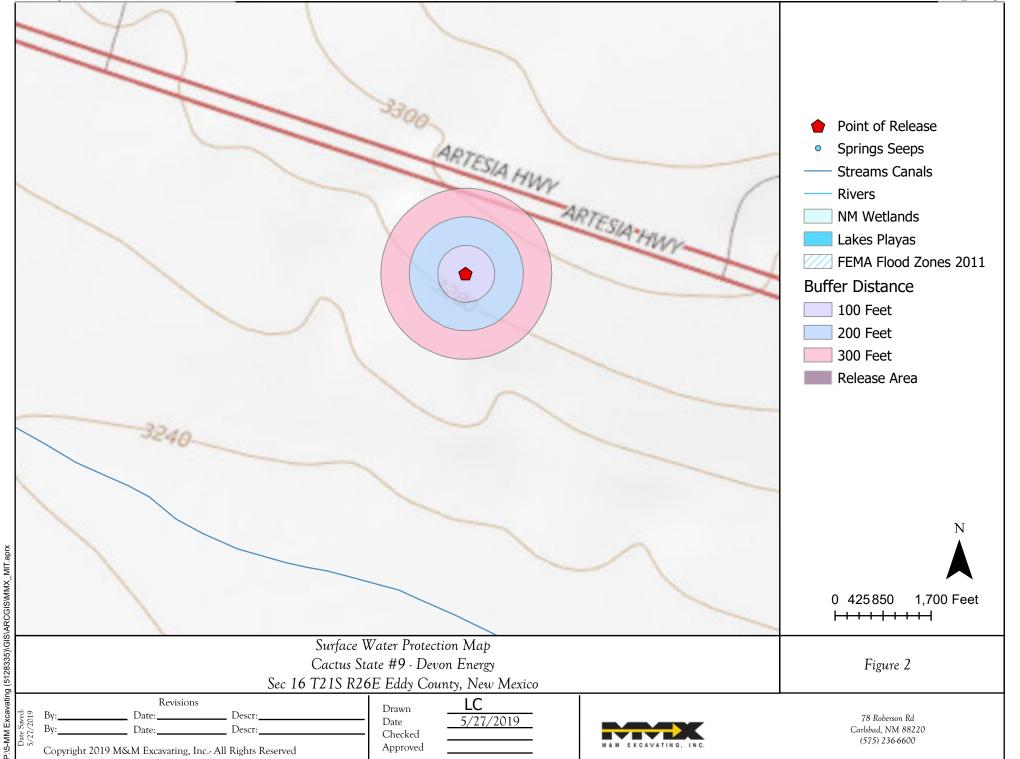
Figures



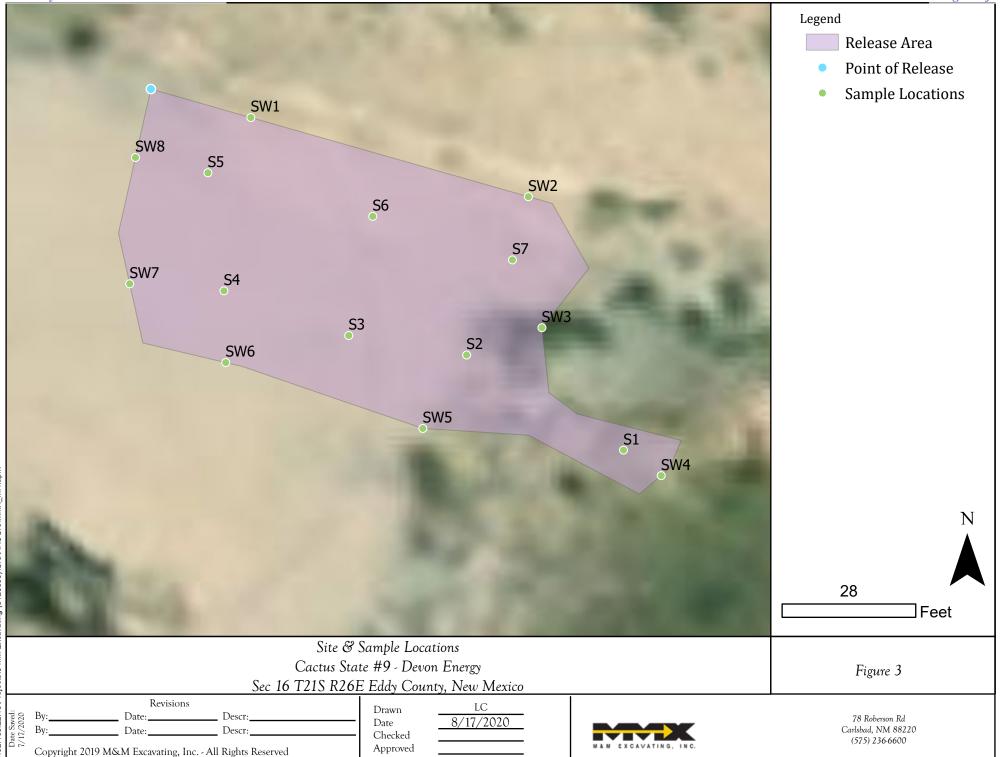
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Tables



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Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	<50	NMOSE & USGS
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	N/A	-
Hortizontal Distance to Nearest Significant Watercourse (ft)	1200	Unnamed Draw

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
		Close	ure Criteria	ı (units in n	ng/kg)	
Depth to Groundwater		Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene
< 50' BGS	Х	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no		if yes	s, then		
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake? Water Well or Water Source	No No					
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? <1000' from fresh water well or spring?	No No					
Human and Other Areas	1	600	100		50	10
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	Yes					
within a 100-year floodplain?	No					

Table 3: Summary of Sample Results

Cactus State #009 Devon Energy Production Company

2RP-5369

Sample	Sample Date	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
ID		(feet bgs)	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NM	OCD Closure (Criteria	50	10				100	600
S1	1/24/2019	Surface	<0.300	<0.050	<10.0	163	36.9	199.9	175
51	2/6/2019	1	<0.300	<0.050	<10.0	11.4	<10.0	11.4	32.0
S2	1/24/2019	Surface	1.53	<0.050	165	4,800	946	5,911	304
32	2/7/2019	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
S3	1/24/2019	Surface	<0.300	<0.050	<10.0	412	140	552	144
- 35	2/6/2019	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
	1/24/2019	Surface	0.313	<0.050	16.6	5,000	4,180	9,196.6	19,200
S4	2/6/2019	3	<0.300	<0.050	<10.0	710	121	831.0	96.0
34	2/6/2019	4	<0.300	<0.050	<10.0	490	90	579.7	64.0
	5/31/2019	5	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
S5	1/24/2019	Surface	<0.300	<0.050	<10.0	225	279	504	3,120
35	2/6/2019	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
S 6	1/24/2019	Surface	40.2	<1.00	2,680	47,400	11,200	61,280	576
00	2/6/2019	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48.0
S7	1/24/2019	Surface	<0.300	<0.050	<10.0	887	283	1,170	576
01	2/6/2019	1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
SW1		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48
SW2		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	64
SW3		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
SW4	7/16/2020	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	64
SW5	1/10/2020	Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32
SW6		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48
SW7		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	48
SW8		Surface	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32



Appendix A



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

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Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude	Longitude
	(NAD 83 in decimal degrees to 5 decimal places
Site Name	Site Type

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Incident ID	
District RP	
Facility ID	
Application ID	

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
If YES, was immediate no	otice 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.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

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:	Title:
Signature: <u>Kendra DeHoyos</u>	Date:
email:	Telephone:
OCD Only Received by:	Date:

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Oil Conservation Division

Incident ID	NAB1911934008
District RP	2RP-5369
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Application ID	

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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><50 (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🛛 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 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 ¹/₂-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.

Page 3

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			Incident ID	NAB1911934008
nge 4	Oil Conservation Division	n	District RP	2RP-5369
			Facility ID	
			Application ID	
public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name:Lu Signature:	e required to report and/or file certain release n nment. The acceptance of a C-141 report by th gate and remediate contamination that pose a th of a C-141 report does not relieve the operator pe Carrasco	e OCD does not relieve the hreat to groundwater, surfa of responsibility for comp	e operator of liability sh ace water, human health liance with any other fe rofessional	nould their operations have a or the environment. In oderal, state, or local laws
OCD Only Received by: Cristin	a Eads	Date: 09/23	3/2020	

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Oil Conservation Division

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Incident ID	NAB1911934008	
District RP	2RP-5369	
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.

<u>Closure Report Attachment Checklist</u>: Each of the following	items must be included in the closure report.
\square A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photographs be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name:Lupe Carrasco	
Signature: Lupe Carrasco	Date:9/22/20
email:Lupe.Carrasco@dvn.com	Telephone:575-748-0165
OCD Only	
Received by: Cristina Eads	Date:09/23/2020
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible //or regulations.
Closure Approved by: Justus es	Date: 11/10/2020
Printed Name: Cristina Eads	Title: Environmental Specialist

Appendix B



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(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orpha C=the fil closed)	ned,	L		• •				V 2=NE est to lar	3=SW 4=SI gest) (N	E) IAD83 UTM in n	neters)	(In t	feet)	
		POD													
POD Number	Code	Sub- basin	County			Q 5 4		Twe	Rng	x	Y	DistanceDer	th WellDen		/ater
<u>C 01529</u>	coue	C	ED	2		2			26E	566689	3592556* 🧉	965	130	70	6
<u>C 04359 POD1</u>		С	ED	4	2	4	17	21S	26E	565057	3593597 🧉	1069	256	230	20
<u>C 01817</u>		С	ED		4	2	17	21S	26E	564942	3594056* 🌍	1366	215	195	2
<u>C 01940</u>		С	ED		4	2	17	21S	26E	564942	3594056* 🌍	1366	212	182	3
<u>C 02137</u>		С	ED		4	2	17	21S	26E	564942	3594056* 🌍	1366	217	178	3
<u>C 02562</u>		С	ED	4	2	3	15	21S	26E	567485	3593575* 🥌	1422	160	65	9
											Avera	ge Depth to Wat	er:	153 fee	t
												Minimum De	pth:	65 fee	t
												Maximum De	pth:	230 fee	t
Record Count: 6															
UTMNAD83 Radius	s Search (in	meters)	<u>:</u>												
Easting (X): 566	5087.12		North	ning	; (Y):	3593	3310.5	1		Radius: 1500				
*UTM location was derived	from PLSS -	see Heln													



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Search Results -- 1 sites found

Agency code = usgs

Minimum number of levels = 1 Save file of selected sites to local disk for future upload

USGS 322909104170101 21S.26E.15.114212

Eddy County, New Mexico Latitude 32°29'09", Longitude 104°17'01" NAD27 Land-surface elevation 3,195 feet above NAVD88 The depth of the well is 152 feet below land surface. This well is completed in the Yates Formation, Guadalupe Group (313YATS) local aquifer.

Output formats

Table of data

Tab-separated data

<u>Graph of data</u> Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1949-05-23		D	93.60			2		U		

		Explanation	
Section	Code	Description	
Water-level date-time accuracy	D	Date is accurate to the Day	
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot	
Status		The reported water-level measurement represents a static level	
Method of measurement	U	Unknown method.	
Measuring agency		Not determined	
Source of measurement	U	Source is unknown.	
Water-level approval status	А	Approved for publication Processing and review completed.	

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Data Category: Groundwater Geographic Area: √ GO

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Agency code = usgs

site_no list = • 322812104171301

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322812104171301 21S.26E.22.11333

Eddy County, New Mexico Latitude 32°28'12", Longitude 104°17'13" NAD27 Land-surface elevation 3,242 feet above NAVD88 The depth of the well is 130 feet below land surface. This well is completed in the Yates Formation, Guadalupe Group (313YATS) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1978-01-05		D	80.59			2		U		
1987-10-13		D	79.44			2		U		
1993-01-12		D	79.62			2		S		
1998-01-15		D	80.04			2		S		

Explanation										
Section		Description								
Water-level date-time accuracy	D	Date is accurate to the Day								
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot								
Status		The reported water-level measurement represents a static level								
Method of measurement	S	Steel-tape measurement.								
Method of measurement	U	Unknown method.								
Measuring agency		Not determined								
Source of measurement	U	Source is unknown.								
Water-level approval status	А	Approved for publication Processing and review completed.								

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-08-19 12:57:06 EDT 0.28 0.26 nadww01

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Search Results -- 1 sites found

Agency code = usgs

site_no list = • 322844104183001

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322844104183001 21S.26E.17.41244

Eddy County, New Mexico Latitude 32°28'44", Longitude 104°18'30" NAD27 Land-surface elevation 3,275 feet above NAVD88 The depth of the well is 187 feet below land surface. This well is completed in the Yates Formation, Guadalupe Group (313YATS) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1947-12-15		D	174.00			2	1	U		
1954-03-25		D	178.67			2	2	U		
1955-08-31		D	179.49			2	!	U		
1978-01-03		D	182.42			2	2	U		
1983-01-13		D	182.33			2	!	U		
1987-10-13		D	179.30			2	2	U		
1993-01-12		D	181.77			2	2	S		
1998-01-15		D	185.40			2	2	S		

Section	Code	Description		
Water-level date-time accuracy	D	Date is accurate to the Day		
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot		
Status The reported water-level measurement represents a static level				
Method of measurement	S	Steel-tape measurement.		
Method of measurement	U	Unknown method.		
Measuring agency		Not determined		
Source of measurement	U	Source is unknown.		
Water-level approval status	А	Approved for publication Processing and review completed.		

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 U.S. Department of the Interior | U.S. Geological Survey
 Title: Groundwater for USA: Water Levels
 URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-08-19 12:52:18 EDT 0.27 0.25 nadww01 USA.gov

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Appendix C





January 25, 2019

LUPE CARRASCO MMX 2737 PECOS HWY

CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 01/24/19 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 1 (H900257-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	<0.300	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	163	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	36.9	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	87.9	% 41-142							
Surrogate: 1-Chlorooctadecane	94.9	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 2 (H900257-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	0.087	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	0.436	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	1.01	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	1.53	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	165	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	4800	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	946	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	224	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 3 (H900257-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	<0.300	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/25/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	412	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	140	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	95.4	% 41-142	2						
Surrogate: 1-Chlorooctadecane	110 9	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 4 (H900257-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	0.056	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	0.258	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	0.313	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19200	16.0	01/25/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.6	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	5000	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	4180	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	93.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	130 9	37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 5 (H900257-05)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	<0.300	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/25/2019	ND	416	104	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	225	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	279	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	95.9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	97.9	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 6 (H900257-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	5.76	1.00	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	9.14	1.00	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	25.3	3.00	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	40.2	6.00	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/25/2019	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2680	100	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	47400	100	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	11200	100	01/24/2019	ND					
Surrogate: 1-Chlorooctane	181	% 41-142	,						
Surrogate: 1-Chlorooctadecane	1450	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	01/24/2019	Sampling Date:	01/24/2019
Reported:	01/25/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 7 (H900257-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2019	ND	2.07	103	2.00	2.21	
Toluene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	2.23	
Ethylbenzene*	<0.050	0.050	01/24/2019	ND	2.14	107	2.00	1.93	
Total Xylenes*	<0.150	0.150	01/24/2019	ND	6.25	104	6.00	0.644	
Total BTEX	<0.300	0.300	01/24/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/25/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2019	ND	209	105	200	4.91	
DRO >C10-C28*	887	10.0	01/24/2019	ND	195	97.6	200	7.37	
EXT DRO >C28-C36	283	10.0	01/24/2019	ND					
Surrogate: 1-Chlorooctane	81.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	112 9	37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 9/23/2020 1:14:53 PM

	0122-CEC (CIC) VV 1 0202-CEC (CIC)	à			
Company Name:	X LUNIX		BILL TO	ANALYSIS REQUEST	
Project Manager:	Lupe Carrasco		P.O. #:		_
Address:	,		Company: MMY		
City:	State:	Zip:	Attn: Luge Corresto	<i>co</i>	
Phone #:	Fax #:		Address: Do Box 11		
Project #:	Project Owner:	ň	city: Carlsbad		
Project Name:	Cactus State #9		: Mint		
Project Location:			Phone #:	2	
Sampler Name:			Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME BTEX TPH Chloru	
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PLEASE NOTE: Liability and C	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	any daim arising whether based in contract	or tort, shall be limited to the amount paid by the	e client for the	
affiliates or successors arising of	unupyex, nu values including under our regulation and other and whatsverse is allow to write our values inder in writing and received by Cardinal writin 30 days after completion of the applicable service. In no event shall Cardinal be liable for indential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services herunder by Cardinal, regardess of whether such climits based upon any of the above studer reasons or otherwise.	a deerred waived unless made in writing and rg without limitation, business interruptions, le Cardinal, regardless of whether such claim is	use wilasverei snaii be ueented waived uniess made in writing and received by Caroliai within 30 days after completion of the ieritat damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie 'services hereunder by Cardinai, regardess of whether such claim is based upon any of the above stated reasons or otherwaite 'services hereunder by Cardinai, regardess of whether such claim is based upon any of the above stated reasons or otherwaite.	Jelion of the applicable Is subsidiaries, or otherwise.	
Relinquished By:	Time:	Received By:	MI HO Fai	Phone Result: Ves No Add'I Phone #: Fax Result: Yes No Add'I Fax #:	
Relinquished By:	Date: Time:	Date: Received By:	Man Maria	email : lupemarine Qgmail.com	
Delivered By: (Circle One)	(Circle One)	Sample Condition	сн	Amanda. Davis @ dun, com	
Sampler - UPS -	Bus - Other:	497 Pres Pres	(Initials)	& RUSH!	
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Page 35 of 88 Page 10 of 10 **ARDINAL** aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



February 07, 2019

LUPE CARRASCO

2737 PECOS HWY

CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 02/06/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S5 -1' (H900457-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	82.9	% 41-142							
Surrogate: 1-Chlorooctadecane	90.4	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201 02/06/2019 Sampling Date:

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S6 -1' (H900457-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	93.2	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 40 of \$8 Laboratories



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: /////		BILL TO	the second	ANALYSIS RECIJEST	
Project Manager: Luge Carrasco		P.O. #:			
Address:		Company: M/MX			
City: State:	Zip:	Attn:			
Phone #: Fax #:		Address:			
Project #: Project Owner:		City:			
Project Name: LECTUS State # 9	0	State: Zip:			
Project Location:	-	Phone #:			
Sampler Name:		Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	5		
Lab I.D. Sample I.D.		ASE: OOL	TEX H Iorde		
HSONS7.	# CON GROL WAST SOIL OIL SLUD		11		
1-5510	×	× 2/1/14	× × ×		
(256-1'	×	*	* * *		
those for negligence and any other cause whats linal be liable for incidental or consequental dam out of or refield to the performance of services I	leemed waived unless made in writing and re without limitation, business interruptions, los ardinal, regardless of whether such claim is b	oever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the ages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaria rereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	is cuert of the applicable its subsidiaries; or otherwise.		
Kelinquisped By:	Received By:	MAA QUA Fax	Phone Result: Yes No Result: Yes No REMARKS:	Add'l Phone #: Add'l Fax #:	
Relinquished By: Date:	Received By:	WWWW	*Rush	* Aush	
Time:			Ena; 1: Lupe		
-	7 Co	n CHEOKED BY:	Amanc	Ja, Davis Work, Com	
Sampler - UPS - Bus - Other: J, V J M J J		4M			

Cardinal annuat anout workal abauana Blanca fau weittan abauaan ta 15751 202 2396

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February 07, 2019

LUPE CARRASCO

2737 PECOS HWY

CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 02/06/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S4 -3' (H900458-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	710	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	121	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	90.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	112 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S4 -4' (H900458-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	490	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	89.7	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	90.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	107 9	37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

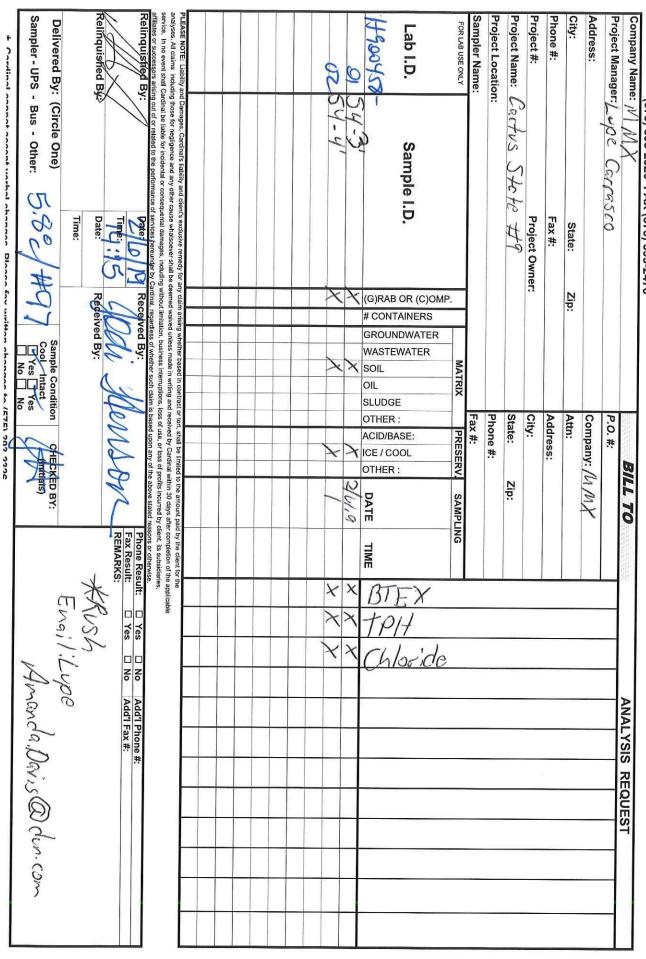
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Page 5 of 5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



Received by OCD: 9/23/2020 1:14:53 PM



February 07, 2019

LUPE CARRASCO

2737 PECOS HWY

CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 02/06/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



NOT GIVEN

Analytical Results For:

MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201 Received: 02/06/2019 Sampling Date: 02/06/2019 Reported: 02/07/2019 Sampling Type: Soil Project Name: CACTUS STATE #9 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: S1 - 1' (H900459-01)

Project Location:

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	11.4	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	89.7	% 41-142	2						
Surrogate: 1-Chlorooctadecane	95.1	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager



		MMX			
		LUPE CAR	RASCO		
		2737 PEC	OS HWY		
		CARLSBAD	D NM, 88220		
		Fax To:	(575) 236-6201		
Received:	02/06/2019			Sampling Date:	02/06/2019
Reported:	02/07/2019			Sampling Type:	Soil
Project Name:	CACTUS STATE #9			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN				

Sample ID: S2 - 1' (H900459-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	90.0	% 41-142							
Surrogate: 1-Chlorooctadecane	97.4	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S3 - 1' (H900459-03)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	87.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	94.1	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	02/06/2019	Sampling Date:	02/06/2019
Reported:	02/07/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S7 - 1' (H900459-04)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2019	ND	2.03	102	2.00	4.08	
Toluene*	<0.050	0.050	02/07/2019	ND	1.96	97.9	2.00	4.88	
Ethylbenzene*	<0.050	0.050	02/07/2019	ND	1.92	96.0	2.00	4.83	
Total Xylenes*	<0.150	0.150	02/07/2019	ND	5.82	97.0	6.00	4.36	
Total BTEX	<0.300	0.300	02/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2019	ND	198	99.1	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/06/2019	ND	208	104	200	1.75	
EXT DRO >C28-C36	<10.0	10.0	02/06/2019	ND					
Surrogate: 1-Chlorooctane	90.6	% 41-142	,						
Surrogate: 1-Chlorooctadecane	98.0	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

Page 52 of 88

Page 7 of 7

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

18

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

Company Name:	MM		BILL TO	ANAI YSIS REOLIEST	
Project Manager:	Enor Carrase	Ľ	P.O. #:		
Address:	and a current	¢	Company: MM		
City:	State:	Zip:	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:		City:		
Project Name:	Cartus State #9		State: Zip:		
Project Location:			Phone #:	5	
Sampler Name:			Fax #:	14	
FOR LAB USE ONLY	â	MATRIX	PRESERV. SAMPLING	J.	
Lab I.D.	Sample I.D.	AB OR (C)OMP NTAINERS UNDWATER TEWATER DGE	ER : /BASE: COOL ER :	BTER	
DCLOOL U		# 0 GF W/ ~ SC OII	AC ICE OT		
j	1.1.1		× 2/6/19		
20	53-1,	× ×	24		
40	57-1'		a J	ся 33 4 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4	
analyses. All claims including ervice. In no event shall Care affiliates or successors arising	analyses. All claims including those and any other cause wherevery in any animi ansang wireture based in contract or fort, stating be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental dranges, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal without the above stated reasons or otherwise.	any usini ansing whener based in contracts deemed waived unless made in writing an g without limitation, business interruptions, Cardinal, regardless of whether such claim	ronuact or ord, shall be limited to the amount paid by the client for the ing and received by Cardinal within 30 days after completion of the blons, loss of use, or loss of profils incurred by client, its subsidiant claim is based upon any of the above stated reasons or otherwise.	vy the clant for the completion of the applicable ent, its subsidiaries, ons or otherwise.	
Relinquisked By:	6119-jage	Received By:		Phone Result: Ves No Add'I Phone #: Fax Result: Ves No Add'I Fax #:	10 10
Relinquished By:	Date:	Received By:	Maen	X Rush	
	Time:		() 	Email: Lupo	
Delivered By:	Delivered By: (Circle One) 5.89 1#97		ion CHECKED BY:	Amanda. Lewis (2) dun.com	
sampler - UPS -	4	No No			

Received by OCD: 9/23/2020 1:14:53 PM

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June 04, 2019

LUPE CARRASCO MMX 2737 PECOS HWY CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 06/03/19 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



MMX LUPE CARRASCO 2737 PECOS HWY CARLSBAD NM, 88220 Fax To: (575) 236-6201

Received:	06/03/2019	Sampling Date:	05/31/2019
Reported:	06/04/2019	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: S 4 - 5' (H901933-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2019	ND	1.81	90.6	2.00	18.1	
Toluene*	<0.050	0.050	06/03/2019	ND	2.00	99.9	2.00	15.4	
Ethylbenzene*	<0.050	0.050	06/03/2019	ND	2.00	100	2.00	22.3	
Total Xylenes*	<0.150	0.150	06/03/2019	ND	6.08	101	6.00	8.72	
Total BTEX	<0.300	0.300	06/03/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/04/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/04/2019	ND	214	107	200	1.33	
DRO >C10-C28*	<10.0	10.0	06/04/2019	ND	186	93.1	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	06/04/2019	ND					
Surrogate: 1-Chlorooctane	84.4	% 41-142	2						
Surrogate: 1-Chlorooctadecane	83.6	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 9/23/2020 1:14:53 PM

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Receive	service. In no event shall Cardinal be lable for integragence and any other cause whatsoever shall be demanded winking and received by Cardinal within 30 days after completion of the applicable affiliates or successors arking out of or related to the performance of services hearinder by Cardinal, regardless of whether such claim is based upon any of the above stated resons or otherwise. Relinquished By: Date: Date: Firme: Fi	emedy for any claim arising whether based in contract or tort, shall be limited		8	# CONT GROUN WASTE	or (C)om Ainers Idwater Water	D. MATRIX			0# +	Project Owner:		75			VM 88240 93-2476	(
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מרכר בטר ובדבו אי יייים



July 21, 2020

LYNN A ACOSTA SOUDER MILLER AND ASSOCIATES 201 S. HALAGUENO CARLSBAD, NM 88220

RE: CACTUS STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 07/16/20 15:20.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 1 (H001862-01)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/17/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/17/2020	ND					
Surrogate: 1-Chlorooctane	89.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.3	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 2 (H001862-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/17/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/17/2020	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.0	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 3 (H001862-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 73.3-12	9						
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	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/17/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/17/2020	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 4 (H001862-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/17/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/17/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 5 (H001862-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/17/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/17/2020	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 6 (H001862-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/18/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/18/2020	ND					
Surrogate: 1-Chlorooctane	89.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 7 (H001862-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/18/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/18/2020	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.5	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES LYNN A ACOSTA 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

Received:	07/16/2020	Sampling Date:	07/16/2020
Reported:	07/21/2020	Sampling Type:	Soil
Project Name:	CACTUS STATE #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - CARLSBAD, NM		

Sample ID: SW 8 (H001862-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2020	ND	1.90	95.0	2.00	2.56	
Toluene*	<0.050	0.050	07/17/2020	ND	1.91	95.6	2.00	2.56	
Ethylbenzene*	<0.050	0.050	07/17/2020	ND	1.92	96.1	2.00	2.85	
Total Xylenes*	<0.150	0.150	07/17/2020	ND	5.55	92.5	6.00	2.84	
Total BTEX	<0.300	0.300	07/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2020	ND	209	105	200	2.37	
DRO >C10-C28*	<10.0	10.0	07/18/2020	ND	228	114	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	07/18/2020	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.0	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

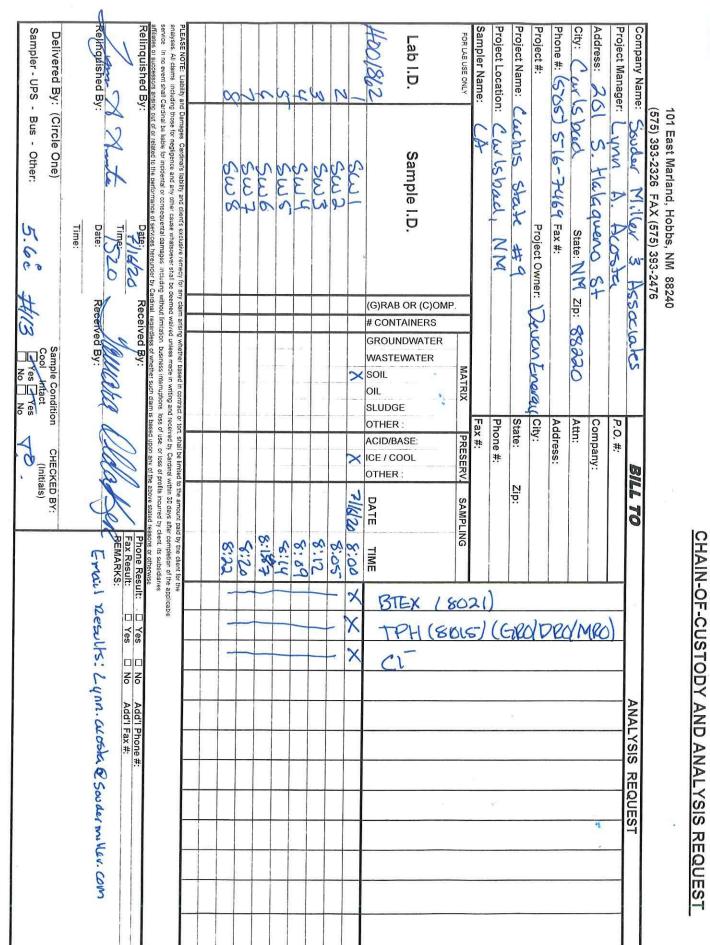
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*=Accredited Analyte

Celeg D. Keine

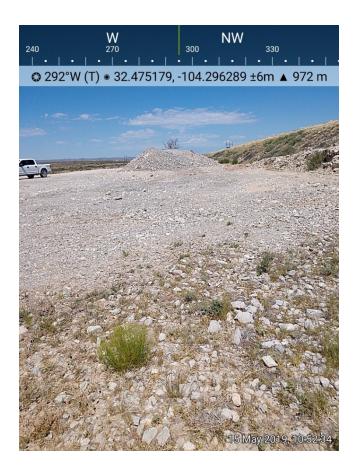
Celey D. Keene, Lab Director/Quality Manager

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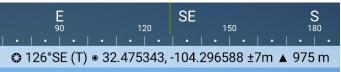


Appendix D

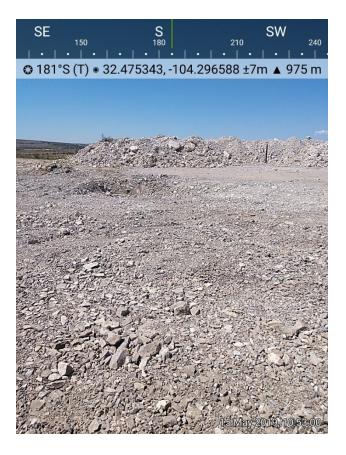




















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R3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: CASH-Halfway Customer #: CRI1770 Ordered by: NORMAN FAVER AFE #: PO #: Manifest #: 391203 Manif. Date: 5/20/2019 Hauler: SUNRISE TRUCKING Driver MANUEL Truck # 2872 Card # Job Ref #	Bid #: V Date: 5 Generator: D Generator #: 2 Well Ser. #: 2 Well Name: C Well Name: 0 Field: Field #: Rig: N	200-1011832 Valk-in Bid 220/2019 DEVON ENERGY PR 27236 CACTUS STATE 201 NON-DRILLING EDDY (NM)	ODUCTIC			
Facility: CRI							
Product / Service		Quantity Units					
Contaminated Soil (RCRA Exemp	t)	20.00 yards					
Cell pH	CI Cond. %Solids TDS	PCI/GM MR/HR	H2S % Oil	Weight			
Lab Analysis: 50/51 0.00	0.00 0.00 0						
1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge _ RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio	esource Conservation and Recovery Act we described waste is: enerated from oil and gas exploration and which is non-hazardous that does not e gulations, 40 CFR 261.21-261.24 or listed n is attached to demonstrate the above-de azardous Waste Analysis Process k	d production operations and ar exceed the minimum standards hazardous waste as defined ir escribed waste is non-hazardo	re not mixed with non-o s for waste hazardous b n 40 CFR, part 261, sub ous. (Check the appropr	exempt wast- y ppart D, as			
Customer Approval	THIS IS NOT AN						
Approved By:		Date:		1			

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Received by OCD: 9/	23/2020 1:14:53				Page 73 o
Pre	Sh"	NEW MEXICO NON-HAZ	ZARDOUS OILFIELD WASTE		Man Contact Information
ENVIRONMENTAL SOLUTIONS		junset we	PLEASE PRINT)	Name <u>Marine</u> Phone No.	man tave
			ENERATOR	110 0 0 4 0	0.0
Operator No.				J No. 3912	03 6137
Thin	n Energ	nineates:	Permit/RRC No. Lease/Well	CLIFE SE DO N	5
Address Offe	8 7 Riv	Kis Hur	Name & No.	Eddy	<u> </u>
		<u> </u>	County API No.	10-015-28496	,
City, State, Zip	esil N	01537 M	Rig Name & No.	ALIA	
Phone No	i van Vinne hi	a difference and state and data	AFE/PO No.		
	EXEMPT E&P Wast	e/Service Identification and An	nount (place volume next to w	vaste type in barrels or cubic yards)	and the state of the
Oil Based Muds Oil Based Cuttings		ION-INJECTABLE WATERS Vashout Water (Non-Injectable)		INJECTABLE WATERS Washout Water (Injectable)	
Water Based Muds	C	ompletion Fluid/Flow back (Non-Inj	jectable)	Completion Fluid/Flow back (Injectable)	
Water Based Cuttings Produced Formation Solids		roduced Water (Non-Injectable) iathering Line Water/Waste (Non-Ir	niectable)	Produced Water (Injectable) Gathering Line Water/Waste (Injectable)	<u></u>
Tank Bottoms E&P Contaminated Soil		NTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation	process of the waste)
Gas Plant Waste		ruck Washout (exempt waste)	not so the optimization	Sollogan	
WASTE GENERATION PROCE	SS: D	RILLING		PRODUCTION GATH	ERING LINES
The second many contraction		NON-EXEMPT E&P W	aste/Service Identification and Amo	ount	T - MARCH DA
Non-Exempt Other	All non-exempt E&P was	te must be analysed and be below t	A CONTRACT OF	LP), Ignitability, Corrosivity and Reactivity.	
			piease select fro	om Non-Exempt Waste List on back	
,	0	B - BARRELS	L - LIQUID	Y-YARDS	E - EACH
hereby certify that according to oad is (Check the appropriate cl	the Resource Conservat	ion and Recovery Act (RCRA) and th	he US Environmental Protection Ag	gency's July 1988 regulatory determination, th	e above described waste
RCRA EXEMPT:	the configuration of the second states of the	rated from oil and gas exploration	and production operations and are	e not mixed with non-exempt waste (R360 Acc	cepts certifications on a per
RCRA EXEMIPT:	load basis only)	00/12 91			
RCRA NON-EXEMPT:	Oil field waste which	is non-hazardous that does not exe ted bazardous waste as defined by	ceed the minimum standards for w	aste hazardous by characteristics established	in RCRA regulations, 40 CFR
	hazardous is attache	d. (Check the appropriate items as	provided)	ended. The following documentation demons	trating the waste as non-
	MSDS Information	RCRA Hazardous W	Vaste Analysis	Other (Provide Description Below)	
E BRP Waste	in an den bie	an galactic desired			12
EMERGENCY NON-OILFEIL	D: determination and a	adous, non-oilfeild waste that has b desciption of the waste must accor	peen ordered by the Department o mpany this form)	of Public Safety (the order, documentation of i	non-hazardous waste
Norm	an tave		lite be calif	7 hourson 1	The second secon
(PRINT) AUTHORIZED AGE	NTS NAME		DATE	SIGNATURE	
espenantaria	1	TRA	ANSPORTER		
ransporter's Name	I well "	Service	Driver's Name	Mawel Chang	
Address D.O.	Boy 7131 .		Print Name	Manuel Chaver	
	2 14	19708	Phone No.	25 T	1.2 0.7.2
Phone No.	32-561-	860	Truck No.	2572	
hereby certify that the above na	med material(s) was/we	re picked up at the Generator's site	listed above and delivered withou	ut incident to the disposal facility listed below.	0
SHIPMENT DATE	DI	RIVER'S SIGNATURE	DELIVE		SIGNATURE
TRUCK T	IME STAMP	DISPO	SAL FACILITY	RECEIVING A	
N:	OUT:			Name/No. TC	1710
ite Name/	In party and a second sec			ivanic/ivo. / 0	
ermit No. Halfway Facilit		-lot de company en	Phone No.	575-393-1079	
00011000311	ALC: NO.	er 66 Carlsbad, NM 88220		and the second	-
	TAKEN? (Circle One)	YES NO		ng > 50 micro roentgens? (circle one)	VES NO
PASS THE PAINT FILT	IN TESTY (CITCle One)	YES	NO		
	Feet	Inches	K BOTTOMS		
st Gauge			BS&	W/BBLS Received BS&	W (%)
2nd Gauge			At a module of the second second	Free Water	
			the state of the second	Total Received	
I hereby certify that the above	load material has been	circle one):	DEMIED If denied, why?		
41100	A la	5176	AL(B)	INC	
NAME (PRINT)		DATE	TITLE	SIGNATURE	
\bigcirc					
C-138 White - R3	60 ORIGINAL Y	ellow - TRANSPORTER COPY	Pink - GENERATOR SIT	E COPY Gold - RETURN TO GENER	RATOR Version 1

Received by OCD: 9/23/2020 1:14 .	:53 PM						Page 74 of 88
R360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CR Ordered by: NC AFE #: PO #: Manifest #: 39 Manif. Date: 5/2 Hauler: SL	INSET WELL		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	28496	Bid 9 ENERGY F 5 STATE ILLING	RODUCTIC
Facility: CRI							1
Product / Service			Quantity	Units			
Contaminated Soil (RCRA Exemp	pt)		20.00) yards		1413777	Marill Lewis
Cell pH	Cl Cond.		TDS PCI/G	M MR/HR	H2S	% Oil	Weight
Lab Analysis. 50/51 0.00	0.00 0.00	0				1 (N. 17).	
MSDS Information RCRA H			presentative S				r Marija Marija
Customer Approval							
	THIS	IS NOT A		CE!			
Approved Pur			Deter			s – s Etc. Herendistada	h djórðing fra Græði
Approved By:			Date:			87. <u>1</u> 94,	allesser perfektion station 1. second
t6UJ9A017RWU	,					·	
	a,						•

R360	a Ni da	HAZARDOUS OILFIELD WASTE	MANIFEST Company Man Conta Name	ict Information
AVIRONMENTAL	Surset Well	(PLEASE PRINT)	Phone No.	e energia
		GENERATOR	NO. 391206	
Operator No.	250	Permit/RRC No.	1 23TC00	17
~ 7	start and g	Lease/Well	0 1 55 1 11-	
Operators Name Devan Gro	210 V	Name & No.	Cactus State #7	
ddress	Rivers Hwy	County	Cody 20191	
A 1	1104 66212	API No.	50 1-013 - 68476	
ty, State, Zip Artesia	NWC 88210	Rig Name & No.		
none No.		AFE/PO No.	du -	
EXEMPT E8	&P Waste/Service Identification and	Amount (place volume next to w	aste type in barrels or cubic yards)	
il Based Muds il Based Cuttings	NON-INJECTABLE WATERS		INJECTABLE WATERS Washout Water (Injectable)	12
/ater Based Muds	Washout Water (Non-Injectable Completion Fluid/Flow back (No		Completion Fluid/Flow back (Injectable)	
ater Based Cuttings	Produced Water (Non-Injectable		Produced Water (Injectable)	
roduced Formation Solids	Gathering Line Water/Waste (No INTERNAL USE ONLY	on-Injectable)	Gathering Line Water/Waste (Injectable) OTHER EXEMPT WASTES (type and generation process of the v	waste)
&P Contaminated Soil	Truck Washout (exempt waste)	inno-trolline-tomai		(dotte)
as Plant Waste ASTE GENERATION PROCESS:				
ASTE GENERATION PROCESS:			PRODUCTION GATHERING LINES	5
		P Waste/Service Identification and Amo		Carl and the
All non-exempt	Lear waste must be analysed and be bel		P), Ignitability, Corrosivity and Reactivity.	
		piease select fro	m Non-Exempt Waste List on back	
ANTITY 20	B - BARRELS	L - LIQUID	Y-YARDS E	- EACH
	Conservation and Recovery Act (RCRA) and	nd the US Environmental Protection Ag	ency's July 1988 regulatory determination, the above desc	ribed waste
d is (Check the appropriate classification)				
		tion and production operations and are	not mixed with non-exempt waste (R360 Accepts certifica	tions on a per
load basis o	only)			
and the second se		us Waste Analysis	Other (Provide Description Below)	
EMERGENCY NON-OILFEILD: Emergency	non-hazradous, non-oilfeild waste that h	has been ordered by the Department/of	Other (Provide Description Below) Public Safety (the order, documentation of non-hazardou	s waste
determinat	non-hazradous, non-oilfeild waste that i tion and a desciption of the waste must a	has been ordered by the Department/of		s waste
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Norman Favo	tion and a desciption of the waste must a	has been ordered by the Department/of accompany this form)	Public Safety (the order, documentation of non-hazardou	s waste
(PRINT) AUTHORIZED AGENTS NAME	tion and a desciption of the waste must a	has been ordered by the Department of accompany this form) DATE RANSPORTER	Public Safety (the order, documentation of non-hazardou	s waste
(PRINT) AUTHORIZED AGENTS NAME	tion and a desciption of the waste must a	has been ordered by the Department of accompany this form) DATE RANSPORTER Driver's Name	Public Safety (the order, documentation of non-hazardou	s waste
NOTMAN PAVO (PRINT) AUTHORIZED AGENTS NAME nsporter's me dress P.O. Ecx)		has been ordered by the Department of accompany this form) DATE RANSPORTER	Public Safety (the order, documentation of non-hazardou	s waste
ADTIMAN DECEMENTATION (PRINT) AUTHORIZED AGENTS NAME Insporter's ne Scurget Wol Michael Ty	T Security 135 77708	has been ordered by the Department of accompany this form) DATE RANSPORTER Driver's Name	Public Safety (the order, documentation of non-hazardou	s waste
Antipolitic activity of the second se	T T T T T T T T T T T T T T	has been ordered by the Department of accompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No.	Public Safety (the order, documentation of non-hazardou Mamman Manuel Signature Manuel Signature Manuel Signature Signature Manuel Signature	s waste
(PRINT) AUTHORIZED AGENTS NAME (PRINT) AUTHORIZED AGENTS NAME Insporter's Ine Irress P.O. Ecx M.Ja.J. Ine No. 732-561 reby certify that the above named material(s	T T T T T T T T T T T T T T	has been ordered by the Department of accompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou	Public Safety (the order, documentation of non-hazardou Mamman Manuel Signature Manuel Signature Manuel Signature Signature Manuel Signature	s waste
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Market determinat Market General Galactic (PRINT) AUTHORIZED AGENTS NAME Insporter's me Subject dress P.O. Bay Market Market pone No. 932-560 SHIPMENT DATE TRUCK TIME STA : OUT: : Name/ mit No. Halfway Facility / NM1-006 fress 6601 Hobbs Hwy US 62/180 M	tion and a desciption of the waste must a T S S Mas/were picked up at the Generator's DRIVER'S SIGNATURE MP DISI MIE Marker 66 Carlsbad, NM 88220	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou State for the state POSAL FACILITY Phone No.	Public Safety (the order, documentation of non-hazardou SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE SIGNATURE DRIVER'S SIGNATURE RECEIVING AREA Name/No. S75-393-1079	s waste
A DE MAIN AUTHORIZED AGENTS NAME	Aile Marker 66 Carlsbad, NM 88220 Cone) YES NO	Anas been ordered by the Department of Incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. S site listed above and delivered withou S	Public Safety (the order, documentation of non-hazardou Signature Manuel Chawre Manuel Chawre SIGNATURE SIGNATURE Tricident to the disposal facility listed below. YDATE RECEIVING AREA Name/No.	s waste
Norman determinat Norman Gave (PRINT) AUTHORIZED AGENTS NAME Insporter's me Subset Wold dress P.O. Exp Michael Wold Michael Wold pre No. 732-567 SHIPMENT DATE TRUCK TIME STA : OUT: Name/ Malfway Facility / NM1-006 Irress 6601 Hobbs Hwy US 62/180 M	TI Security TI	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou Struck Yo. POSAL FACILITY Phone No.	Public Safety (the order, documentation of non-hazardou SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE SIGNATURE DRIVER'S SIGNATURE RECEIVING AREA Name/No. S75-393-1079	
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Morman Geterminat Morman Gave (PRINT) AUTHORIZED AGENTS NAME ansporter's ime Subset ansporter's ime Subset dress P.O. MIDACO Midaco MIDACO Midaco one No. Midaco SHIPMENT DATE TRUCK TIME STA J: OUT: e Name/ rmit No. Halfway Facility / NM1-006 G601 Hobbs Hwy US 62/180 M NORM READINGS TAKEN? (Circle PASS THE PAINT FILTER TEST? (Circle	tion and a desciption of the waste must a	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou Struck No. s site listed above and delivered withou DELIVER POSAL FACILITY Phone No. If YES, was readin NO	Public Safety (the order, documentation of non-hazardou Manual Manuel Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE SIGNATURE Tricident to the disposal facility listed below. Y DATE DRIVER'S SIGNATURE RECEIVING AREA Name/No. S75-393-1079 g > 50 micro roentgens? (circle one) YES W/BBLS Received BS&W (%)	
ADDITION OF THE AGENTS NAME ADDITION OF THE	tion and a desciption of the waste must a	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou Struck No. s site listed above and delivered withou DELIVER POSAL FACILITY Phone No. If YES, was readin NO	Public Safety (the order, documentation of non-hazardou Manuel Signature Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE Manuel Chaurz SIGNATURE SIGNATURE DRIVER'S SIGNATURE RECEIVING AREA Name/No. 575-393-1079 g > 50 micro roentgens? (circle one) YES	
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Image: Construction of the terminat Image: Construction of terminat Image: Construction	TI Security Security TI Security Security Security TI Security Securi	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou Struck No. s site listed above and delivered withou DELIVER POSAL FACILITY Phone No. If YES, was readin NO	Public Safety (the order, documentation of non-hazardou Manual Manual Manual Chawre Manual Chawre Manual Chawre Store 23 5 - 9234/ 2872 t incident to the disposal facility listed below. Y DATE DRIVER'S SIGNATURE RECEIVING AREA Name/No. 575-393-1079 g > 50 micro roentgens? (circle one) YES W/BBLS Received BS&W (%)	
A DEFINE ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	TI Security Security TI Security Security Security TI Security Securi	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou DELIVER POSAL FACILITY Phone No. If YES, was readin NO NK BOTTOMS	Public Safety (the order, documentation of non-hazardou Manual Manual Manual Chawre Manual Chawre Manual Chawre Store 23 5 - 9234/ 2872 t incident to the disposal facility listed below. Y DATE DRIVER'S SIGNATURE RECEIVING AREA Name/No. 575-393-1079 g > 50 micro roentgens? (circle one) YES W/BBLS Received BS&W (%)	
ADF MGN determinat NOF MGN GAVE (PRINT) AUTHORIZED AGENTS NAME Insporter's me Subject Mode insporter's me D. Lay IP.0. Lay Mode IP.0. La	TI Security Security TI Security Security Security TI Security Securi	has been ordered by the Department of incompany this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. s site listed above and delivered withou DELIVER POSAL FACILITY Phone No. If YES, was readin NO NK BOTTOMS	Public Safety (the order, documentation of non-hazardou Manual Manual Manual Chawre Manual Chawre Manual Chawre Store 23 5 - 9234/ 2872 t incident to the disposal facility listed below. Y DATE DRIVER'S SIGNATURE RECEIVING AREA Name/No. 575-393-1079 g > 50 micro roentgens? (circle one) YES W/BBLS Received BS&W (%)	
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ENVIRONMENT SOLUTIO Permian Basin	1000	50	Ordere AFE # PO #: Manife	mer #: Cl ed by: N4 : est #: 39 Date: 5// r: Sl m, # 27 #	ORMAN FAV 01205 21/2019 JNSET WEL ANUEL	/ER	e i		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d NERGY P STATE _LING	RODUCTIC
Facility: CRI												
Product / Serv	vice					Q	uanti	ty U	nits			
Contaminated	d Soil (RC	CRA Exem	pt)				20	.00	yards			est.
Lab Analysis:	Cell 50/51	рН 0.00	CI 0.00	Cond. 0.00	%Solids 0	TDS	PCI	/GN	I MR/HR	H2S	% Oil	Weight
Generator Ce I hereby certify 1988 regulatory X RCRA Exer RCRA Non characteristics e amended. The f MSDS Info Driver/ Agent	that accord determina mpt: Oil F -Exempt: established following o prmation	ding to the F ation, the abo ield wastes g Oil field wa in RCRA re documentati	Resource (ove descri generated ste which egulations on is attac	Conservati ibed waste from oil a is non-haz , 40 CFR 2 ched to der	on and Recov- is: nd gas explora ardous that do 261.21-261.24 monstrate the a nalysis P	ation and j bes not ex or listed h above-des	produc ceed th azardc cribed nowled	tion ne mi ous w was ge	operations and inimum standar vaste as defined te is non-hazar Other (Pro	are not mixe rds for waste l in 40 CFR, dous. (Check	ed with nor hazardous part 261, si c the appro	n-exempt wast- by ubpart D, as priate items):
Customer Ap	proval											

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

Received by	OCD: 9/23	/2020 1:	14:53 F			AZARDOUS OIL		ANNIEEST	Company Ma	Page 77 o
RIGHTENTAL CON	RH	5	3/1/1	& wold	5	(PLEASE PRIN	-			n taver
	<u></u>		vaje	~ 0~~		GENERATO	DR.	NO.	201005	
							Permit/RRC No.		291209)
erator No.	Non.	Ew	a / C . 1	25	astriat		Lease/Well	0. (CJ Do H	0
erators Name	peren	En	- 41	ince the			Name & No.	<u>Cachs</u>	starte #	7
dress	-0461	/	FIL	INK HLUN	7		County	Eddy	- 76/161	
	N CL	-9510	NCL	1 CENT	-		API No.	30-015	- (F496	
, State, Zip		EDIC	1010	1 08010			Rig Name & No.	Q		
one No.	-					C. SHELHERINGS VE	AFE/PO No.	Mandal and the second second		
	E	XEMPT E&P	and the second se	of the local division of the local divisiono	THE R. LOW CO., LANSING MICH.	Amount (place vo	plume next to wa	aste type in barrels or c	ubic yards)	Reg Suma
Based Muds Based Cuttings		1910	Contraction of the local division of the loc	I-INJECTABLE WATER	Statement of the local division of the local	SCIENCE STR	The second second	INJECTABLE WATERS Washout Water (Injectab	ole)	
ater Based Muds			Com	pletion Fluid/Flow ba	ack (Non	n-Injectable)		Completion Fluid/Flow ba	ack (Injectable)	
ater Based Cutting oduced Formation	The second s			duced Water (Non-Inj nering Line Water/Wa	1000		<u></u>	Produced Water (Injectal Gathering Line Water/Water		
nk Bottoms	i Sonas			RNAL USE ONLY	aste (NO	in-injectable/		OTHER EXEMPT WASTES	Contraction of the Contraction o	ss of the waste)
P Contaminated S	Soil	×	Truc	k Washout (exempt	waste)	or (or re-compl	M. Harmania	no dià da supera in	i i nôres e	1 2 10 1
STE GENERATI	ION PROCESS:	e abassas		LING				PRODUCTION	GATHERIN	G LINES
Conservation of	All a					Waste/Service Ider				and the second second
-Exempt Other	All n	on-exempt E	our waster	nusc de analysed and	u be belo		A REAL PROPERTY AND ADDRESS OF	P), Ignitability, Corrosivity m Non-Exempt Waste Lis	and the second sec	
ANTITY	20			B - BAR	RELS		L - LIQUID	Y-YAB	ps	E - EACH
Noi		load basis or Oil field was 261.21-261.3 hazardous is MSDS Inform Emergency r determinatio	nly) te which is 24, or listed s attached. (mation non-hazrado	non-hazardous that of hazardous waste as (Check the appropria	does not s defined ate items Hazardou ste that h e must ac	t exceed the minimu by 40 CFR, part 261 s as provided) us Waste Analysis has been ordered by ccompany this form	m standards for wa , subpart D, as amount the Department of) ATE	not mixed with non-exemp aste hazardous by character ended. The following docur Other (Provide Descriptio Public Safety (the order, c	eristics established in Re mentation demonstrati n Below)	CRA regulations, 40 CFR ng the waste as non-
isporter's 5	and	Wo	20 0	Service	a de la composition de la comp	and the second states	Driver's Name	Maurel	Charle C	65
ne <u> </u>	2.11	Pielo	2115	510(21		- index-	Print Name	Manual	churce	
1917 - J -	Midla	JEY T	0	79704	*	<u> </u>	Phone No.	132-53		
e No.	2137	.<61	- 860			- mile	Truck No.	1.872	1 5000	
10(05)kh (020.	the shove name	d material/cl			norator's	- ALL DESCRIPTION		t incident to the disposal	adility listed below	
21-15-5	1 Britt Strong Sale		n	2/	ierator s	-	3-21	-/9	activity listed below.	/
SHIPMENT	and the second second second second		Statement of the local division in the local division of the local	ER'S SIGNATURE			DELIVE	Sector Data and	DRIVER'SIGN	
:	RUCK TIN	OUT:	ЯΡ		DISI	POSAL FA	CILITY	RE Name/No		ATT
Name/		1	a i							
mit No. <u>Ha</u>	alfway Facility / M			Hat Ma		<u>i estan eç er eve</u>	Phone No.	575-393-1079		
ress 66	01 Hobbs Hwy L	JS 62/180 Mi	ile Marker 6	66 Carlsbad, NM 882	20				1.12.12	
	M READINGS TAI			YES	NO	aligajuraanut Tuolo Gii oo eenaliindoonna 2	If YES, was readir	g > 50 micro roentgens? (o	circle one) YES	NO
				4	TA		OMS	. 6	nand and a state of the state o	
	Fe	et		Inches		COMP COOPS MICH 2	14-1002			The second second
Gauge						in the state of the	BS&	W/BBLS Received Free Water	BS&W (S	6)
eived								Total Received		
I hereby certify th	nat the above loa	ad material h	as been (cir	rcle one):	CEPTED	DENIED	If denied, why?		A -	

		14:53 PM								Page 78 a
Permian Basin		Customer Customer Ordered & AFE #: PO #: Manifest # Manif. Da Hauler: Driver Truck # Card # Job Ref #	#: CF by: NC te: 5/2 SL M/ 28	JNSET WELL		ε	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		d NERGY P STATE _LING	RODUCTIC
acility: CRI										
Product / Service					Q	uantity U	nits	1. 2. 16		
ontaminated Soil (RC	CRA Exem	pt)				20.00	yards			l.
Cell	рН	CI C	ond.	%Solids	TDS	PCI/GN	I MR/HR	H2S	% Oil	Weight
	0.00		0.00	0				an fatas da terra		
Senerator Certification hereby certify that accord 988 regulatory determinan X RCRA Exempt: Oil Fi RCRA Non-Exempt: O haracteristics established mended. The following of	n Statemen ding to the F ition, the abo ield wastes g Oil field was in RCRA re documentati	nt of Waste Resource Con ove described generated fro ste which is r egulations, 40 on is attached	Status servatio waste m oil ar on-haz CFR 2 l to den	s on and Recover is: and gas explorat ardous that doe 61.21-261.24 on nonstrate the ab	ion and p s not exc r listed h pove-des	production ceed the mi azardous w cribed was	operations and inimum standar vaste as defined te is non-hazard	are not mix ds for waste in 40 CFR, lous. (Checl	ed with nor hazardous part 261, si k the appro	n-exempt wast by ubpart D, as priate items):
Ab Analysis: 50/51 Senerator Certification hereby certify that accord 988 regulatory determinal X RCRA Exempt: Oil Fi RCRA Non-Exempt: Oil Fi RCRA Non-Exempt: Oil Fi Maracteristics established mended. The following d MSDS Information Driver/ Agent Signatur	n Statemen ding to the F ttion, the abo ield wastes g Oil field was in RCRA re documentati RCRA I	nt of Waste Resource Con ove described generated fro ste which is r egulations, 40 on is attached	Status servatio waste m oil ar on-haz CFR 2 l to den	s on and Recover is: and gas exploration ardous that doe c61.21-261.24 on nonstrate the about the about the second alysis Pro-	ion and p s not exo r listed h pove-des pcess Kn	production ceed the mi azardous w cribed was	operations and inimum standar vaste as defined te is non-hazard Other (Pro	are not mix ds for waste in 40 CFR, lous. (Checl	ed with nor hazardous part 261, si k the appro	n-exempt wast by ubpart D, as priate items):
Senerator Certification hereby certify that accord 988 regulatory determinat X RCRA Exempt: Oil Fi RCRA Non-Exempt: O characteristics established mended. The following d MSDS Information	n Statemen ding to the F ition, the abo ield wastes g Oil field was in RCRA re documentati RCRA H	nt of Waste Resource Con ove described generated fro ste which is r egulations, 40 on is attached Hazardous W	Status servatio waste n oil ar on-haz CFR 2 i to den aste An	s on and Recover is: and gas explorati ardous that doe 61.21-261.24 on nonstrate the ab alysis Pro R360 R IS NOT A	ion and p es not exo r listed h bove-des bocess Kn epresen	production ceed the mi azardous w cribed was owledge ntative Si	operations and inimum standar vaste as defined te is non-hazard Other (Pro gnature	are not mix ds for waste in 40 CFR, lous. (Checl	ed with nor hazardous part 261, si k the appro	n-exempt wast by ubpart D, as priate items):

Received	by OCD: 9/23/20	20 1:14:53 PM					Page 79 0
3360	PIL	A NEW	MEXICO NON-HAZARDO	JS OILFIELD WASTE		N La	Contact Information
RONMENTAL SOLUTIONS	Lui	10 Jansa	& Welliplease	PRINT) / 24	Phon		n jawa
			GENER	ATOR	NO.	391204	
erator No.			GLIVEI	and a state to a state		331204	
	Dama		anten billinning.	Permit/RRC No. Lease/Well	011-5	AA W	0
erators Nam	le peulos c	There	The second second second	Name & No.	L'actus (rale A	1
dress		/ KUPIS	muy -	County	20 015	- 28496	
· State 7in	Articia	- Am.	01538	API No.	20-00		
, State, Zip one No.		IN NOCE STREET	DIS T SHE CALL MANAGER SIL	Rig Name & No. AFE/PO No.	11 1 12 12 12 12 12 12 12 12 12 12 12 12	10	AL
	EVEN	IDT ES D Maste (Can inc	Identification and Amount (ionvers sincen an		1	
Based Mud		And a second	Identification and Amount (p ABLE WATERS	nace volume next to w	INJECTABLE WATERS	bic yards)	
Based Cutti	Sector Se	Washout Wa	ater (Non-Injectable)		Washout Water (Injectabl	Sector and the sector of the s	
ter Based N ter Based C			Fluid/Flow back (Non-Injectable) ater (Non-Injectable)	n in the state of a	Completion Fluid/Flow ba Produced Water (Injectab	and the second	A DESCRIPTION OF
duced Form k Bottoms	nation Solids	Gathering Lir	ne Water/Waste (Non-Injectable		Gathering Line Water/Wa	ste (Injectable)	
P Contamina	ated Soil	INTERNAL US Truck Washo	SE ONLY out (exempt waste)		OTHER EXEMPT WASTES (t	ype and generation proces	s of the waste)
s Plant Wast				S. J. De marker and market		ale el person	
STE GENE	RATION PROCESS:	DRILLING	COMPL	ETION	PRODUCTION	GATHERING	G LINES
diam'r	All pose	remot F&P waste must be	NON-EXEMPT E&P Waste/Serv analysed and be below the thres			nd Repetivity	Sound and the second
-Exempt Ot	A STATE OF A	accopriser waste must be	anarysed and be below the thres	and the second se	P), Ignitability, Corrosivity a m Non-Exempt Waste List		1
	2.5	to a v				1	
ANTITY	10	A market of the second se	B - BARRELS	L - LIQUID	Y-YARD		E - EACH
			covery Act (RCRA) and the US En	vironmental Protection Ag	ency's July 1988 regulatory	determination, the abo	ve described waste
a is (Check W	he appropriate classificatio		oil and gas exploration and prod	VTD.	224 0. 14 Photos	s (0050 A	43 - 19 - 00 - 00
] EMERGE		IS Information rgency non-hazradous, non- rmination and a desciption	-oilfeild waste that has been ord of the waste must accompany th	ered by the Department o	Other (Provide Description		azardous waste
Ne	orman 1	-aver		5-21-19	Norma		2
(PR	RINT) AUTHORIZED AGENTS NAME			DATE	1	SIGNATURE	
nsporter's	0	100	TRANSP	ORTER	A.		
ne	Singel.	well sau	NCP	Driver's Name	Mane	Chave	
ress	P.a. Ja		·	Print Name	Manuel	Chanve,	
	Midland	1 TX 79	1708	Phone No.	432 534	- 3233	
ne No.	432 - :	561- 8600	and the second second	Truck No.	2872		
reby certify	that the above named ma	terial(s) was/were picked u	p at the Generator's site listed a	oove and delivered withou	t incident to the disposal fac	ility listed below.	7
SHIP	MENT DATE	DRIVER'S SIGNATI			<u>[]</u>	10 m	
	TRUCK TIME		DISPOSAL	(1)			
:			DISPUSAL	FACILITY		CEIVING AREA	-1
	00		sut ameticae		Name/No.	,01	
Name/ mit No.	Halfway Facility / NM1-	006		Phone No.	575-393-1079		
ress	6601 Hobbs Hwy US 62	/180 Mile Marker 66 Carlsb	ad, NM 88220-				11 TH 14
1	NORM READINGS TAKEN?	(Circle One) YES	(NO	If YES, was readir	ng > 50 micro roentgens? (ci	cle one) YES	NO
PAS	S THE PAINT FILTER TEST?	(Circle One)	YES	NO			
			TANK BC	TTOMS			
	Feet		Inches	A Streets Internation	-7 ca.8, 24	70 100 10	
Gauge Gauge			IN STREET	BS&	W/BBLS Received	BS&W (%))
eived			(hpaph) -		Free Water Total Received	the second second	and a second
	2		o sumana			2	
hereby certi	ify that the above load ma	iterial has been (circle one):	ACCEPTED DENI	D If denied, why?		A	
100	man	<u>un</u> D	IL LI	(D)	N	hi	
	NAME (PRINT)		DATE	TITLE		STGNATURE	
120							1
.38	White - R360 OR	IGINAL Yellow - T	RANSPORTER COPY Pi	nk - GENERATOR SIT	E COPY Gold - RETU	IRN TO GENERATO	Version 1

Received by O	CD: 9/23	/2020 1:14	:53 PM								Page 80 of 88
ENVIRONMENT SOLUTIO Permian Basin	NS 🧹	2	Ordere AFE #: PO #: Manife	ner #: C ed by: N st #: 39 Date: 5/ : S M # 28	ORMAN FAVE	R		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		INERGY P	RODUCTIC
Facility: CRI											
Product / Serv	vice		SIL CLE	0.00		Q	uantity U	nits			
Contaminated	Soil (R	CRA Exem	ipt)				20.00	yards			
Lab Analysis:	Cell	рН 0.00	CI 0.00	Cond. 0.00	%Solids	TDS	PCI/GN	1 MR/HR	H2S	% Oil	Weight
_ RCRA Non- characteristics es amended. The f	that accord determina npt: Oil F -Exempt: stablished ollowing or rmation	ding to the 1 ttion, the ab ield wastes Oil field wa in RCRA r documentat RCRA	Resource C ove descril generated ste which egulations, ion is attac	Conservati bed waste from oil a is non-haz , 40 CFR 2 hed to der	on and Recovery is: nd gas exploration cardous that does 261.21-261.24 or monstrate the ab- nalysis Pro	on and p s not exc listed h ove-des cess Kn	production ceed the mini- azardous w cribed was	operations and inimum standar vaste as defined te is non-hazar Other (Pro	are not mix ds for waste l in 40 CFR, dous. (Checl	ed with nor hazardous part 261, so k the approp	n-exempt wast by ubpart D, as priate items):
Customer App	oroval										
				THIS	IS NOT A	AN IN	VOIC	E! {}			
Approved By:						Da	ate:	Z			

736 <u>0</u>	NEW MEXICO NON-HAZARDOU	JS OILFIELD WASTE N PRINT)	MANIFEST Company Name	Man Contact Informa
	(PLEASE	PRINT)	Phone No	na la la segura a sum
	GENER	RATOR	NO. 3912	12
perator No.	sedijun bes-	Permit/RRC No.		02
perators Name Deuch Eno	Zee Le	Lease/Well		
GUCE >	Baues Hum	Name & No.	Castin Cl. 10	HS
dress 0961	nervers crory	County	Elan Male	
y, State, Zip Artogic	NH~ 88210	API No.	20 -1015 - 184	196
one No.		Rig Name & No.	20 200 201	150
	at such as	AFE/PO No.		
Based Muds	Waste/Service Identification and Amount (p NON-INJECTABLE WATERS	place volume next to wa	iste type in barrels or cubic yards) INJECTABLE WATERS	
Based Cuttings	Washout Water (Non-Injectable)		Washout Water (Injectable)	
ater Based Muds	Completion Fluid/Flow back (Non-Injectable)	,	Completion Fluid/Flow back (Injectable)	
oduced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)	3	Produced Water (Injectable) Gathering Line Water/Waste (Injectable)	
nk Bottoms	INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation	process of the waste)
is Plant Waste	_ Truck Washout (exempt waste)	in the strength of the	Le - Bar Marsh	
ASTE GENERATION PROCESS:		TION	PRODUCTION GATH	ERING LINES
The second s	NON-EXEMPT E&P Waste/Serv			A MARKAN MILL
	P waste must be analysed and be below the thresh	hold limits for toxicity (TCL	P), Ignitability, Corrosivity and Reactivity.	and an entry in the
n-Exempt Other		*please select from	m Non-Exempt Waste List on back	
ANTITY ZO	B - BARRELS	L - LIQUID	Y-YARDS	E - EACH
eby certify that according to the Resource Cor	servation and Recovery Act (RCRA) and the US Env	vironmental Protection Age	ency's July 1988 regulatory determination, th	e above described waste
d is (Check-the appropriate classification)				
RCRA EXEMPT: Oil field waste load basis only	s generated from oil and gas exploration and prod	uction operations and are r	not mixed with non-exempt waste (R360 Acc	epts certifications on a p
MSDS Informa	ttached. (Check the appropriate items as provided)	nded. The following documentation demons Other (Provide Description Below)	trating the waste as non-
EMERGENCY NON-OILFEILD: Emergency no determination	ttached. (Check the appropriate items as provided)) lysis	Other (Provide Description Below)	
EMERGENCY NON-OILFEILD: Emergency no determination	ttached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana n-hazradous, non-oilfeild waste that has been orde) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r	
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EMERGENCY NON-OILFEILD: EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME	ttached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana n-hazradous, non-oilfeild waste that has been orde) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r	
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MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME Insporter's me dress PAC Bay MCD Bay me No. Treby certify that the above named material(s) w SZI-IA	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the ITRANSP Selection ITRANSP Selection ITRANSP) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r SiGyATURE Manuel Cha Agnuel Cha (32 - 934 - 92 ZE72 incident to the disposal facility listed below.	non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME Insporter's me dress PAC Beach PAC B	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the TRANSP Second Second JANOSE JANOSE DRIVER'S SIGNATURE) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r SIGNATURE Manch Manuel Man	Non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME PRINT OUTHORIZED AGENTS NAME PRINT DATE MSDS Informa Emergency no determination (PRINT) AUTHORIZED AGENTS NAME PRINT DATE TRUCK TIME STAM	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the TRANSP Selection TRANSP DRIVER'S SIGNATURE DRIVER'S SIGNATURE) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r Manuel Manuel Manuel Age 2 Seg 2 incident to the disposal facility listed below. Mare DRIVERS RECEIVING A	Non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME PRINT DATE TRUCK TIME STAM	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the TRANSP Second Second JANOSE JANOSE DRIVER'S SIGNATURE) Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r SIGNATURE Manch Manuel Man	Non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME Insporter's me dress PCL Bay MCD Bay Treby certify that the above named material(s) w SZI-IA SHIPMENT DATE TRUCK TIME STAM :OUT:	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the TRANSP Second Second JANOSE JANOSE DRIVER'S SIGNATURE	Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r BigyArure SigyArure SigyArure SigyArure SigyArure Data Chan SigyArure Data Chan SigyArure Data Chan SigyArure Data Chan SigyArure SigyArure Data Chan SigyArure SigyAru	Non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME TRUCK TIME STAM TRUCK TIME STAM Mit No. Halfway Facility / NM1-006	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the ITRANSP Selection Arriver's signature P DISPOSAL	Ilysis	Other (Provide Description Below) Public Safety (the order, documentation of r Manuel Manuel Manuel Age 2 Seg 2 incident to the disposal facility listed below. Mare DRIVERS RECEIVING A	Non-hazardous waste
MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME (PRINT) AUTHORIZED AGENTS NAME (PRINT)	Ittached. (Check the appropriate items as provided ation RCRA Hazardous Waste Ana In-hazradous, non-oilfeild waste that has been order and a desciption of the waste must accompany the ITRANSP Selection Vas/were picked up at the Generator's site listed at DRIVER'S SIGNATURE IP DISPOSAL Marker 66 Carlsbad, NM 88220	Iniver's Name Print Name Print Name Phone No. Truck No. DELIVERY FACILITY Phone No.	Other (Provide Description Below) Public Safety (the order, documentation of r Manuel Manuel Manuel Gare RECEIVING A Name/No. S75-393-1079	Non-hazardous waste
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Received by OCD: 9/23/2020 1:14	:53 PM					Page 82 of 88
R3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: CASH-Halfwa Customer #: CRI1770 Ordered by: NORMAN FA AFE #: PO #: Manifest #: 391208 Manif. Date: 5/21/2019 Hauler: SUNSET WE Driver MANUEL Truck # 2872 Card # Job Ref #	VER	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	28496	d NERGY P STATE LLING	RODUCTIC
Facility: CRI						
Product / Service		Quantity U	nits		10	
Contaminated Soil (RCRA Exemp	ot)	20.00 y	yards			12
Cell pH	CI Cond. %Solids	TDS PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00 Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g _ RCRA Non-Exempt: Oil field wastes characteristics established in RCRA re amended. The following documentation _ MSDS Information _ RCRA H	esource Conservation and Recove described waste is: enerated from oil and gas explote which is non-hazardous that of gulations, 40 CFR 261.21-261.24 on is attached to demonstrate the	ration and production does not exceed the mi 4 or listed hazardous w e above-described wast	operations and nimum standar aste as defined te is non-hazard	are not mixe ds for waste in 40 CFR, dous. (Check	ed with nor hazardous part 261, su the approp	exempt waster by ubpart D, as priate items):
Driver/ Agent Signature	R360	Representative Sig	gnature			
Customer Approval						
	THIS IS NOT		<u>بوا</u>			2
Approved By:		Date:	∇_{n}			-1 5.a - 1

360	NEW MEXICO NON-HAZARDO	1 .	2.1	matior
	(PLEAS	E PRINT)	Name Vor Man Do	avr
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	GENE	AND REAL PROPERTY AND REAL PROPERTY.	NO. 391208	
erator No.	valie Stienetts	Permit/RRC No. Lease/Well	2 (5/ / / 8	_
erators Name Devon Cu	reis y	Name & No.	Cactus State # 9	(
dress 0488	7 RIVERS HWY	County		
Address	A 144 (255)	API No.	50-017-28496	
, State, Zip Artesia	10m 1140	Rig Name & No.		_
ne No	an an an ann an an an an	AFE/PO No.	PIT	-
	Waste/Service Identification and Amount ((place volume next to wa		
Based Muds Based Cuttings	NON-INJECTABLE WATERS Washout Water (Non-Injectable)		INJECTABLE WATERS Washout Water (Injectable)	_
ter Based Muds	Completion Fluid/Flow back (Non-Injectable	2)	Completion Fluid/Flow back (Injectable)	
ter Based Cuttings duced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable	(a)	Produced Water (Injectable) Gathering Line Water/Waste (Injectable)	_
k Bottoms	INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation process of the waste)	
P Contaminated SoilX	Truck Washout (exempt waste)	त्र भटते) तात ्य स्थलम्बर - ५५	N IS IN TALL MENTANDER P.	
STE GENERATION PROCESS:		LETION	PRODUCTION GATHERING LINES	
The style - the finder single as she into a	NON-EXEMPT E&P Waste/Ser	rvice Identification and Amo	unt	-
	&P waste must be analysed and be below the three			
-Exempt Other	E.	*please select fro	m Non-Exempt Waste List on back	
	B - BARRELS	L - LIQUID	(Y-YARDS) E-EACH	
eby certify that according to the Resource Co	inservation and Recovery Act (RCRA) and the US Fr		ency's July 1988 regulatory determination, the above described wast	te
is (Check the appropriate classification)		in on the tar in tote call in the	they study 1900 regulatory determination, the above described wast	ite
RCRA EXEMPT: Oil field wast	es generated from oil and gas exploration and pro	duction operations and are	not mixed with non-exempt waste (R360 Accepts certifications on a	per
	nation RCRA Hazardous Waste Ar	nalysis	Other (Provide Description Below)	
determinatio	and the second	dered by the Department of	Other (Provide Description Below) Public Safety (the order, documentation of non-hazardous waste	-
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Permian Basin		Ordered AFE #: PO #: Manifes	er #: CF d by: NC st #: 39 Date: 5/2 SU M, 28	DRMAN FAVE		•	Field #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	28496	I IERGY P STATE LING	RODUCTIC	
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Generator Ce I hereby certify 1988 regulatory X RCRA Exe RCRA Nor characteristics e amended. The MSDS Info	that accor determination mpt: Oil F n-Exempt: established following	ding to the F ation, the abo field wastes g Oil field was l in RCRA re documentati	esource C ove describ generated f ste which i gulations, on is attacl	onservati bed waste from oil a s non-haz 40 CFR 2 hed to der	on and Recove is: nd gas explorat ardous that do 261.21-261.24 c nonstrate the a	tion and p es not exc or listed h bove-des	production seed the mini- azardous w cribed was	operations and inimum standar vaste as defined te is non-hazar	l are not mixe rds for waste d in 40 CFR, j dous. (Check	d with nor hazardous part 261, s the appro	n-exempt wast- by ubpart D, as priate items):
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Control C	360	NEW MEXICO NON-H	AZARDOUS OILFIELD WASTE I (PLEASE PRINT)	MANIFEST Nar	Company Man Contact Informatic
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	hazardous is a MSDS Informa MSDS Informa EMERGENCY NON-OILFEILD: Emergency no determination (PRINT) AUTHORIZED AGENTS NAME Sporter's e Sporter's FOUND (PRINT) AUTHORIZED AGENTS NAME Sporter's FOUND (PRINT) AUTHORIZED AGENTS NAME (CICLE OF PASS THE PAINT FILTER TEST? (Circle OF PASS THE PAINT FILTER TEST	ttached. (Check the appropriate items tion RCRA Hazardous n-hazradous, non-oilfeild waste that ha and a desciption of the waste must ac C TR S S C D S M TA Inches been (circle one): ACCEPTED	by 40 CFR, part 261, subpart D, as and as provided) s Waste Analysis as been ordered by the Department o company this form) DATE RANSPORTER Driver's Name Print Name Phone No. Truck No. site listed above and delivered withou DEUVEI POSAL FACILITY Phone No. If YES, was readir NO NK BOTTOMS BS8 DENIED If denjed, why?	ended. The following document Other (Provide Description Bel f Public Safety (the order, docur Manuel Manuel CE 739 ZE7Z tt incident to the disposal facility SEV DATE RECE Name/NO. 575-393-1079	ation demonstrating the waste as non- ow) nentation of non-hazardous waste SIGNATURE

C-138 White - R360 ORIGINAL Yellow - TRANSPORTER COPY Pink - GENERATOR SITE COPY Gold - RETURN TO GENERATOR Version 1

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R3600 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CR124 Ordered by: NORM AFE #: PO #: Manifest #: 39121 Manif. Date: 5/22/2	MAN FAVER 19 2019 SET WELL	JCTIOI Ticket #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	28496	PRODUCTIC
Facility: CRI					
Product / Service	State and the	Qua	antity Units		
Contaminated Soil (RCRA Exemp	t)		20.00 yards		
Cell pH Lab Analysis: 50/51 0.00	Cl Cond. %	%Solids TDS	PCI/GM MR/HR	H2S % Oil	Weight
Generator Certification Statemen I hereby certify that according to the Re 1988 regulatory determination, the abor X RCRA Exempt: Oil Field wastes gr RCRA Non-Exempt: Oil field wastes characteristics established in RCRA reg amended. The following documentation MSDS Information _ RCRA H Driver/ Agent Signature	esource Conservation a ve described waste is: enerated from oil and g te which is non-hazard gulations, 40 CFR 261. n is attached to demon	as exploration and pro- ous that does not excee 21-261.24 or listed haz strate the above-descri	oduction operations and ed the minimum standa ardous waste as define ibed waste is non-haza wledge Other (Pro	d are not mixed with no rds for waste hazardou d in 40 CFR, part 261, rdous. (Check the appr	on-exempt waste as by subpart D, as opriate items):
Customer Approval					
	THIS IS	NOT AN IN	VOICE!		У.
Approved By:		Dat	e:Y	/	Norach 1919 - No

Received by OCD: 9/23/2020 1	:14:53 PM			Page 87 0
3360		AZARDOUS OILFIELD WASTE (PLEASE PRINT)	MANIFEST Company Ma Name Market	an Contact Information
SOLUTIONS		and the second se	Phone No.	
	6	ENERATOR		1
	<u>_</u>	ILINERATOR	NO. 391219	9
perator No.		Permit/RRC No.		TON 4-1 -
erators Name Deven En	lergy	Lease/Well Name & No.	Cactus State #	9
11166 7	REPT Have haden		Fall	
dress 0468	FIVED HWY	County	Dele hier Deller	
	1 hun 20 210	API No.	00013 26919 -	
y, State, Zip Mrtes (a	NM 7800	Rig Name & No.	- 12 - 12 - 2	
one No.	a construction of the state of the server of the	AFE/PO No.	WEST 150539.01	. ABD
EXEMPT F	&P Waste/Service Identification and A	mount (place volume pert to w	aste type in barrels or cubic yards)	
il Based Muds	NON-INJECTABLE WATERS		INJECTABLE WATERS	
il Based Cuttings	Washout Water (Non-Injectable)		Washout Water (Injectable)	
ater Based Muds	Completion Fluid/Flow back (Non-	Injectable)	Completion Fluid/Flow back (Injectable)	
ater Based Cuttings	Produced Water (Non-Injectable)	sprendling stored - der angeren	Produced Water (Injectable)	
roduced Formation Solids	Gathering Line Water/Waste (Non INTERNAL USE ONLY	-Injectable)	Gathering Line Water/Waste (Injectable)	
&P Contaminated Soil	Truck Washout (exempt waste)		OTHER EXEMPT WASTES (type and generation proc	ess of the waste)
as Plant Waste		(moa-91 004) na	Buly Mu	10
ASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION GATHERI	NG LINES
The second statement of the second	NON-EXEMPT ES.P.	Waste/Service Identification and Am		
All non-exemp	ot E&P waste must be analysed and be below			1 gent
n-Exempt Other		send a second	om Non-Exempt Waste List on back	
5.2				
JANTITY ZU	B - BARRELS	L - LIQUID	Y-YARDS	E - EACH
ereby certify that according to the Resource	Conservation and Recovery Act (RCRA) and	the US Environmental Protection Ar	gency's July 1988 regulatory determination, the ab	ove described waste
d is (Check the appropriate classification)		UL 2.1		ove described waste
EMERGENCY NON-OILFEILD: Emergence			Other (Provide Description Below)	hazardous waste
determina	ation and a desciption of the waste must acc	ompany this form)	1 (1)	-
Norman raver	Thing whisters	Helian of a distance in the second	Moman thom	J
(FRINT) AUTHORIZED AGENTS NAME		DATE	SIGNATURE	
	TR	ANSPORTER		
ansporter's	1 South		11 1 21	
ime <u>Mugel</u> ver	Senici	Driver's Name	Manuel Chaves	
dress P.O. Box 113	59	Print Name	Manuel Chaver	
Midland	17 19708	Phone No.	505-379-9134	
one No. 637- 361	- 84W	- Truck No.	2872	
ereby certify that the above named material	(s) was/werg nicked up at the Concentration	- A LA CONTRACTOR OF A LAND MALE TO	ut incident to the disposal facility listed below.	0.0
5-22 - 18	in the picked up at the Generator's s	the listed above and delivered withou	2 -15	CL
SHIPMENT DATE	DRIVER'S SIGNATURE	starts	RY DATE DRIVER'S SIGN	
TRUCK TIME STA	the second se	Contraction of the second s		
		OSAL FACILITY	RECEIVING ARE	Α,)
N: OUT: _	12 · · · · · · · · · · · · · · · · · · ·		Name/No. 50	151
e Name/				
rmit No. Halfway Facility / NM1-006	and the second se	Phone No.	575-393-1079	
Idress 6601 Hobbs Hwy US 62/180 M	Mile Marker 66 Carlsbad, NM 88220	out to the antine structure of	N/2 01 1	
10 C 10 - 17				
NORM READINGS TAKEN? (Circl			ng > 50 micro roentgens? (circle one) YES	NO
PASS THE PAINT FILTER TEST? (Circle	le One) YES	NO		0 212
	TAN	NK BOTTOMS		
Feet	Inches	and mission we are used as		
t Gauge		BS8	W/BBLS Received BS&W (%)
d Gauge		on some in the second	Free Water	
ceived		e manageroop s	Total Received	-
I hereby certify that the above load material	has been (circle one): ACCEPTED	DENIED If denied, why?		
		DENIED If denied, why?	The All	
GIV MIL	Ince \$197	- Ou Ha	5 Inta	~
NAME (PRINT	UN CL STR	- Aute	35 Main	
NAME (PRINTY	MU DATE THE		S SIGNATURE	$ \rightarrow $
138 White - R360 ORIGIN		TITLE	- 10	OR Version 1

Received by OCD: 9	0/23/2020 1:14	4:53 PM							Page 88 of 88
R36 ENVIRONMENTAL SOLUTIONS Permian Basin	50	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	NORMAN FAVE	ER	DUCTIOI	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	28496	00D7S NERGY P STATE LLING	RODUCTIC
Facility: CRI									
Product / Service		W. See See		Q	uantity U	Inits			
Contaminated Soil (I	RCRA Exem	pt)			20.00	yards			
Cell	pН	CI Con		TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 Generator Certificati I hereby certify that accord 1988 regulatory determit X RCRA Exempt: Oil RCRA Non-Exempt characteristics established amended. The followin MSDS Information Driver/ Agent Signat	ording to the F nation, the abo Field wastes g t: Oil field was ed in RCRA re g documentati RCRA F	Resource Conser ove described wa generated from c ste which is non- egulations, 40 CI on is attached to	atus vation and Recove aste is: bil and gas explorat -hazardous that do FR 261.21-261.24 c demonstrate the a e Analysis Pr	tion and p es not exe r listed h bove-des ocess Kr	production ceed the m azardous v cribed was	operations and inimum standa vaste as defined ste is non-hazar Other (Pro	l are not mix rds for waste d in 40 CFR, dous. (Chec	ed with nor hazardous part 261, s k the appro	n-exempt wast- by ubpart D, as priate items):
Sinten Agent oighat			10001	Sprood		gnataro			
Customer Approval		THI	IS IS NOT		NVOIC	CE!			2 2 2

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