



September 8, 2017

Ms. Olivia Yu
Environmental Specialist
NMOCD, District 1
1625 N. French Drive
Hobbs, New Mexico 88240

APPROVED

By Olivia Yu at 2:17 pm, Oct 02, 2017

NMOCD grants closure to 1RP-1849.

Re: Angell #1 Tank Battery Remediation Closure Report (IRP #1849)

Dear Ms. Yu,

Pike Energy Services, LLC (PES) conducted release characterization and remediation activities at the BC Operating, Inc. (BC) Angell #1 Tank Battery located south of Lovington, New Mexico. Characterization activities consisted of the collection of soil samples per the approved release characterization work plan dated April 13, 2017 to determine the nature and extent of contamination. Remediation activities included excavation of impacted soil from the affected area, confirmation samples of the excavation surface edges, sidewalls, and floor, disposal of the excavated material as RCRA exempt waste, installation of a 30-mil poly-liner, and backfill and grading of the excavated area. This Closure Report documents the remediation activities conducted at the Angell #1.

BACKGROUND

A reported 20 barrels of oil was released as the result of a tank battery overflow that occurred on April 22, 2008. The release was reported to the New Mexico Oil Conservation Division (OCD) using *Form C-141 for Release Notification and Corrective Action*, by BC Operating (BC) on April 23, 2008. According to the C-141, the release was contained inside the fire wall of the tank battery and 18 of the 20 barrels released were recovered with a vacuum truck. Vertical delineation of TPH and Chloride was requested by NMCOD with the final C-141.

Due to the unknown status of the C-141, a site visit was conducted by personnel from BC, OCD and Pike on March 22, 2017 to observe the current site conditions. Observations made during that visit included historical staining inside the berm wall, an area of fresh caliche covering stained soil around the circulation pump but inside the berm wall, and an area of stressed vegetation off the northwest corner of the well pad from a presumed spray from the oil water separator. The OCD requested that BC characterize the release according to the *Conditions of Approval (COA)* issued by the Environmental Bureau Chief, Jim Griswold in January 2017. The Release Characterization Work Plan was submitted to and approved by the OCD on April 13, 2017.

DETERMINATION OF REMEDIATION ACTION LEVELS

Site specific Remediation Action Levels (RALs) were determined following the OCD, *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993, and based on the findings of the Release Characterization Work Plan. The guidelines provide remediation action levels based on depth to groundwater, distance from wellhead protection areas, and distance to surface water bodies. Based on these criteria, potential contaminants of concern (COCs) were assigned the following site specific RALs: Benzene 10 mg/kg, Benzene, Toluene, Ethylbenzene and Xylene (BTEX) 50 mg/kg, Total Petroleum Hydrocarbons (TPH) 1,000 mg/kg, and Chloride 600 mg/kg.

RELEASE CHARACTERIZATION AND PROPOSED REMEDIATION

Release characterization activities were conducted by Pike on April 26 and 27, 2017. Upon review of the Release Characterization Report dated May 31, 2017, the OCD requested additional vertical delineation to at least 30 feet below grade based on the results of the previous attempt. The report also recommended additional horizontal delineation on the south and southeast sides of the tank battery. Subsequent horizontal delineation sampling was conducted on June 7, 2017 to delineate the extents of contamination above the RALs on the southeast corner of the tank battery with vertical delineation sampling conducted on June 26, 2017. Addendum 1 of the Release Characterization Report dated August 11, 2017 was submitted to the OCD for review along with proposed remediation. Proposed remediation included a four-foot excavation and properly keyed liner (minimum 20 mil) for the bermed tank battery area with confirmation samples of the edges, sidewalls and floor of the excavation. The Release Characterization Report and proposed remediation activities were approved by the OCD on August 23, 2017.

REMEDICATION AND CONFIRMATION SAMPLING

Remediation activities were initiated on June 20, 2017 with the removal of production equipment and pushing the contaminated berm walls to the center of the tank battery with a backhoe. Excavation of contaminated soil was accomplished with the use of a track hoe starting outside of the tank battery on the north side and advanced to four feet below grade (the level of the well pad and tank battery floor). Excavated soils were loaded directly into trucks or staged on the adjacent contaminated areas for loading at a later time. Confirmation sampling of the excavation was conducted in progression with excavation activities to confirm areas where soil had been adequately removed and to identify areas where soils remained with contamination above the RALs. In general, sidewall confirmation samples were collected at the surface and at two feet below grade. The exception to this sampling scheme was employed along the north and west sides of the excavation where only one sample was collected at the two-foot interval or the surface of the pasture. It is important to note that sample nomenclature was determined by location and depth. For example, N1-2 was the first sample collected on the north side of the excavation (N1) and was collected at two-feet below grade (2). A site map illustrating the extents of the excavation and sample locations is presented in **Figure 1**. Additionally, a photograph log is provided in **Appendix A** with corresponding Log Book in **Appendix B**.

During confirmation sampling events, soil samples were collected and placed in laboratory-supplied glass jars, given unique identification, packed on ice in laboratory-supplied coolers, and shipped for overnight delivery under chain of custody via FedEx to ESC Lab Sciences (ESC) in Mount Juliet, TN, for analysis of: TPH by EPA Method 8015 for Diesel Range Organics (DRO) and Oil Range Organics (ORO), 8021 for Benzene, BTEX and Gasoline Range Organics (GRO) and Chloride by EPA Method 9056A. A summary of the analytical results for characterization is presented in **Table 1** with a copy of the full laboratory reports provided in **Appendix C**.

The excavation was extended laterally based on the results of confirmation sample analysis as necessary on the north to central portion of the east side, the south side of the southeast corner and the west side of the southwest

corner. The following descriptions explain the process of extending or stepping out the excavation to remove contaminated soil above RALs.

Elevated concentrations of TPH were identified along the northern portion of the east side of the excavation at sample location EN1-0 of 1,127 mg/kg. This was assumed to be a result of production equipment removal activities as TPH was not identified in the two-foot sample and was not encountered in this area above RALs during the release characterization sampling event. As such, this area was excavated to one-foot below grade along the east side of the existing excavation and is illustrated with diagonal hatch in **Figure 1**. Confirmation samples indicating removal of TPH contaminated soil above the RAL in this area were reported in samples EN1-1, EN2-1 and EN3-0.

Concentrations of chloride above the RAL were reported at sample location EC1 located on the east and central corner of the initial excavation indicated the need for additional soil removal in this area. This area was excavated to four feet below grade extending this portion of the excavation from sample location EC1 by 25 feet north and 35 feet east to the east wall of the southern portion of the excavation as indicated with the dashed line in **Figure 1**. Confirmation samples indicating complete removal of Chloride contaminated soil above the RAL in this area were reported in samples EC2-1 and EC2-2 to the north and samples ESN2-0 and ESN2-2 to the east.

On the south wall of the excavation, sample location SE1 reported concentrations of chloride above the RAL in both the surface and two-foot intervals. This area was extended south 10 feet and re-sampled at sample location SE2 where concentrations of chloride remained above the RAL in both intervals. The initial and secondary extent of excavation in this area are presented with dashed lines in **Figure 1**. The excavation was extended south in this area an additional 10 feet where confirmation samples SE3-0 and SE3-2, SC1-0 and SC1-2, and ESS2-0 and ESS2-2 reported contamination below the RALs.

Finally, concentrations of chloride above the RAL were identified in sample WS1-2 on the west side of the excavation. Upon visiting the site, it was determined that the excavation was not square in the southwest corner and additional excavation was conducted extending the west wall approximately 5 feet west in the southwest corner to straighten the west side of the excavation. The initial extent of excavation is illustrated with a dashed line on **Figure 1**. Confirmation samples WS2-2 and WS3-2 collected from the west side wall of the excavation reported contamination of chloride below the RAL.

Once confirmation sampling of the surface and sidewalls was completed indicating complete removal of contaminated soil above the RALs, keyways were excavated around the perimeter of the excavation approximately three feet wide and one foot deep to anchor the plastic liner in place. Excavated material from keyway construction was hauled off for disposal. A total of 3,360 cubic yards of contaminated material was excavated and hauled off to the R360 “half-way point” station located west of Hobbs, NM for disposal as RCRA exempt waste. Copies of the load tickets from R360 are provided in **Appendix D**.

SITE CLOSURE

Site closure activities were initiated on August 24, 2017 with the installation of a 30 mil. poly liner that was sized in the field and constructed with double welded seams. The liner was installed in the bottom of the excavation by burying the edges in the trenched keyways around the perimeter of the excavation in order to anchor the liner and cap the remaining contaminated soil. The excavation was then backfilled with clean backfill material (caliche) in one foot lifts and compacted with a sheep foot roller to the level of the existing well pad. The backfilled excavation was graded with a maintainer to the contour of the well pad with a gradual slope to the pasture on the north and west sides to match the existing drainage pattern of the location. Backfill materials were mined from a local caliche pit located 1.5 miles south of the site on the Angell Ranch and referred to as the Angell Caliche Pit (ACP). Backfill materials were sampled for Chloride by EPA method 9056

and determined to be clean. Laboratory analytical reports for sampling of the backfill materials are included in **Appendix C**. Site closure was completed on August 31, 2017.

CONCLUSIONS AND RECOMMENDATIONS

Contaminated tank battery and well pad materials have been removed to below Site Specific RALs for the identified contaminants of concern at the Angell #1. Based on the results of confirmation samples, Pike, on behalf of BC Operating, requests closure of the site for this remedial action.

If you have any questions or need additional information, please contact me at (210) 363-2431.

Respectfully Yours,
PIKE ENERGY SERVICES, LLC

A handwritten signature in black ink, appearing to read 'F. Engallina', with a stylized flourish at the end.

Frank Engallina
President

Attachments:

Figure 1

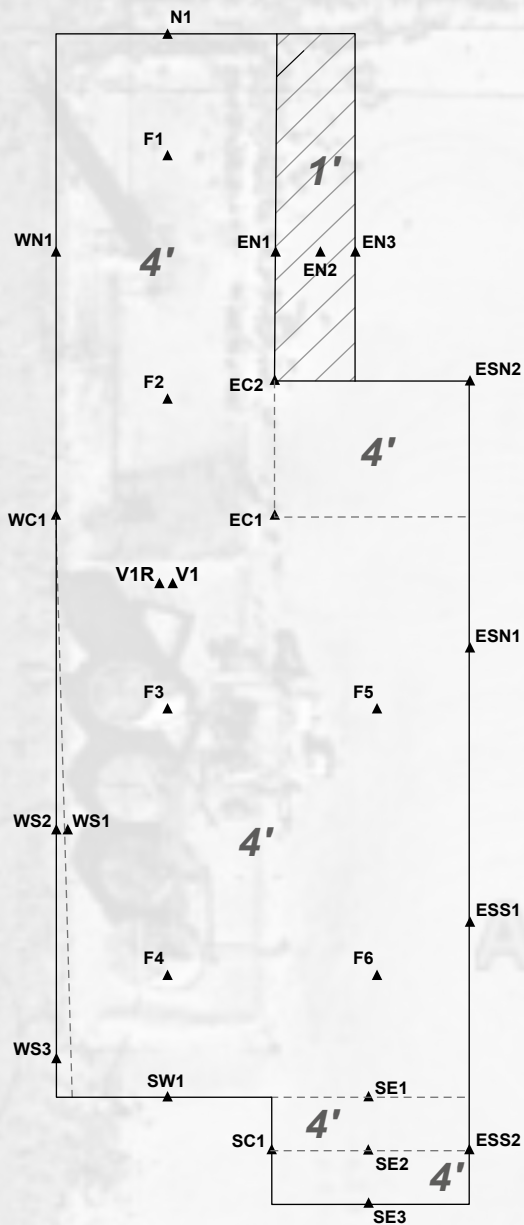
Table 1

Appendix A – Photograph Log

Appendix B – Log Book

Appendix C – Laboratory Reports

Appendix D – Load Tickets



LEGEND

- ▲ Sample Location
- 4' Excavation Depth
- Initial or Secondary Extent of Excavation
- Final Extent of Excavation

SCALE

0

50

100

FEET

Aerial Photo by Google Earth Pro 2/1/2017

Figure 1
Angell #1H
Confirmation Sample
Location Map
June 30 - July 25, 2017



TABLE 1
SUMMARY OF LABORATORY ANALYTICAL RESULTS

BC Operating - Angell #1
Lea County, New Mexico

Sample ID ¹	Depth	Date Collected	Benzene ² (mg/kg)	BTEX ³ (mg/kg)	TPH ⁴ (mg/kg)	Chloride ⁵ (mg/kg)
N1-2	*2 ft.	6/30/17	<0.01	<0.01	4.4	217
WN1-2	*2 ft.	6/30/17	<0.01	<0.01	42.32	206
EN1-0	0-4 in.	6/30/17	<0.01	<0.01	1127	497
EN1-2	2 ft.	6/30/17	<0.01	<0.01	5.13	71.0
EC1-0	0-4 in.	7/6/17	ND	<0.01	4.03	2650
EC1-2	2 ft.	7/6/17	ND	ND	5.26	2090
WC1-2	*2 ft.	7/6/17	ND	ND	12.22	125
WS1-2	*2 ft.	7/6/17	ND	ND	24.51	2830
SW1-0	0-4 in.	7/6/17	ND	ND	1.40	104
SW1-2	2 ft.	7/6/17	ND	ND	8.0	72.7
ESN1-0	0-4 in.	7/6/17	ND	ND	5.43	589
ESN1-2	2 ft.	7/6/17	ND	ND	9.6	188
F1-4	4 ft.	7/6/17	ND	ND	527.0	1050
F2-4	4 ft.	7/6/17	ND	ND	81	364
F3-4	4 ft.	7/6/17	<0.01	<0.01	6453	2830
F4-4	4 ft.	7/6/17	ND	<0.01	1118	2670
F5-4	4 ft.	7/6/17	ND	ND	24.71	2570
F6-4	4 ft.	7/6/17	ND	ND	138	719
SE1-0	0-4 in.	7/6/17	ND	ND	6.29	1510
SE1-2	2 ft.	7/6/17	ND	ND	5.34	700
ESS1-0	0-4 in.	7/6/17	ND	ND	2.89	349
ESS1-2	2 ft.	7/6/17	ND	ND	3.8	107
EN1-1	1 ft.	7/17/17	<0.01	<0.01	13.8	77.6
EN2-1	1 ft.	7/17/17	<0.01	<0.01	7.52	118
EN3-0	0-4 in.	7/17/17	ND	<0.01	26.64	160
EC2-1	1 ft.	7/17/17	<0.01	<0.01	7.17	121
EC2-2	2 ft.	7/17/17	<0.01	<0.01	10.8	224
ESN2-0	0-4 in.	7/17/17	<0.01	<0.01	46.2	272
ESN2-2	2 ft.	7/17/17	<0.01	<0.01	9.8	113
SE2-0	0-4 in.	7/17/17	<0.01	<0.01	7.41	1250
SE2-2	2 ft.	7/17/17	<0.01	<0.01	5.44	1300
WS2-2	*2 ft.	7/17/17	<0.01	<0.01	440	476
SC1-0	0-4 in.	7/25/17	ND	ND	6.60	72.4
SC1-2	2 ft.	7/25/17	ND	ND	14.6	521
SE3-0	0-4 in.	7/25/17	ND	ND	10.2	173
SE3-2	2 ft.	7/25/17	ND	ND	8.83	176
ESS2-0	0-4 in.	7/25/17	ND	ND	4.73	121
ESS2-2	2 ft.	7/25/17	ND	ND	9.55	115
WS3-2	*2 ft.	7/25/17	ND	ND	4	50.9
Action Level⁶			10 mg/kg	50 mg/kg	1,000 mg/kg	600 mg/kg

Bold Print Indicates Sample Results Above the RAL

Notes:

* Designates 2 foot sample is surface level of surrounding pasture

ND - Not Detected at the Sample Detection Limit

¹Samples collected by PES and analyzed by ESC Lab Sciences in Mt. Juliet, TN.

²Benzene by Method 8021.

³BTEX by Method 8021, value is sum of Benzene, Toluene, Ethylbenzene and Total Xylene.

⁴Total Petroleum Hydrocarbons (TPH) by Method 8015/8021, value is sum of Gas Range (Low Fraction = C₆-C₁₀), Diesel Range (C₁₀-C₂₈), and Oil Range (C₂₈-C₄₀).

⁵Chloride by U. S. EPA Method 9056A.

⁶Site Specific Remediation Action Levels (RAL)

Appendix A
Photograph Log

Remediation Photograph Log
BC Operating – Angell #1
Lea County, NM



Photo 1: Initial remediation of beneath tanks.



Photo 2: View of excavation, facing south.



Photo 3: View of excavation facing east.



Photo 4: View of excavation facing north.

Remediation Photograph Log
BC Operating – Angell #1
Lea County, NM



Photo 5: Loading contaminated soil into trucks for disposal.



Photo 6: Installation of 30 mil. liner in keyways.



Photo 7: Double welding seams of liner across the length of the excavation.



Photo 8: View of liner installed in keyway, facing north.

Remediation Photograph Log
BC Operating – Angell #1
Lea County, NM

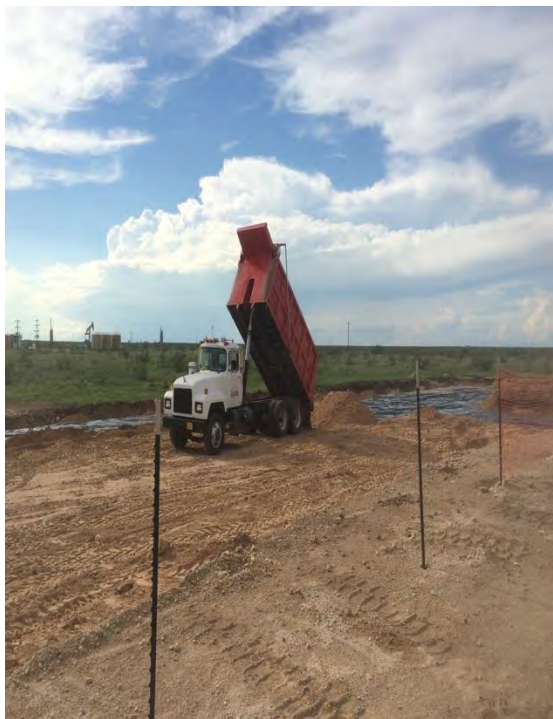


Photo 9: Backfilling excavation on top of 30 mil. liner.



Photo 10: Compacting backfill in one foot lifts with sheep foot roller.



Photo 11: View of backfilled excavation and slope to pasture, facing northeast.



Photo 12: View of backfilled excavation to grade of well pad, facing northwest.

Appendix B
Log Book

ANGELL #1 VERD DELIN/ACP SAME 6/26/2017

1145 FE ON SITE MEET W/ JUAN CARDENAS
ON ANGELL #2

1230 ACP-001 } SAMPLES TAKEN
1235 ACP-002 } AT THIS ANGELL CALICHE
1240 ACP-003 }
1300 DRILLER IN R.O.D. P.T.

1400 TALON LPE ON SITE, AIR FORTY IN / C'S AND SPIND
JOSE DRILLER REICH DRILL TW-650-WT 6"
ALEJANDRO HAND CESAR HAND

1430 BEGIN DRILLING "VIR"

1440 VIR-5 TAKEN @ CLAY/CALICHE INTERFACE

1450 VIR-10 PINK CALICHE

1455 VIR-15 LIGHTER PINK CALICHE LOOSE + SANDY

1500 VIR-20 LIGHTER TO WHITE LOOSE DRY

1505 VIR-25 SSP

1515 VIR-30 FIRST RETRIEVAL WAS ~~BLANK~~ * FROM 10' TO
CLEAN OUT HOLE + RE ENTER

1530 VIR-30 TAKEN RETURN WAS ONLY 1' +

"HARD" CONSISTED OF WHITE SANDY CALICHE
* (POSSIBLY) SMALL TO MEDIUM SIZE GRAVEL, DRY

SAMPLES PACKED + PLACED ON ICE IMMEDIATELY
AFTER COLLECTION OF EACH SAMPLE.

1045 OFF SITE

FE

REMEDIATION SAMPLING

6/30/2017

0900 FE ON SITE. RYLE NUBRAUGH (JTB)
ON SITE.

- NORTH END OF EXCAVATION IS
CLEAR TO SAMPLE 4' DEEP ON WEST
SIDE ~2' DEEP ON ^{NORTH} WEST SIDES
(EVEN W/ POST WRB)

0930 PREP. TO SAMPLE SIDE HOLE ON
N END OF EXCAVATION

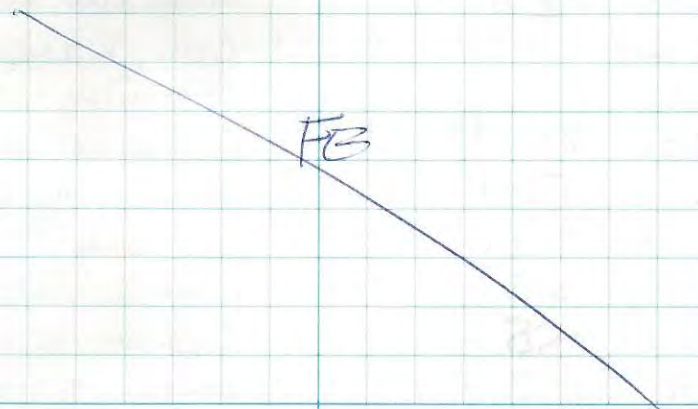
0955 N1-2 SAMPLE TAKEN @ ^{SURFACE / 2'} (PASTURE LEVEL)

1005 W1-2 SAMPLE TAKEN SAME AS PREVIOUS

1010 EN1-0 SAMPLE TAKEN 0-4" (PAD)

1015 EN1-2 SAMPLE TAKEN @ 2'
SAMPLES PACKED ON ICE FOR SHIPPING TO
LAB.

1100 FE OFF SITE.



Rite in the Rain

REMEDIAL SAMPLING - SIDERHILL FLOOD 7/6/2017

1330 FE ON SITE

- ROUGHLY 85% OF MARKED AREAS HAVE BEEN
EXCAVATED TO 4' BELOW THE LEVEL OF THE POD.

1400 PREPARING TO SAMPLE - MEASURED OFF LOCATION
MAIN AREA OVER TB = 40' X 200' W/ ADDITIONAL
30' X 100' ON SEEDS OF EXC.

1420 EC1-0 SAMPLE TAKEN CALICHE + SILTY SAND

1425 EC1-2 " " BROWN SILTY SAND/CLAY

1440 WC1-2 " " BROWN " " PASTURE

1445 WS1-2 " " " " "

1455 SW1-0 SAMPLE TAKEN WHITE SILT CALICHE

1500 SW1-2 " " BROWN SILTY SAND

1510 ESN1-0 " " SILTY SAND W/ CALICHE GRAVEL

1520 ESN1-2 " " BROWN SILTY SAND

1535 F1-4 SAMPLE TAKEN GRAVELLY TOP OF CALICHE

1545 F2-4 " " LIGHT BROWN SANDY CLAY

1550 F3-4 " " GRAVELLY TOP OF CALICHE ABOVE

1610 F4-4 " " GRAVELLY CLAY ABOVE CALICHE

1620 F5-4 " " GRAVELLY CLAY DAMP

1630 F6-4 " " GRAVELLY SILT DRY

1640 SE1-0 " " WHITE CALICHE

1645 SE1-2 " " BROWN SILTY SAND

1655 ~~ESS~~1-0 " " PINKISH WHITE CALICHE

1700 ESS1-2 " " DARK BROWN SILTY SAND

1710 OFF SITE SAMPLE MAP ON 8 1/2 X 11 IN CLIPBOARD

CONFIRMATION SAMPLING

7/17/2017

1350 FE ON SITE - EXCAVATION HAS BEEN
CONTINUED PER SITE MAP SENT TO JJB
ON 7/12. CLEAR SKIDS 90°.

- PREP TO SAMPLE NE AREA 1' EXC.
AND SE LOCATIONS. MEASURED OFF AREAS.

1430 EN1-1 SAMPLE TAKEN

1435 EN2-1 SAMPLE TAKEN

1440 EN3-0 " "

1445 EC1-1 " "

1450 EC2-2 " "

1455 ESN2-0 " "

1500 ESN2-2 " "

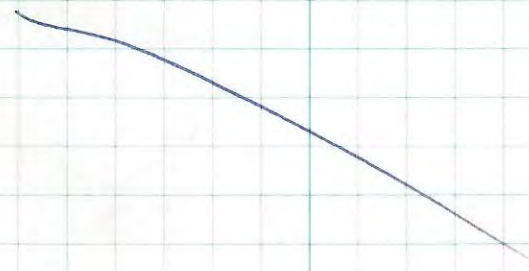
1505 SE2-0 " "

1510 SE2-2 " "

1515 WS2-2 " "

SAMPLE PACKED ON ICE FOR SHIPMENT

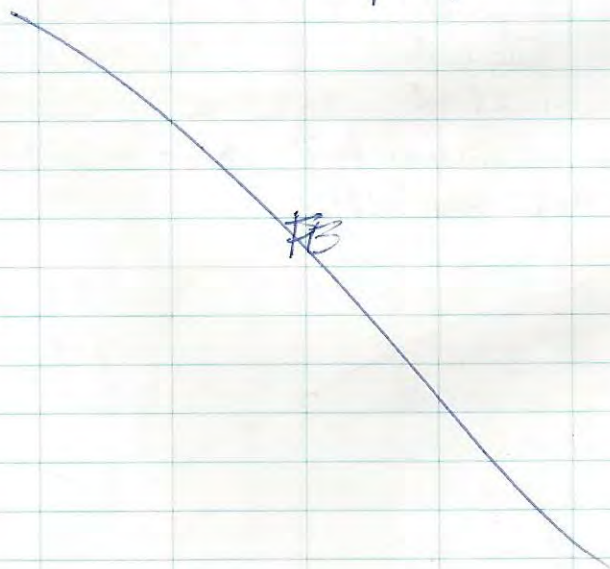
1600 FE OFF SITE



Rite in the Rain

CONFIRMATION SAMPLING SE 7/27/2017

- 1100 FE ON SITE 78° + SUNNY
PREP TO SAMPLE SB CORNER
- 1130 SC1-0 SAMPLE TAKEN W/SIDE WALL
- 1135 SC1-2 " "
- 1145 SE3-0 SAMPLE TAKEN ON SOUTH WALL
- 1150 SE3-2 " "
- 1200 ESS2-0 SAMPLE TAKEN ON E/WALL
- 1205 ESS2-2 " "
- 1215 WS3-2 SAMPLE TAKEN NEAR SW CORNER
OF EXCAVATION ~10' NORTH OF CENTER.
- 1250 FE OFF SITE - KEYWAYS UNDER EXCAVATION.



CLOSURE - 30 MIL LINER 8/24/2017¹⁵

- 0915 JTB SERVICES ON SITE W/CREW
TO INSTALL 30 MIL BLACK LINER.
- 0930 LAYING OUT LINER AND MEASURING FOR
ANCHORING INTO KEYWAYS. REMOVE
SNOW FENCE FOR ACCESS W/ EQUIPMENT
- 1015 LINER (1ST SECTION) LAID IN BOTTOM
OF EXCAVATION. BEGIN WELDING
SEAMS W/ DOUBLE WELD NORTH
TO SOUTH.
- 1225 LINER INSTALLED IN EXCAVATION, BEGIN
ANCHORING LINER IN PERIMETER
KEYWAYS
- 1245 BEGIN BACK FILL W/ MATERIALS MINED
FROM THE ANGEL CHULCHO PIT (ACP)
1.5 MILES SOUTH OF SITE. FIRST LIFT
IS 6 INCHES, REMAIN TO COVER, THREAT
OF WIND AND RAIN. REMAINING LIFTS
WILL BE 1 FOOT.
- 1550 22 TRUCK LOADS DELIVERED, SPREADING
W/ BACKHOE AND FRONT END LOADER
- 2010 88 TRUCK LOADS ON THE DAY @ 12th LOAD =
696 CY.
FE OFF SITE.

Appendix C
Laboratory Reports

July 10, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L919923
Samples Received: 07/01/2017
Project Number: BC-004
Description: BC-Angell #1 - Remediation
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
N1-2 L919923-01	5
WN1-2 L919923-02	6
EN1-0 L919923-03	7
EN1-2 L919923-04	8
Qc: Quality Control Summary	9
Total Solids by Method 2540 G-2011	9
Wet Chemistry by Method 9056A	10
Volatile Organic Compounds (GC) by Method 8015/8021	11
Semi-Volatile Organic Compounds (GC) by Method 8015M	13
Gl: Glossary of Terms	14
Al: Accreditations & Locations	15
Sc: Chain of Custody	16





N1-2 L919923-01 Solid

Collected by
Frank EngallinaCollected date/time
06/30/17 09:55Received date/time
07/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:04	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/05/17 14:11	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	1	07/05/17 08:04	07/05/17 16:54	KLM

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

WN1-2 L919923-02 Solid

Collected by
Frank EngallinaCollected date/time
06/30/17 10:05Received date/time
07/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:12	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/01/17 21:44	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	1	07/05/17 08:04	07/07/17 16:39	KLM

EN1-0 L919923-03 Solid

Collected by
Frank EngallinaCollected date/time
06/30/17 10:10Received date/time
07/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:21	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/01/17 22:04	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	20	07/05/17 08:04	07/05/17 17:25	KLM

EN1-2 L919923-04 Solid

Collected by
Frank EngallinaCollected date/time
06/30/17 10:15Received date/time
07/01/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG995237	1	07/03/17 09:44	07/03/17 09:54	MLW
Wet Chemistry by Method 9056A	WG995742	1	07/05/17 11:30	07/05/17 13:30	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG995062	1	07/01/17 15:29	07/01/17 22:25	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG995139	1	07/05/17 08:04	07/05/17 17:09	KLM



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.9		1	07/03/2017 09:54	WG995237

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	217		1.05	10.0	13.2	1	07/05/2017 13:04	WG995742

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000321	J J3 J6	0.000158	0.000500	0.000659	1	07/05/2017 14:11	WG995062
Toluene	0.000500	J J3 J6	0.000198	0.00500	0.00659	1	07/05/2017 14:11	WG995062
Ethylbenzene	0.000288	J J3 J6	0.000145	0.000500	0.000659	1	07/05/2017 14:11	WG995062
Total Xylene	0.00101	J J3 J6	0.000606	0.00150	0.00198	1	07/05/2017 14:11	WG995062
TPH (GC/FID) Low Fraction	U	J3 J6	0.0286	0.100	0.132	1	07/05/2017 14:11	WG995062
(S) a,a,a-Trifluorotoluene(FID)	97.7				77.0-120		07/05/2017 14:11	WG995062
(S) a,a,a-Trifluorotoluene(PID)	90.9				75.0-128		07/05/2017 14:11	WG995062

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.95	4.00	5.27	1	07/05/2017 16:54	WG995139
C20-C36 Hydrocarbons	4.40	J	0.897	4.00	5.27	1	07/05/2017 16:54	WG995139
(S) o-Terphenyl	53.1				18.0-148		07/05/2017 16:54	WG995139

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	163		1	07/03/2017 09:54	WG995237

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	206		0.488	10.0	6.14	1	07/05/2017 13:12	WG995742

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000370		0.0000737	0.000500	0.000307	1	07/01/2017 21:44	WG995062
Toluene	0.000447	J	0.0000921	0.00500	0.00307	1	07/01/2017 21:44	WG995062
Ethylbenzene	0.000146	J	0.0000675	0.000500	0.000307	1	07/01/2017 21:44	WG995062
Total Xylene	0.000294	J	0.000282	0.00150	0.000921	1	07/01/2017 21:44	WG995062
TPH (GC/FID) Low Fraction	U		0.0133	0.100	0.0614	1	07/01/2017 21:44	WG995062
(S) a,a,a-Trifluorotoluene(FID)	95.6				77.0-120		07/01/2017 21:44	WG995062
(S) a,a,a-Trifluorotoluene(PID)	99.6				75.0-128		07/01/2017 21:44	WG995062

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.12		1.38	4.00	2.46	1	07/07/2017 16:39	WG995139
C20-C36 Hydrocarbons	36.2		0.418	4.00	2.46	1	07/07/2017 16:39	WG995139
(S) o-Terphenyl	71.4				18.0-148		07/07/2017 16:39	WG995139

1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	54.4		1	07/03/2017 09:54	WG995237

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	497		1.46	10.0	18.4	1	07/05/2017 13:21	WG995742

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000246	J	0.000221	0.000500	0.000919	1	07/01/2017 22:04	WG995062
Toluene	0.000354	J	0.000276	0.00500	0.00919	1	07/01/2017 22:04	WG995062
Ethylbenzene	0.000516	J	0.000202	0.000500	0.000919	1	07/01/2017 22:04	WG995062
Total Xylene	0.0103		0.000846	0.00150	0.00276	1	07/01/2017 22:04	WG995062
TPH (GC/FID) Low Fraction	0.856		0.0399	0.100	0.184	1	07/01/2017 22:04	WG995062
(S) a,a,a-Trifluorotoluene(FID)	94.1				77.0-120		07/01/2017 22:04	WG995062
(S) a,a,a-Trifluorotoluene(PID)	98.8				75.0-128		07/01/2017 22:04	WG995062

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	431		82.4	4.00	147	20	07/05/2017 17:25	WG995139
C20-C36 Hydrocarbons	695		25.0	4.00	147	20	07/05/2017 17:25	WG995139
(S) o-Terphenyl	5.43	J2			18.0-148		07/05/2017 17:25	WG995139



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	07/03/2017 09:54	WG995237

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	71.0		0.901	10.0	11.3	1	07/05/2017 13:30	WG995742

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000328	J	0.000136	0.000500	0.000567	1	07/01/2017 22:25	WG995062
Toluene	0.000446	J	0.000170	0.00500	0.00567	1	07/01/2017 22:25	WG995062
Ethylbenzene	0.000481	J	0.000125	0.000500	0.000567	1	07/01/2017 22:25	WG995062
Total Xylene	0.00129	J	0.000521	0.00150	0.00170	1	07/01/2017 22:25	WG995062
TPH (GC/FID) Low Fraction	U		0.0246	0.100	0.113	1	07/01/2017 22:25	WG995062
(S) a,a,a-Trifluorotoluene(FID)	98.1				77.0-120		07/01/2017 22:25	WG995062
(S) a,a,a-Trifluorotoluene(PID)	102				75.0-128		07/01/2017 22:25	WG995062

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.54	4.00	4.53	1	07/05/2017 17:09	WG995139
C20-C36 Hydrocarbons	5.13		0.772	4.00	4.53	1	07/05/2017 17:09	WG995139
(S) o-Terphenyl	68.0				18.0-148		07/05/2017 17:09	WG995139

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Total Solids by Method 2540 G-2011

[L919923-01,02,03,04](#)

Method Blank (MB)

(MB) R3230811-1 07/03/17 09:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000100			

L919914-01 Original Sample (OS) • Duplicate (DUP)

(OS) L919914-01 07/03/17 09:54 • (DUP) R3230811-3 07/03/17 09:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	68.4	65.2	1	4.86		5

Laboratory Control Sample (LCS)

(LCS) R3230811-2 07/03/17 09:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3231115-1 07/05/17 12:27

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

L919854-05 Original Sample (OS) • Duplicate (DUP)

(OS) L919854-05 07/05/17 15:37 • (DUP) R3231115-4 07/05/17 15:46

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	49.5	50.9	1	3		15

L920016-05 Original Sample (OS) • Duplicate (DUP)

(OS) L920016-05 07/05/17 18:35 • (DUP) R3231115-7 07/05/17 18:44

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	3070	2890	5	6		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231115-2 07/05/17 12:36 • (LCSD) R3231115-3 07/05/17 12:45

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	195	192	98	96	80-120			2	15

L919854-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919854-06 07/05/17 17:42 • (MS) R3231115-5 07/05/17 17:50 • (MSD) R3231115-6 07/05/17 17:59

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	571	24.2	620	620	104	104	1	80-120			0	15





Method Blank (MB)

(MB) R3230850-3 07/01/17 16:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 102			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 105			75.0-128	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3230850-1 07/01/17 15:29 • (LCSD) R3230850-2 07/01/17 15:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0523	0.0520	105	104	71.0-121			0.590	20
Toluene	0.0500	0.0574	0.0568	115	114	72.0-120			0.980	20
Ethylbenzene	0.0500	0.0566	0.0559	113	112	76.0-121			1.19	20
Total Xylene	0.150	0.185	0.184	123	122	75.0-124			0.760	20
(S) a,a,a-Trifluorotoluene(FID)				102	96.3	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				102	101	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3230850-4 07/01/17 18:39 • (LCSD) R3230850-5 07/01/17 19:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.87	5.75	107	105	70.0-136			2.04	20
(S) a,a,a-Trifluorotoluene(FID)				100	100	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				105	104	75.0-128				

L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919923-01 07/05/17 14:11 • (MS) R3231125-1 07/05/17 14:32 • (MSD) R3231125-2 07/05/17 14:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0659	0.000321	0.0298	0.00391	44.7	5.45	1	10.0-146		J3 J6	154	29
Toluene	0.0659	0.000500	0.0252	0.00162	37.5	1.71	1	10.0-143		J3 J6	176	30
Ethylbenzene	0.0659	0.000288	0.0202	0.000831	30.3	0.825	1	10.0-147		J3 J6	184	31
Total Xylene	0.198	0.00101	0.0630	0.00234	31.4	0.671	1	10.0-149	J6	J3 J6	186	30



L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919923-01 07/05/17 14:11 • (MS) R3231125-1 07/05/17 14:32 • (MSD) R3231125-2 07/05/17 14:53

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) a,a,a-Trifluorotoluene(FID)					98.3	97.7		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					93.7	90.8		75.0-128				

Sample Narrative:
MS: Spike low recovery due to sample matrix.
MSD: Spike low recovery due to sample matrix

L919923-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L919923-01 07/05/17 14:11 • (MS) R3231125-3 07/05/17 15:15 • (MSD) R3231125-4 07/05/17 15:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	7.25	U	3.55	0.283	49.0	3.91	1	10.0-147		J3 J6	170	30
(S) a,a,a-Trifluorotoluene(FID)					96.0	97.6		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					97.6	88.8		75.0-128				

Sample Narrative:
MS: Spike low recovery due to sample matrix
MSD: Spike low recovery due to sample matrix

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3231169-1 07/05/17 16:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10 - C20 Hydrocarbons	U		2.24	4.00
C20-C36 Hydrocarbons	U		0.681	4.00
(S) o-Terphenyl	57.0			18.0-148

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231169-2 07/05/17 16:23 • (LCSD) R3231169-3 07/05/17 16:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	30.0	21.6	22.7	72.1	75.8	50.0-150			4.99	20
C20-C36 Hydrocarbons	30.0	16.1	17.0	53.7	56.7	50.0-150			5.46	20
(S) o-Terphenyl				59.9	62.6	18.0-148				

L920096-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920096-01 07/07/17 16:51 • (MS) R3231757-1 07/07/17 17:03 • (MSD) R3231757-2 07/07/17 17:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	37.3	ND	218	316	584	846	1	50.0-150	J5	E J3 J5	36.7	20
C20-C36 Hydrocarbons	37.3	ND	240	338	642	904	1	50.0-150	J5	E J3 J5	33.9	20
(S) o-Terphenyl					74.4	141		18.0-148				



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



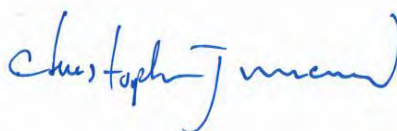
Condition:
NCF / ☒ O

July 12, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L921068
Samples Received: 07/08/2017
Project Number: BC-004
Description: BC-Angell #1 Remediation
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	³ Ss
EC1-0 L921068-01	6	
EC1-2 L921068-02	7	⁴ Cn
WC1-2 L921068-03	8	⁵ Sr
WS1-2 L921068-04	9	
SW1-0 L921068-05	10	⁶ Qc
SW1-2 L921068-06	11	
ESN1-0 L921068-07	12	⁷ Gl
ESN1-2 L921068-08	13	⁸ Al
F1-4 L921068-09	14	
Qc: Quality Control Summary	15	⁹ Sc
Total Solids by Method 2540 G-2011	15	
Wet Chemistry by Method 9056A	16	
Volatile Organic Compounds (GC) by Method 8015/8021	17	
Semi-Volatile Organic Compounds (GC) by Method 8015M	19	
Gl: Glossary of Terms	20	
Al: Accreditations & Locations	21	
Sc: Chain of Custody	22	



EC1-0 L921068-01 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 14:20Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 18:45	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 15:18	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 11:44	ACM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

EC1-2 L921068-02 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 14:25Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 18:54	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 18:14	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 12:27	ACM

WC1-2 L921068-03 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 14:40Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:21	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 18:35	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 12:42	ACM

WS1-2 L921068-04 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 14:45Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 19:30	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 18:56	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:43	ACM

SW1-0 L921068-05 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 14:55Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:39	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 19:17	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 12:58	ACM

SW1-2 L921068-06 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 15:00Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:48	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 19:38	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:12	ACM



ESN1-0 L921068-07 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 15:10Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 19:57	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 19:59	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:27	ACM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ESN1-2 L921068-08 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 15:20Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:06	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 20:20	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 13:58	ACM

F1-4 L921068-09 Solid

Collected by
Frank EngallinaCollected date/time
07/06/17 15:35Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:15	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 13:17	07/11/17 20:40	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	5	07/12/17 00:00	07/12/17 15:14	ACM



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2650		4.49	10.0	56.5	5	07/11/2017 18:45	WG996938

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000136	0.000500	0.000565	1	07/11/2017 15:18	WG997255
Toluene	0.000299	B J	0.000169	0.00500	0.00565	1	07/11/2017 15:18	WG997255
Ethylbenzene	U		0.000124	0.000500	0.000565	1	07/11/2017 15:18	WG997255
Total Xylene	U		0.000520	0.00150	0.00169	1	07/11/2017 15:18	WG997255
TPH (GC/FID) Low Fraction	0.0347	B J	0.0245	0.100	0.113	1	07/11/2017 15:18	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.5				77.0-120		07/11/2017 15:18	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 15:18	WG997255

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.53	4.00	4.52	1	07/12/2017 11:44	WG997145
C20-C36 Hydrocarbons	3.99	J	0.769	4.00	4.52	1	07/12/2017 11:44	WG997145
(S) o-Terphenyl	68.9				18.0-148		07/12/2017 11:44	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	07/08/2017 15:46	WG997022

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2090		4.39	10.0	55.3	5	07/11/2017 18:54	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000133	0.000500	0.000553	1	07/11/2017 18:14	WG997255
Toluene	U		0.000166	0.00500	0.00553	1	07/11/2017 18:14	WG997255
Ethylbenzene	U		0.000122	0.000500	0.000553	1	07/11/2017 18:14	WG997255
Total Xylene	U		0.000508	0.00150	0.00166	1	07/11/2017 18:14	WG997255
TPH (GC/FID) Low Fraction	0.0361	B J	0.0240	0.100	0.111	1	07/11/2017 18:14	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.8				77.0-120		07/11/2017 18:14	WG997255
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/11/2017 18:14	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.48	4.00	4.42	1	07/12/2017 12:27	WG997145
C20-C36 Hydrocarbons	5.22		0.753	4.00	4.42	1	07/12/2017 12:27	WG997145
(S) o-Terphenyl	80.5				18.0-148		07/12/2017 12:27	WG997145

1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	125		0.814	10.0	10.2	1	07/11/2017 19:21	WG996938

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000500	0.000512	1	07/11/2017 18:35	WG997255
Toluene	U		0.000153	0.00500	0.00512	1	07/11/2017 18:35	WG997255
Ethylbenzene	U		0.000113	0.000500	0.000512	1	07/11/2017 18:35	WG997255
Total Xylene	U		0.000471	0.00150	0.00153	1	07/11/2017 18:35	WG997255
TPH (GC/FID) Low Fraction	0.0338	B J	0.0222	0.100	0.102	1	07/11/2017 18:35	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.9				77.0-120		07/11/2017 18:35	WG997255
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/11/2017 18:35	WG997255

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	2.82	J	2.29	4.00	4.09	1	07/12/2017 12:42	WG997145
C20-C36 Hydrocarbons	9.37		0.697	4.00	4.09	1	07/12/2017 12:42	WG997145
(S) o-Terphenyl	84.3				18.0-148		07/12/2017 12:42	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2830		4.30	10.0	54.0	5	07/11/2017 19:30	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000540	1	07/11/2017 18:56	WG997255
Toluene	U		0.000162	0.00500	0.00540	1	07/11/2017 18:56	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000540	1	07/11/2017 18:56	WG997255
Total Xylene	U		0.000497	0.00150	0.00162	1	07/11/2017 18:56	WG997255
TPH (GC/FID) Low Fraction	0.0277	B J	0.0235	0.100	0.108	1	07/11/2017 18:56	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 18:56	WG997255
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 18:56	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	3.68	J	2.42	4.00	4.32	1	07/12/2017 13:43	WG997145
C20-C36 Hydrocarbons	20.8		0.736	4.00	4.32	1	07/12/2017 13:43	WG997145
(S) o-Terphenyl	53.3				18.0-148		07/12/2017 13:43	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	104		0.895	10.0	11.3	1	07/11/2017 19:39	WG996938

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000135	0.000500	0.000563	1	07/11/2017 19:17	WG997255
Toluene	U		0.000169	0.00500	0.00563	1	07/11/2017 19:17	WG997255
Ethylbenzene	U		0.000124	0.000500	0.000563	1	07/11/2017 19:17	WG997255
Total Xylene	U		0.000518	0.00150	0.00169	1	07/11/2017 19:17	WG997255
TPH (GC/FID) Low Fraction	0.0288	B J	0.0244	0.100	0.113	1	07/11/2017 19:17	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.3				77.0-120		07/11/2017 19:17	WG997255
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 19:17	WG997255

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.52	4.00	4.50	1	07/12/2017 12:58	WG997145
C20-C36 Hydrocarbons	1.37	J	0.766	4.00	4.50	1	07/12/2017 12:58	WG997145
(S) o-Terphenyl	94.0				18.0-148		07/12/2017 12:58	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	72.7		0.817	10.0	10.3	1	07/11/2017 19:48	WG996938

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000500	0.000514	1	07/11/2017 19:38	WG997255
Toluene	U		0.000154	0.00500	0.00514	1	07/11/2017 19:38	WG997255
Ethylbenzene	U		0.000113	0.000500	0.000514	1	07/11/2017 19:38	WG997255
Total Xylene	U		0.000472	0.00150	0.00154	1	07/11/2017 19:38	WG997255
TPH (GC/FID) Low Fraction	0.0314	B J	0.0223	0.100	0.103	1	07/11/2017 19:38	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.3				77.0-120		07/11/2017 19:38	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 19:38	WG997255

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.30	4.00	4.11	1	07/12/2017 13:12	WG997145
C20-C36 Hydrocarbons	7.96		0.699	4.00	4.11	1	07/12/2017 13:12	WG997145
(S) o-Terphenyl	75.9				18.0-148		07/12/2017 13:12	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	07/08/2017 15:46	WG997022

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	589		0.864	10.0	10.9	1	07/11/2017 19:57	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000543	1	07/11/2017 19:59	WG997255
Toluene	U		0.000163	0.00500	0.00543	1	07/11/2017 19:59	WG997255
Ethylbenzene	U		0.000120	0.000500	0.000543	1	07/11/2017 19:59	WG997255
Total Xylene	U		0.000500	0.00150	0.00163	1	07/11/2017 19:59	WG997255
TPH (GC/FID) Low Fraction	0.0330	B J	0.0236	0.100	0.109	1	07/11/2017 19:59	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.7				77.0-120		07/11/2017 19:59	WG997255
(S) a,a,a-Trifluorotoluene(PID)	105				75.0-128		07/11/2017 19:59	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.43	4.00	4.35	1	07/12/2017 13:27	WG997145
C20-C36 Hydrocarbons	5.40		0.740	4.00	4.35	1	07/12/2017 13:27	WG997145
(S) o-Terphenyl	80.2				18.0-148		07/12/2017 13:27	WG997145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	07/08/2017 15:46	WG997022

Wet Chemistry by Method 9056A

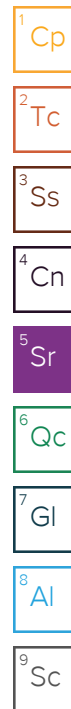
Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	188		0.858	10.0	10.8	1	07/11/2017 20:06	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000539	1	07/11/2017 20:20	WG997255
Toluene	U		0.000162	0.00500	0.00539	1	07/11/2017 20:20	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000539	1	07/11/2017 20:20	WG997255
Total Xylene	U		0.000496	0.00150	0.00162	1	07/11/2017 20:20	WG997255
TPH (GC/FID) Low Fraction	0.0313	B J	0.0234	0.100	0.108	1	07/11/2017 20:20	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.1				77.0-120		07/11/2017 20:20	WG997255
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/11/2017 20:20	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.32	1	07/12/2017 13:58	WG997145
C20-C36 Hydrocarbons	9.53		0.735	4.00	4.32	1	07/12/2017 13:58	WG997145
(S) o-Terphenyl	69.4				18.0-148		07/12/2017 13:58	WG997145





Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	07/08/2017 15:46	WG997022

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1050		0.860	10.0	10.8	1	07/11/2017 20:15	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000541	1	07/11/2017 20:40	WG997255
Toluene	U		0.000162	0.00500	0.00541	1	07/11/2017 20:40	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000541	1	07/11/2017 20:40	WG997255
Total Xylene	U		0.000498	0.00150	0.00162	1	07/11/2017 20:40	WG997255
TPH (GC/FID) Low Fraction	0.0272	B J	0.0235	0.100	0.108	1	07/11/2017 20:40	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 20:40	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 20:40	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	168		12.1	4.00	21.6	5	07/12/2017 15:14	WG997145
C20-C36 Hydrocarbons	359		3.68	4.00	21.6	5	07/12/2017 15:14	WG997145
(S) o-Terphenyl	109				18.0-148		07/12/2017 15:14	WG997145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3231858-1 07/08/17 15:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000100			

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/08/17 15:46 • (DUP) R3231858-3 07/08/17 15:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	89.7	89.7	1	0.0237		5

Laboratory Control Sample (LCS)

(LCS) R3231858-2 07/08/17 15:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) R3232606-1 07/11/17 17:15

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.55	⬇	0.795	10.0

L920550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920550-01 07/11/17 18:00 • (DUP) R3232606-4 07/11/17 18:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	28.6	36.4	1	24	P1	15

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/11/17 20:25 • (DUP) R3232606-7 07/11/17 20:34

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	364	329	1	10		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232606-2 07/11/17 17:24 • (LCSD) R3232606-3 07/11/17 17:33

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	196	197	98	99	80-120			1	15

L920550-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920550-02 07/11/17 18:18 • (MS) R3232606-5 07/11/17 18:27 • (MSD) R3232606-6 07/11/17 18:36

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	37.7	535	535	99	99	1	80-120			0	15

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3232421-4 07/11/17 14:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000342	⬇	0.000150	0.00500
Ethylbenzene	0.000117	⬇	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0391	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 99.2			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 105			75.0-128	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-1 07/11/17 12:41 • (LCSD) R3232421-5 07/11/17 15:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0467	0.0499	93.5	99.9	71.0-121			6.62	20
Toluene	0.0500	0.0469	0.0493	93.7	98.6	72.0-120			5.06	20
Ethylbenzene	0.0500	0.0499	0.0515	99.7	103	76.0-121			3.26	20
Total Xylene	0.150	0.154	0.160	103	107	75.0-124			3.81	20
(S) a,a,a-Trifluorotoluene(FID)				97.9	97.9	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				103	97.5	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-2 07/11/17 13:23 • (LCSD) R3232421-3 07/11/17 13:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.77	4.60	86.7	83.6	70.0-136			3.56	20
(S) a,a,a-Trifluorotoluene(FID)				105	102	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				113	113	75.0-128				

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0541	U	0.0347	0.0432	64.1	79.8	1	10.0-146			21.8	29
Toluene	0.0541	U	0.0330	0.0416	60.9	76.9	1	10.0-143			23.2	30
Ethylbenzene	0.0541	U	0.0324	0.0428	59.8	79.1	1	10.0-147			27.7	31
Total Xylene	0.162	U	0.0988	0.132	60.9	81.2	1	10.0-149	⬇6		28.6	30



L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) a,a,a-Trifluorotoluene(FID)					98.0	97.1		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					105	99.8		75.0-128				

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-8 07/11/17 16:56 • (MSD) R3232421-9 07/11/17 17:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.95	0.0237	3.63	0.854	60.6	13.9	1	10.0-147		J3	124	30
(S) a,a,a-Trifluorotoluene(FID)					97.5	107		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					110	104		75.0-128				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3232777-1 07/12/17 10:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10 - C20 Hydrocarbons	U		2.24	4.00
C20-C36 Hydrocarbons	U		0.681	4.00
(S) o-Terphenyl	114			18.0-148

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232777-2 07/12/17 11:14 • (LCSD) R3232777-3 07/12/17 11:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	30.0	28.0	28.0	93.2	93.5	50.0-150			0.250	20
C20-C36 Hydrocarbons	30.0	30.7	29.9	102	99.7	50.0-150			2.62	20
(S) o-Terphenyl				119	114	18.0-148				

L921068-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921068-01 07/12/17 11:44 • (MS) R3232777-4 07/12/17 11:59 • (MSD) R3232777-5 07/12/17 12:13

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	33.9	U	23.0	26.7	67.9	78.7	1	50.0-150			14.8	20
C20-C36 Hydrocarbons	33.9	3.99	28.9	32.7	73.5	84.6	1	50.0-150			12.2	20
(S) o-Terphenyl					78.2	85.4		18.0-148				

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address: Pike Energy Services 321 Pike Rd San Antonio, TX				Billing Information: <div style="font-size: 2em; margin-top: 20px;">SAME</div>				Analysis / Container / Preservative										Chain of Custody Page <u>1</u> of <u>1</u> <div style="text-align: center;"> ESC L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 </div>			
Report to: Frank Engallina				Email To: pikeenergyservices@gmail.com				CHLORIDE 9056 DEO/MRO 8015 BTEX/GRO 8021												L# 1921068	
Project Description: ANGELL #1 REMEDIATION				City/State Collected: LOVINGTON, NM																L# A037	
Phone: 210 363 2431 Fax:				Client Project # BC-004																Acctnum: PIKEENG SATX	
Collected by (print): FRANK ENGALLINA				Site/Facility ID # ANGELL #1																Template:	
Collected by (signature):				Date Results Needed 7/11/2017				Prelogin:													
Rush? (Lab MUST Be Notified) <input checked="" type="checkbox"/> Same Day 200% <input type="checkbox"/> Next Day 100% <input type="checkbox"/> Two Day 50% <input type="checkbox"/> Three Day 25%				Email? <input type="checkbox"/> No <input type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes				PB:													
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>				No. of Cntrs				Shipped Via:													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time											Rem./Contaminant	Sample # (lab only)			
EC1-0		GRAB	SS	0-4"	7/6/2017	1420	2	X	X	X										-01	
EC1-2				2'		1425	2	X	X	X										-02	
WC1-2				2'-*		1440	2	X	X	X										-03	
WS1-2				2'-*		1445	2	X	X	X										-04	
SW1-0				0-4"		1455	2	X	X	X										-05	
SW1-2				2'		1500	2	X	X	X										-06	
ESN1-0				0-4"		1510	2	X	X	X										-07	
ESN1-2				2'		1520	2	X	X	X										-08	
F1-4				4'		1535	2	X	X	X										-09	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Flow _____ Other _____

Remarks:

Relinquished by: (Signature)	Date: 7/7/2017	Time: 1800	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.8 °C Bottles Received: 18
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/8/17 Time: 0845

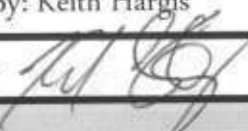
Hold # _____

Condition: (lab use only) **OK**

COC Seal Intact: ☒ Y ☐ N ☐ NA

pH Checked: _____ NCF: _____

ESC LAB SCIENCES Cooler Receipt Form

Client: PIREEN GSATX		SDG#	1921068	
Cooler Received/Opened On: 7/8/17		Temperature: 2.8		
Received By: Keith Hargis				
Signature: 				
Receipt Check List		NP	Yes	No
COC Seal Present / Intact?			<input checked="" type="checkbox"/>	
COC Signed / Accurate?			<input checked="" type="checkbox"/>	
Bottles arrive intact?			<input checked="" type="checkbox"/>	
Correct bottles used?			<input checked="" type="checkbox"/>	
Sufficient volume sent?			<input checked="" type="checkbox"/>	
If Applicable				
VOA Zero headspace?				
Preservation Correct / Checked?				

July 12, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L921074
Samples Received: 07/08/2017
Project Number: BC-004
Description: BC-Angell #1 Remediation
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
F2-4 L921074-01	6
F3-4 L921074-02	7
F4-4 L921074-03	8
F5-4 L921074-04	9
F6-4 L921074-05	10
SE1-0 L921074-06	11
SE1-2 L921074-07	12
ESS1-0 L921074-08	13
ESS1-2 L921074-09	14
Qc: Quality Control Summary	15
Total Solids by Method 2540 G-2011	15
Wet Chemistry by Method 9056A	17
Volatile Organic Compounds (GC) by Method 8015/8021	18
Semi-Volatile Organic Compounds (GC) by Method 8015M	20
Gl: Glossary of Terms	21
Al: Accreditations & Locations	22
Sc: Chain of Custody	23





F2-4 L921074-01 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 15:45	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997022	1	07/08/17 15:38	07/08/17 15:46	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 20:25	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:01	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:30	KLM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

F3-4 L921074-02 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 15:50	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 20:43	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:22	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	20	07/12/17 00:00	07/12/17 18:00	KLM

F4-4 L921074-03 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 16:10	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 21:10	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 21:43	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	5	07/12/17 00:00	07/12/17 17:45	KLM

F5-4 L921074-04 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 16:20	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 21:19	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 22:04	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:00	KLM

F6-4 L921074-05 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 16:30	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:28	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 22:25	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 17:15	KLM

SE1-O L921074-06 Solid

			Collected by Frank Engallina	Collected date/time 07/06/17 16:40	Received date/time 07/08/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	5	07/08/17 19:06	07/11/17 21:37	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 22:46	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 14:13	ACM

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SE1-2 L921074-07 Solid

Collected by
Frank Engallina

Collected date/time
07/06/17 16:45

Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:46	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 23:07	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 16:16	KLM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ESS1-0 L921074-08 Solid

Collected by
Frank Engallina

Collected date/time
07/06/17 16:55

Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 21:55	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 23:27	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 16:31	KLM

ESS1-2 L921074-09 Solid

Collected by
Frank Engallina

Collected date/time
07/06/17 17:00

Received date/time
07/08/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG997023	1	07/08/17 15:48	07/08/17 15:55	KDW
Wet Chemistry by Method 9056A	WG996938	1	07/08/17 19:06	07/11/17 22:04	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG997255	1	07/08/17 14:30	07/11/17 23:48	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG997145	1	07/12/17 00:00	07/12/17 16:46	KLM

ACCOUNT:

Pike Energy Services - San Antonio, TX

PROJECT:

BC-004

SDG:

L921074

DATE/TIME:

07/12/17 18:55

PAGE:

4 of 23



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	07/08/2017 15:46	WG997022

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	364		0.887	10.0	11.2	1	07/11/2017 20:25	WG996938

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000134	0.000500	0.000558	1	07/11/2017 21:01	WG997255
Toluene	U		0.000167	0.00500	0.00558	1	07/11/2017 21:01	WG997255
Ethylbenzene	U		0.000123	0.000500	0.000558	1	07/11/2017 21:01	WG997255
Total Xylene	U		0.000513	0.00150	0.00167	1	07/11/2017 21:01	WG997255
TPH (GC/FID) Low Fraction	U		0.0242	0.100	0.112	1	07/11/2017 21:01	WG997255
(S) a,a,a-Trifluorotoluene(FID)	99.8				77.0-120		07/11/2017 21:01	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 21:01	WG997255

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	21.3		2.50	4.00	4.46	1	07/12/2017 17:30	WG997145
C20-C36 Hydrocarbons	59.2		0.759	4.00	4.46	1	07/12/2017 17:30	WG997145
(S) o-Terphenyl	83.0				18.0-148		07/12/2017 17:30	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	07/08/2017 15:55	WG997023

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2830		4.27	10.0	53.7	5	07/11/2017 20:43	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000153	<u>J</u>	0.000129	0.000500	0.000537	1	07/11/2017 21:22	WG997255
Toluene	U		0.000161	0.00500	0.00537	1	07/11/2017 21:22	WG997255
Ethylbenzene	0.00152		0.000118	0.000500	0.000537	1	07/11/2017 21:22	WG997255
Total Xylene	0.00243	<u>B</u>	0.000494	0.00150	0.00161	1	07/11/2017 21:22	WG997255
TPH (GC/FID) Low Fraction	3.16		0.0233	0.100	0.107	1	07/11/2017 21:22	WG997255
(S) a,a,a-Trifluorotoluene(FID)	90.7				77.0-120		07/11/2017 21:22	WG997255
(S) a,a,a-Trifluorotoluene(PID)	92.7				75.0-128		07/11/2017 21:22	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	3310		48.1	4.00	85.9	20	07/12/2017 18:00	WG997145
C20-C36 Hydrocarbons	3140		14.6	4.00	85.9	20	07/12/2017 18:00	WG997145
(S) o-Terphenyl	55.7	<u>J7</u>			18.0-148		07/12/2017 18:00	WG997145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 07/06/17 16:10

L921074

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	07/08/2017 15:55	WG997023

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2670		4.53	10.0	57.0	5	07/11/2017 21:10	WG996938

5 Sr

6 Qc

7 Gl

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000137	0.000500	0.000570	1	07/11/2017 21:43	WG997255
Toluene	U		0.000171	0.00500	0.00570	1	07/11/2017 21:43	WG997255
Ethylbenzene	0.000289	B J	0.000125	0.000500	0.000570	1	07/11/2017 21:43	WG997255
Total Xylene	0.000625	B J	0.000524	0.00150	0.00171	1	07/11/2017 21:43	WG997255
TPH (GC/FID) Low Fraction	0.412	B	0.0247	0.100	0.114	1	07/11/2017 21:43	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.7				77.0-120		07/11/2017 21:43	WG997255
(S) a,a,a-Trifluorotoluene(PID)	99.1				75.0-128		07/11/2017 21:43	WG997255

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	502		12.8	4.00	22.8	5	07/12/2017 17:45	WG997145
C20-C36 Hydrocarbons	616		3.88	4.00	22.8	5	07/12/2017 17:45	WG997145
(S) o-Terphenyl	69.5				18.0-148		07/12/2017 17:45	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	07/08/2017 15:55	WG997023

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	2570		4.63	10.0	58.3	5	07/11/2017 21:19	WG996938

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000140	0.000500	0.000583	1	07/11/2017 22:04	WG997255
Toluene	U		0.000175	0.00500	0.00583	1	07/11/2017 22:04	WG997255
Ethylbenzene	U		0.000128	0.000500	0.000583	1	07/11/2017 22:04	WG997255
Total Xylene	U		0.000536	0.00150	0.00175	1	07/11/2017 22:04	WG997255
TPH (GC/FID) Low Fraction	U		0.0253	0.100	0.117	1	07/11/2017 22:04	WG997255
(S) a,a,a-Trifluorotoluene(FID)	102				77.0-120		07/11/2017 22:04	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 22:04	WG997255

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.91		2.61	4.00	4.66	1	07/12/2017 17:00	WG997145
C20-C36 Hydrocarbons	17.8		0.794	4.00	4.66	1	07/12/2017 17:00	WG997145
(S) o-Terphenyl	81.2				18.0-148		07/12/2017 17:00	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.8		1	07/08/2017 15:55	WG997023

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	719		0.856	10.0	10.8	1	07/11/2017 21:28	WG996938

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000539	1	07/11/2017 22:25	WG997255
Toluene	U		0.000162	0.00500	0.00539	1	07/11/2017 22:25	WG997255
Ethylbenzene	U		0.000118	0.000500	0.000539	1	07/11/2017 22:25	WG997255
Total Xylene	U		0.000495	0.00150	0.00162	1	07/11/2017 22:25	WG997255
TPH (GC/FID) Low Fraction	U		0.0234	0.100	0.108	1	07/11/2017 22:25	WG997255
(S) a,a,a-Trifluorotoluene(FID)	102				77.0-120		07/11/2017 22:25	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 22:25	WG997255

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	36.0		2.41	4.00	4.31	1	07/12/2017 17:15	WG997145
C20-C36 Hydrocarbons	102		0.733	4.00	4.31	1	07/12/2017 17:15	WG997145
(S) o-Terphenyl	85.4				18.0-148		07/12/2017 17:15	WG997145



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.3		1	07/08/2017 15:55	WG997023

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1510		4.26	10.0	53.6	5	07/11/2017 21:37	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000129	0.000500	0.000536	1	07/11/2017 22:46	WG997255
Toluene	U		0.000161	0.00500	0.00536	1	07/11/2017 22:46	WG997255
Ethylbenzene	U		0.000118	0.000500	0.000536	1	07/11/2017 22:46	WG997255
Total Xylene	U		0.000493	0.00150	0.00161	1	07/11/2017 22:46	WG997255
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/11/2017 22:46	WG997255
(S) a,a,a-Trifluorotoluene(FID)	97.0				77.0-120		07/11/2017 22:46	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 22:46	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.40	4.00	4.29	1	07/12/2017 14:13	WG997145
C20-C36 Hydrocarbons	6.29		0.730	4.00	4.29	1	07/12/2017 14:13	WG997145
(S) o-Terphenyl	73.9				18.0-148		07/12/2017 14:13	WG997145

1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	07/08/2017 15:55	WG997023

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	700		0.847	10.0	10.7	1	07/11/2017 21:46	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000128	0.000500	0.000533	1	07/11/2017 23:07	WG997255
Toluene	U		0.000160	0.00500	0.00533	1	07/11/2017 23:07	WG997255
Ethylbenzene	U		0.000117	0.000500	0.000533	1	07/11/2017 23:07	WG997255
Total Xylene	U		0.000490	0.00150	0.00160	1	07/11/2017 23:07	WG997255
TPH (GC/FID) Low Fraction	0.0266	B J	0.0231	0.100	0.107	1	07/11/2017 23:07	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.4				77.0-120		07/11/2017 23:07	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 23:07	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.39	4.00	4.26	1	07/12/2017 16:16	WG997145
C20-C36 Hydrocarbons	5.31		0.725	4.00	4.26	1	07/12/2017 16:16	WG997145
(S) o-Terphenyl	71.9				18.0-148		07/12/2017 16:16	WG997145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	07/08/2017 15:55	WG997023

Wet Chemistry by Method 9056A

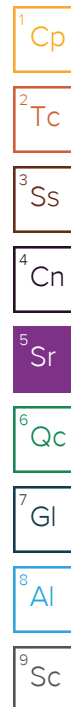
Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	349		0.860	10.0	10.8	1	07/11/2017 21:55	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000130	0.000500	0.000541	1	07/11/2017 23:27	WG997255
Toluene	U		0.000162	0.00500	0.00541	1	07/11/2017 23:27	WG997255
Ethylbenzene	U		0.000119	0.000500	0.000541	1	07/11/2017 23:27	WG997255
Total Xylene	U	J6	0.000498	0.00150	0.00162	1	07/11/2017 23:27	WG997255
TPH (GC/FID) Low Fraction	0.0237	B J J3	0.0235	0.100	0.108	1	07/11/2017 23:27	WG997255
(S) a,a,a-Trifluorotoluene(FID)	98.2				77.0-120		07/11/2017 23:27	WG997255
(S) a,a,a-Trifluorotoluene(PID)	104				75.0-128		07/11/2017 23:27	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.33	1	07/12/2017 16:31	WG997145
C20-C36 Hydrocarbons	2.87	J	0.737	4.00	4.33	1	07/12/2017 16:31	WG997145
(S) o-Terphenyl	82.9				18.0-148		07/12/2017 16:31	WG997145





Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	07/08/2017 15:55	WG997023

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	107		0.837	10.0	10.5	1	07/11/2017 22:04	WG996938

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000126	0.000500	0.000526	1	07/11/2017 23:48	WG997255
Toluene	U		0.000158	0.00500	0.00526	1	07/11/2017 23:48	WG997255
Ethylbenzene	U		0.000116	0.000500	0.000526	1	07/11/2017 23:48	WG997255
Total Xylene	U		0.000484	0.00150	0.00158	1	07/11/2017 23:48	WG997255
TPH (GC/FID) Low Fraction	U		0.0228	0.100	0.105	1	07/11/2017 23:48	WG997255
(S) a,a,a-Trifluorotoluene(FID)	101				77.0-120		07/11/2017 23:48	WG997255
(S) a,a,a-Trifluorotoluene(PID)	103				75.0-128		07/11/2017 23:48	WG997255

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.36	4.00	4.21	1	07/12/2017 16:46	WG997145
C20-C36 Hydrocarbons	3.80	J	0.717	4.00	4.21	1	07/12/2017 16:46	WG997145
(S) o-Terphenyl	74.6				18.0-148		07/12/2017 16:46	WG997145

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3231858-1 07/08/17 15:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000100			

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/08/17 15:46 • (DUP) R3231858-3 07/08/17 15:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	89.7	89.7	1	0.0237		5

Laboratory Control Sample (LCS)

(LCS) R3231858-2 07/08/17 15:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3231859-1 07/08/17 15:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000700			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L920558-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920558-01 07/08/17 15:55 • (DUP) R3231859-3 07/08/17 15:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	88.0	87.5	1	0.622		5

Laboratory Control Sample (LCS)

(LCS) R3231859-2 07/08/17 15:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3232606-1 07/11/17 17:15

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.55	⬇	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L920550-01 Original Sample (OS) • Duplicate (DUP)

(OS) L920550-01 07/11/17 18:00 • (DUP) R3232606-4 07/11/17 18:09

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	28.6	36.4	1	24	P1	15

L921074-01 Original Sample (OS) • Duplicate (DUP)

(OS) L921074-01 07/11/17 20:25 • (DUP) R3232606-7 07/11/17 20:34

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	364	329	1	10		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232606-2 07/11/17 17:24 • (LCSD) R3232606-3 07/11/17 17:33

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	196	197	98	99	80-120			1	15

L920550-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920550-02 07/11/17 18:18 • (MS) R3232606-5 07/11/17 18:27 • (MSD) R3232606-6 07/11/17 18:36

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	37.7	535	535	99	99	1	80-120			0	15

Method Blank (MB)

(MB) R3232421-4 07/11/17 14:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000342	⬇	0.000150	0.00500
Ethylbenzene	0.000117	⬇	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0391	⬇	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 99.2			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 105			75.0-128	

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-1 07/11/17 12:41 • (LCSD) R3232421-5 07/11/17 15:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0467	0.0499	93.5	99.9	71.0-121			6.62	20
Toluene	0.0500	0.0469	0.0493	93.7	98.6	72.0-120			5.06	20
Ethylbenzene	0.0500	0.0499	0.0515	99.7	103	76.0-121			3.26	20
Total Xylene	0.150	0.154	0.160	103	107	75.0-124			3.81	20
(S) a,a,a-Trifluorotoluene(FID)				97.9	97.9	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				103	97.5	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232421-2 07/11/17 13:23 • (LCSD) R3232421-3 07/11/17 13:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	4.77	4.60	86.7	83.6	70.0-136			3.56	20
(S) a,a,a-Trifluorotoluene(FID)				105	102	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				113	113	75.0-128				

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0541	U	0.0347	0.0432	64.1	79.8	1	10.0-146			21.8	29
Toluene	0.0541	U	0.0330	0.0416	60.9	76.9	1	10.0-143			23.2	30
Ethylbenzene	0.0541	U	0.0324	0.0428	59.8	79.1	1	10.0-147			27.7	31
Total Xylene	0.162	U	0.0988	0.132	60.9	81.2	1	10.0-149	J6		28.6	30



L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-6 07/11/17 16:14 • (MSD) R3232421-7 07/11/17 16:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) a,a,a-Trifluorotoluene(FID)					98.0	97.1		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					105	99.8		75.0-128				

L921074-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921074-08 07/11/17 23:27 • (MS) R3232421-8 07/11/17 16:56 • (MSD) R3232421-9 07/11/17 17:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.95	0.0237	3.63	0.854	60.6	13.9	1	10.0-147		J3	124	30
(S) a,a,a-Trifluorotoluene(FID)					97.5	107		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					110	104		75.0-128				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3232777-1 07/12/17 10:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10 - C20 Hydrocarbons	U		2.24	4.00
C20-C36 Hydrocarbons	U		0.681	4.00
(S) o-Terphenyl	114			18.0-148

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3232777-2 07/12/17 11:14 • (LCSD) R3232777-3 07/12/17 11:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	30.0	28.0	28.0	93.2	93.5	50.0-150			0.250	20
C20-C36 Hydrocarbons	30.0	30.7	29.9	102	99.7	50.0-150			2.62	20
(S) o-Terphenyl				119	114	18.0-148				

L921068-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L921068-01 07/12/17 11:44 • (MS) R3232777-4 07/12/17 11:59 • (MSD) R3232777-5 07/12/17 12:13

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	33.9	U	23.0	26.7	67.9	78.7	1	50.0-150			14.8	20
C20-C36 Hydrocarbons	33.9	3.99	28.9	32.7	73.5	84.6	1	50.0-150			12.2	20
(S) o-Terphenyl					78.2	85.4		18.0-148				



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Pike Energy Services - San Antonio, TX
321 Pike Rd.
San Antonio, TX 78209

Billing Information:

Same

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# 1921074

A039

Acctnum: PIKEENGSTX

Template:

Prelogin:

TSR: Chris McCord

PB:

Shipped Via:

Remarks Sample # (lab only)

Report to:
Frank Engallina

Email To:
pikeenergyservices@gmail.com

Project Description: ANGELL #1 REMEDIATION

City/State
Collected: LOVINGTON, NM

Phone: 210-363-2431

Client Project #

Lab Project #

Fax:

BC-004

Collected by (print):

Site/Facility ID #

P.O. #

FRANK ENGALLINA

ANGELL #1

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N ☐ Y ☒

☒ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Date Results Needed

7/11/2017

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 9056	DEO/MRO 8015	BTEX/GRO 8021										
F2-4	GRAB	SS	4'	7/6/2017	1545	2	X	X	X										-01
F3-4			4'		1550	2	X	X	X										-02
F4-4			4'		1610	2	X	X	X										-03
F5-4			4'		1620	2	X	X	X										-04
F6-4			4'		1630	2	X	X	X										-05
SE1-0			0-4"		1640	2	X	X	X										-06
SE1-2			2'		1645	2	X	X	X										-07
ESS1-0			0-4"		1655	2	X	X	X										-08
ESS1-2			2'		1700	2	X	X	X										-09

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

SAME DAY TAT!

Samples returned via:

UPS ☐ FedEx ☐ Courier ☐

pH ☐ Temp ☐

Flow ☐ Other ☐

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☐ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: ☐ °C Bottles Received: ☐
0.7 ☒ 18

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 7/8/17 Time: 0845

Hold:

Condition:
NCF / ☒ OK

July 19, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L922977
Samples Received: 07/18/2017
Project Number: BC004
Description: BC-Angell #1 Remediation
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	³ Ss
EN1-1 L922977-01	6	
EN2-1 L922977-02	7	⁴ Cn
EN3-0 L922977-03	8	⁵ Sr
EC2-1 L922977-04	9	
EC2-2 L922977-05	10	⁶ Qc
ESN2-0 L922977-06	11	
ESN2-2 L922977-07	12	⁷ Gl
SE2-0 L922977-08	13	⁸ Al
SE2-2 L922977-09	14	
WS2-2 L922977-10	15	⁹ Sc
Qc: Quality Control Summary	16	
Total Solids by Method 2540 G-2011	16	
Wet Chemistry by Method 9056A	17	
Volatile Organic Compounds (GC) by Method 8015/8021	18	
Semi-Volatile Organic Compounds (GC) by Method 8015M	20	
Gl: Glossary of Terms	21	
Al: Accreditations & Locations	22	
Sc: Chain of Custody	23	



EN1-1 L922977-01 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:30	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 18:25	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:30	07/19/17 00:18	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 11:14	ACM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

EN2-1 L922977-02 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:35	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 18:43	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:35	07/19/17 00:40	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 11:57	ACM

EN3-0 L922977-03 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:40	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:10	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:40	07/19/17 01:02	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 13:22	ACM

EC2-1 L922977-04 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:45	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:19	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:45	07/19/17 01:24	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:11	ACM

EC2-2 L922977-05 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:50	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:46	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:50	07/19/17 01:47	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:25	ACM

ESN2-0 L922977-06 Solid

			Collected by Frank Engallina	Collected date/time 07/17/17 14:55	Received date/time 07/18/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 19:55	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 14:55	07/19/17 02:09	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 13:36	ACM



ESN2-2 L922977-07 Solid

Collected by
Frank EngallinaCollected date/time
07/17/17 15:00Received date/time
07/18/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 20:04	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:00	07/19/17 02:31	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:40	ACM

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

SE2-0 L922977-08 Solid

Collected by
Frank EngallinaCollected date/time
07/17/17 15:05Received date/time
07/18/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	5	07/18/17 16:55	07/18/17 20:13	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:05	07/19/17 02:53	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 12:54	ACM

SE2-2 L922977-09 Solid

Collected by
Frank EngallinaCollected date/time
07/17/17 15:10Received date/time
07/18/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	5	07/18/17 16:55	07/18/17 20:22	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:10	07/19/17 03:15	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	1	07/19/17 00:06	07/19/17 13:08	ACM

WS2-2 L922977-10 Solid

Collected by
Frank EngallinaCollected date/time
07/17/17 15:15Received date/time
07/18/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1000190	1	07/18/17 16:10	07/18/17 16:25	MLW
Wet Chemistry by Method 9056A	WG1000045	1	07/18/17 16:55	07/18/17 20:31	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1000194	1	07/17/17 15:15	07/19/17 03:37	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1000213	10	07/19/17 00:06	07/19/17 13:51	ACM



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Technical Service Representative

Project Narrative

TPH Low Fraction is C6 - C10.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.9		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	77.6		0.821	10.0	10.3	1	07/18/2017 18:25	WG1000045

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.000245	J	0.000124	0.000500	0.000516	1	07/19/2017 00:18	WG1000194
Toluene	0.000382	B J	0.000155	0.00500	0.00516	1	07/19/2017 00:18	WG1000194
Ethylbenzene	0.000167	B J	0.000114	0.000500	0.000516	1	07/19/2017 00:18	WG1000194
Total Xylene	U		0.000475	0.00150	0.00155	1	07/19/2017 00:18	WG1000194
TPH (GC/FID) Low Fraction	U		0.0224	0.100	0.103	1	07/19/2017 00:18	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.0				77.0-120		07/19/2017 00:18	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.0				75.0-128		07/19/2017 00:18	WG1000194

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10 - C20 Hydrocarbons	3.20	J	2.31	4.00	4.13	1	07/19/2017 11:14	WG1000213
C20-C36 Hydrocarbons	10.6		0.703	4.00	4.13	1	07/19/2017 11:14	WG1000213
(S) o-Terphenyl	94.0				18.0-148		07/19/2017 11:14	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	118		0.856	10.0	10.8	1	07/18/2017 18:43	WG1000045

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.000383	J	0.000129	0.000500	0.000538	1	07/19/2017 00:40	WG1000194
Toluene	0.000484	B J	0.000161	0.00500	0.00538	1	07/19/2017 00:40	WG1000194
Ethylbenzene	0.000202	B J	0.000118	0.000500	0.000538	1	07/19/2017 00:40	WG1000194
Total Xylene	0.000500	B J	0.000495	0.00150	0.00161	1	07/19/2017 00:40	WG1000194
TPH (GC/FID) Low Fraction	U		0.0233	0.100	0.108	1	07/19/2017 00:40	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.3				77.0-120		07/19/2017 00:40	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.1				75.0-128		07/19/2017 00:40	WG1000194

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10 - C20 Hydrocarbons	U		2.41	4.00	4.30	1	07/19/2017 11:57	WG1000213
C20-C36 Hydrocarbons	7.52		0.733	4.00	4.30	1	07/19/2017 11:57	WG1000213
(S) o-Terphenyl	88.6				18.0-148		07/19/2017 11:57	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	160		0.883	10.0	11.1	1	07/18/2017 19:10	WG1000045

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000133	0.000500	0.000555	1	07/19/2017 01:02	WG1000194
Toluene	0.000359	B J	0.000167	0.00500	0.00555	1	07/19/2017 01:02	WG1000194
Ethylbenzene	0.000198	B J	0.000122	0.000500	0.000555	1	07/19/2017 01:02	WG1000194
Total Xylene	U		0.000511	0.00150	0.00167	1	07/19/2017 01:02	WG1000194
TPH (GC/FID) Low Fraction	U		0.0241	0.100	0.111	1	07/19/2017 01:02	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.6				77.0-120		07/19/2017 01:02	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.5				75.0-128		07/19/2017 01:02	WG1000194

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	6.34		2.49	4.00	4.44	1	07/19/2017 13:22	WG1000213
C20-C36 Hydrocarbons	20.3		0.756	4.00	4.44	1	07/19/2017 13:22	WG1000213
(S) o-Terphenyl	93.4				18.0-148		07/19/2017 13:22	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.7		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	121		0.831	10.0	10.4	1	07/18/2017 19:19	WG1000045

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.000313	J	0.000125	0.000500	0.000522	1	07/19/2017 01:24	WG1000194
Toluene	0.000330	B J	0.000157	0.00500	0.00522	1	07/19/2017 01:24	WG1000194
Ethylbenzene	U		0.000115	0.000500	0.000522	1	07/19/2017 01:24	WG1000194
Total Xylene	U		0.000480	0.00150	0.00157	1	07/19/2017 01:24	WG1000194
TPH (GC/FID) Low Fraction	U		0.0227	0.100	0.104	1	07/19/2017 01:24	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.8				77.0-120		07/19/2017 01:24	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.3				75.0-128		07/19/2017 01:24	WG1000194

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10 - C20 Hydrocarbons	U		2.34	4.00	4.18	1	07/19/2017 12:11	WG1000213
C20-C36 Hydrocarbons	7.17		0.711	4.00	4.18	1	07/19/2017 12:11	WG1000213
(S) o-Terphenyl	90.6				18.0-148		07/19/2017 12:11	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	224		0.850	10.0	10.7	1	07/18/2017 19:46	WG1000045

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000189	J	0.000128	0.000500	0.000534	1	07/19/2017 01:47	WG1000194
Toluene	0.000162	B J	0.000160	0.00500	0.00534	1	07/19/2017 01:47	WG1000194
Ethylbenzene	U		0.000118	0.000500	0.000534	1	07/19/2017 01:47	WG1000194
Total Xylene	U		0.000492	0.00150	0.00160	1	07/19/2017 01:47	WG1000194
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/19/2017 01:47	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.7				77.0-120		07/19/2017 01:47	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.5				75.0-128		07/19/2017 01:47	WG1000194

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.39	4.00	4.27	1	07/19/2017 12:25	WG1000213
C20-C36 Hydrocarbons	10.8		0.728	4.00	4.27	1	07/19/2017 12:25	WG1000213
(S) o-Terphenyl	80.7				18.0-148		07/19/2017 12:25	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	272		0.859	10.0	10.8	1	07/18/2017 19:55	WG1000045

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000268	J	0.000130	0.000500	0.000540	1	07/19/2017 02:09	WG1000194
Toluene	0.000466	B J	0.000162	0.00500	0.00540	1	07/19/2017 02:09	WG1000194
Ethylbenzene	0.000206	B J	0.000119	0.000500	0.000540	1	07/19/2017 02:09	WG1000194
Total Xylene	U		0.000497	0.00150	0.00162	1	07/19/2017 02:09	WG1000194
TPH (GC/FID) Low Fraction	U		0.0234	0.100	0.108	1	07/19/2017 02:09	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.1				77.0-120		07/19/2017 02:09	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.1				75.0-128		07/19/2017 02:09	WG1000194

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	10.7		2.42	4.00	4.32	1	07/19/2017 13:36	WG1000213
C20-C36 Hydrocarbons	35.5		0.736	4.00	4.32	1	07/19/2017 13:36	WG1000213
(S) o-Terphenyl	86.7				18.0-148		07/19/2017 13:36	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	113		0.860	10.0	10.8	1	07/18/2017 20:04	WG1000045

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.000463	J	0.000130	0.000500	0.000541	1	07/19/2017 02:31	WG1000194
Toluene	0.000366	B J	0.000162	0.00500	0.00541	1	07/19/2017 02:31	WG1000194
Ethylbenzene	0.000122	B J	0.000119	0.000500	0.000541	1	07/19/2017 02:31	WG1000194
Total Xylene	U		0.000497	0.00150	0.00162	1	07/19/2017 02:31	WG1000194
TPH (GC/FID) Low Fraction	U		0.0235	0.100	0.108	1	07/19/2017 02:31	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.9				77.0-120		07/19/2017 02:31	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.5				75.0-128		07/19/2017 02:31	WG1000194

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.42	4.00	4.33	1	07/19/2017 12:40	WG1000213
C20-C36 Hydrocarbons	9.77		0.736	4.00	4.33	1	07/19/2017 12:40	WG1000213
(S) o-Terphenyl	94.3				18.0-148		07/19/2017 12:40	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	1250		4.23	10.0	53.2	5	07/18/2017 20:13	WG1000045

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	0.00105		0.000128	0.000500	0.000532	1	07/19/2017 02:53	WG1000194
Toluene	0.000769	B J	0.000159	0.00500	0.00532	1	07/19/2017 02:53	WG1000194
Ethylbenzene	0.000200	B J	0.000117	0.000500	0.000532	1	07/19/2017 02:53	WG1000194
Total Xylene	U		0.000489	0.00150	0.00159	1	07/19/2017 02:53	WG1000194
TPH (GC/FID) Low Fraction	0.0278	J	0.0231	0.100	0.106	1	07/19/2017 02:53	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	89.2				77.0-120		07/19/2017 02:53	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	96.5				75.0-128		07/19/2017 02:53	WG1000194

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10 - C20 Hydrocarbons	U		2.38	4.00	4.25	1	07/19/2017 12:54	WG1000213
C20-C36 Hydrocarbons	7.38		0.724	4.00	4.25	1	07/19/2017 12:54	WG1000213
(S) o-Terphenyl	80.8				18.0-148		07/19/2017 12:54	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.6		1	07/18/2017 16:25	WG1000190

¹ Cp² Tc³ Ss⁴ Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	1300		4.20	10.0	52.9	5	07/18/2017 20:22	WG1000045

⁵ Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000628		0.000127	0.000500	0.000529	1	07/19/2017 03:15	WG1000194
Toluene	0.000283	B J	0.000159	0.00500	0.00529	1	07/19/2017 03:15	WG1000194
Ethylbenzene	U		0.000116	0.000500	0.000529	1	07/19/2017 03:15	WG1000194
Total Xylene	U		0.000486	0.00150	0.00159	1	07/19/2017 03:15	WG1000194
TPH (GC/FID) Low Fraction	U		0.0229	0.100	0.106	1	07/19/2017 03:15	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.6				77.0-120		07/19/2017 03:15	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	97.7				75.0-128		07/19/2017 03:15	WG1000194

⁶ Qc⁷ Gl⁸ Al⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10 - C20 Hydrocarbons	U		2.37	4.00	4.23	1	07/19/2017 13:08	WG1000213
C20-C36 Hydrocarbons	5.44		0.720	4.00	4.23	1	07/19/2017 13:08	WG1000213
(S) o-Terphenyl	83.3				18.0-148		07/19/2017 13:08	WG1000213



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.1		1	07/18/2017 16:25	WG1000190

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	476		0.827	10.0	10.4	1	07/18/2017 20:31	WG1000045

5 Sr

6 Qc

7 Gl

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.000315	J	0.000125	0.000500	0.000520	1	07/19/2017 03:37	WG1000194
Toluene	0.000375	B J	0.000156	0.00500	0.00520	1	07/19/2017 03:37	WG1000194
Ethylbenzene	0.000151	B J	0.000114	0.000500	0.000520	1	07/19/2017 03:37	WG1000194
Total Xylene	U		0.000478	0.00150	0.00156	1	07/19/2017 03:37	WG1000194
TPH (GC/FID) Low Fraction	U		0.0226	0.100	0.104	1	07/19/2017 03:37	WG1000194
(S) a,a,a-Trifluorotoluene(FID)	90.0				77.0-120		07/19/2017 03:37	WG1000194
(S) a,a,a-Trifluorotoluene(PID)	98.4				75.0-128		07/19/2017 03:37	WG1000194

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10 - C20 Hydrocarbons	U		23.3	4.00	41.6	10	07/19/2017 13:51	WG1000213
C20-C36 Hydrocarbons	440		7.08	4.00	41.6	10	07/19/2017 13:51	WG1000213
(S) o-Terphenyl	92.2				18.0-148		07/19/2017 13:51	WG1000213

Sample Narrative:

L922977-10 WG1000213: Dilution due to matrix impact during extract concentration procedure



Method Blank (MB)

(MB) R3234309-1 07/18/17 16:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000500			

L922977-01 Original Sample (OS) • Duplicate (DUP)

(OS) L922977-01 07/18/17 16:25 • (DUP) R3234309-3 07/18/17 16:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	96.9	97.0	1	0.0672		5

Laboratory Control Sample (LCS)

(LCS) R3234309-2 07/18/17 16:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3234307-1 07/18/17 17:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

L923009-05 Original Sample (OS) • Duplicate (DUP)

(OS) L923009-05 07/18/17 21:35 • (DUP) R3234307-7 07/18/17 21:44

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	4650	4680	10	1		15

L922977-01 Original Sample (OS) • Duplicate (DUP)

(OS) L922977-01 07/18/17 18:25 • (DUP) R3234307-4 07/18/17 18:34

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	77.6	87.5	1	12		15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234307-2 07/18/17 17:49 • (LCSD) R3234307-3 07/18/17 17:58

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	189	190	95	95	80-120			0	15

L922977-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922977-02 07/18/17 18:43 • (MS) R3234307-5 07/18/17 18:52 • (MSD) R3234307-6 07/18/17 19:01

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	538	118	640	621	97	94	1	80-120			3	15

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3234335-5 07/18/17 23:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000473	U	0.000150	0.00500
Ethylbenzene	0.000250	U	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 93.3			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 103			75.0-128	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234335-1 07/18/17 21:21 • (LCSD) R3234335-2 07/18/17 21:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0489	0.0461	97.7	92.1	71.0-121			5.86	20
Toluene	0.0500	0.0497	0.0457	99.3	91.5	72.0-120			8.19	20
Ethylbenzene	0.0500	0.0485	0.0454	97.1	90.8	76.0-121			6.65	20
Total Xylene	0.150	0.142	0.132	94.8	87.7	75.0-124			7.74	20
(S) a,a,a-Trifluorotoluene(FID)				94.1	95.4	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				101	103	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234335-3 07/18/17 22:05 • (LCSD) R3234335-4 07/18/17 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.97	5.96	109	108	70.0-136			0.0800	20
(S) a,a,a-Trifluorotoluene(FID)				107	108	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				118	118	75.0-128				

L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-6 07/19/17 07:19 • (MSD) R3234335-7 07/19/17 07:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	ND	0.00544	0.0124	10.0	23.9	1	10.0-146		J3	77.9	29
Toluene	0.0500	ND	0.00455	0.0133	8.12	25.7	1	10.0-143	J6	J3	98.2	30
Ethylbenzene	0.0500	ND	0.00333	0.0137	6.36	27.1	1	10.0-147	J6	J3	122	31
Total Xylene	0.150	ND	0.00861	0.0364	5.74	24.3	1	10.0-149	J6	J3 J6	123	30
(S) a,a,a-Trifluorotoluene(FID)					87.6	87.7		77.0-120				



L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-6 07/19/17 07:19 • (MSD) R3234335-7 07/19/17 07:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) a,a,a-Trifluorotoluene(PID)					94.9	94.7		75.0-128				

L922881-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922881-01 07/19/17 06:56 • (MS) R3234335-8 07/19/17 08:03 • (MSD) R3234335-9 07/19/17 08:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	0.246	0.152	3.97	2.27	1	10.0-147	J6	J3 J6	47.1	30
(S) a,a,a-Trifluorotoluene(FID)					89.8	80.3		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					96.8	87.2		75.0-128				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3234461-1 07/19/17 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10 - C20 Hydrocarbons	U		2.24	4.00
C20-C36 Hydrocarbons	U		0.681	4.00
(S) o-Terphenyl	91.7			18.0-148

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3234461-2 07/19/17 10:46 • (LCSD) R3234461-3 07/19/17 11:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	30.0	21.6	22.5	71.8	75.1	50.0-150			4.45	20
C20-C36 Hydrocarbons	30.0	24.5	24.8	81.7	82.7	50.0-150			1.18	20
(S) o-Terphenyl				84.4	85.2	18.0-148				

L922977-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L922977-01 07/19/17 11:14 • (MS) R3234461-4 07/19/17 11:29 • (MSD) R3234461-5 07/19/17 11:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10 - C20 Hydrocarbons	31.0	3.20	23.4	23.6	65.3	66.0	1	50.0-150			0.900	20
C20-C36 Hydrocarbons	31.0	10.6	35.8	35.3	81.7	80.0	1	50.0-150			1.43	20
(S) o-Terphenyl					77.2	77.2		18.0-148				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Pike Energy Services - San Antonio, TX
321 Pike Rd.
San Antonio, TX 78209

Billing Information:

Same

Pres.
Chk.

Analysis / Container / Preservative

Chain of Custody

Page 1 of 1



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# 922977

E177

Acctnum: PIKEENGSTX

Template:

Prelogin:

TSR: Chris McCord

PB:

Shipped Via:

Remarks

Sample # (lab only)

Report to:
Frank Engallina

Email To:
pikeenergyservices@gmail.com

Project Description: ANGEL #1 REMEDIATION

City/State
Collected: LOVINGTON, NM

Phone: 210-363-2431
Fax:

Client Project #

BC004

Lab Project #

Collected by (print):

FRANK ENGALLINA

Site/Facility ID #

ANGEL #1

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Same Day _____ Five Day _____
☒ Next Day _____ 5 Day (Rad Only) _____
Two Day _____ 10 Day (Rad Only) _____
Three Day _____

Date Results Needed

Immediately
Packed on Ice N _____ Y _____

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	CHLORIDE 9056	DRO/MRO 8015	BTEX/ERO 8021										
EN1-1	GRAB	SS	1'	7/17/2017	1430	2	X	X	X										01
EN2-1			1'		1435	2	X	X	X										02
EN3-0			0-4"		1440	2	X	X	X										03
EC2-1			1'		1445	2	X	X	X										04
EC2-2			2'		1450	2	X	X	X										05
ESN2-0			0-4"		1455	2	X	X	X										06
ESN2-2			2'		1500	2	X	X	X										07
SEL-0			0-4"		1505	2	X	X	X										08
SEL-2			2'		1510	2	X	X	X										09
WS2-2			2'		1515	2	X	X	X										10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - Wastewater
DW - Drinking Water
OT - Other

Remarks:

NEXT DAY RUSH!

Samples returned via:
UPS _____ FedEx _____ Courier _____

Tracking # 6573 5227 6577

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N

Relinquished by: (Signature)

Date: 7/17/2017 Time: 1700

Received by: (Signature)

Trip Blank Received: Yes ☐ No ☒
HCL/MeOH
TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: 1.5 °C Bottles Received: 20

Relinquished by: (Signature)

Date: Time:

Received for lab by: (Signature)

Date: 7/18/17 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition:
NCF / OK

July 28, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L924777
Samples Received: 07/26/2017
Project Number: BC-004
Description: BC-Angell #1 Remediation
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Jason Romer
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
SC1-0 L924777-01	6
SC1-2 L924777-02	7
SE3-0 L924777-03	8
SE3-2 L924777-04	9
ESS2-0 L924777-05	10
ESS2-2 L924777-06	11
WS3-2 L924777-07	12
Qc: Quality Control Summary	13
Total Solids by Method 2540 G-2011	13
Wet Chemistry by Method 9056A	15
Volatile Organic Compounds (GC) by Method 8015/8021	16
Semi-Volatile Organic Compounds (GC) by Method 8015	18
Gl: Glossary of Terms	19
Al: Accreditations & Locations	20
Sc: Chain of Custody	21



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SC1-0 L924777-01 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 11:30	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:01	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:30	07/27/17 01:48	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 12:58	DMG

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SC1-2 L924777-02 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 11:35	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:10	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:35	07/27/17 02:10	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 15:38	KLM

SE3-0 L924777-03 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 11:45	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:19	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:45	07/27/17 02:32	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 15:56	KLM

SE3-2 L924777-04 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 11:50	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:28	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 11:50	07/27/17 02:54	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:14	KLM

ESS2-0 L924777-05 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 12:00	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:37	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:00	07/27/17 03:17	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:32	KLM

ESS2-2 L924777-06 Solid

			Collected by Frank Engallina	Collected date/time 07/25/17 12:05	Received date/time 07/26/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002769	1	07/26/17 12:38	07/26/17 12:49	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:46	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:05	07/27/17 03:39	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:49	KLM

ACCOUNT:

Pike Energy Services - San Antonio, TX

PROJECT:

BC-004

SDG:

L924777

DATE/TIME:

07/28/17 11:10

PAGE:

3 of 21



WS3-2 L924777-07 Solid

Collected by
Frank EngallinaCollected date/time
07/25/17 12:15Received date/time
07/26/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1002771	1	07/26/17 13:51	07/26/17 14:05	KDW
Wet Chemistry by Method 9056A	WG1002785	1	07/26/17 09:20	07/26/17 15:55	DR
Volatile Organic Compounds (GC) by Method 8015/8021	WG1003035	1	07/25/17 12:15	07/27/17 04:01	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1002932	1	07/26/17 20:11	07/27/17 16:45	DMG

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.4		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	72.4		0.808	10.0	10.2	1	07/26/2017 15:01	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000122	0.000500	0.000508	1	07/27/2017 01:48	WG1003035
Toluene	U		0.000152	0.00500	0.00508	1	07/27/2017 01:48	WG1003035
Ethylbenzene	U		0.000112	0.000500	0.000508	1	07/27/2017 01:48	WG1003035
Total Xylene	U		0.000467	0.00150	0.00152	1	07/27/2017 01:48	WG1003035
TPH (GC/FID) Low Fraction	U		0.0220	0.100	0.102	1	07/27/2017 01:48	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.4				77.0-120		07/27/2017 01:48	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 01:48	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.87	J	1.64	4.00	4.06	1	07/27/2017 12:58	WG1002932
C28-C40 Oil Range	4.73		0.278	4.00	4.06	1	07/27/2017 12:58	WG1002932
(S) o-Terphenyl	99.4				18.0-148		07/27/2017 12:58	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	521		0.827	10.0	10.4	1	07/26/2017 15:10	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000125	0.000500	0.000520	1	07/27/2017 02:10	WG1003035
Toluene	U		0.000156	0.00500	0.00520	1	07/27/2017 02:10	WG1003035
Ethylbenzene	U		0.000114	0.000500	0.000520	1	07/27/2017 02:10	WG1003035
Total Xylene	U		0.000479	0.00150	0.00156	1	07/27/2017 02:10	WG1003035
TPH (GC/FID) Low Fraction	U		0.0226	0.100	0.104	1	07/27/2017 02:10	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	91.9				77.0-120		07/27/2017 02:10	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 02:10	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.79	J	1.67	4.00	4.16	1	07/27/2017 15:38	WG1002932
C28-C40 Oil Range	10.8		0.285	4.00	4.16	1	07/27/2017 15:38	WG1002932
(S) o-Terphenyl	62.8				18.0-148		07/27/2017 15:38	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	173		0.825	10.0	10.4	1	07/26/2017 15:19	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000125	0.000500	0.000519	1	07/27/2017 02:32	WG1003035
Toluene	U		0.000156	0.00500	0.00519	1	07/27/2017 02:32	WG1003035
Ethylbenzene	U		0.000114	0.000500	0.000519	1	07/27/2017 02:32	WG1003035
Total Xylene	U		0.000477	0.00150	0.00156	1	07/27/2017 02:32	WG1003035
TPH (GC/FID) Low Fraction	U		0.0225	0.100	0.104	1	07/27/2017 02:32	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.6				77.0-120		07/27/2017 02:32	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 02:32	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.95	J	1.67	4.00	4.15	1	07/27/2017 15:56	WG1002932
C28-C40 Oil Range	6.22		0.284	4.00	4.15	1	07/27/2017 15:56	WG1002932
(S) o-Terphenyl	102				18.0-148		07/27/2017 15:56	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.5		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	176		0.815	10.0	10.3	1	07/26/2017 15:28	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000123	0.000500	0.000513	1	07/27/2017 02:54	WG1003035
Toluene	U		0.000154	0.00500	0.00513	1	07/27/2017 02:54	WG1003035
Ethylbenzene	U		0.000113	0.000500	0.000513	1	07/27/2017 02:54	WG1003035
Total Xylene	U		0.000472	0.00150	0.00154	1	07/27/2017 02:54	WG1003035
TPH (GC/FID) Low Fraction	U		0.0223	0.100	0.103	1	07/27/2017 02:54	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.3				77.0-120		07/27/2017 02:54	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 02:54	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	2.02	J	1.65	4.00	4.10	1	07/27/2017 16:14	WG1002932
C28-C40 Oil Range	6.81		0.281	4.00	4.10	1	07/27/2017 16:14	WG1002932
(S) o-Terphenyl	105				18.0-148		07/27/2017 16:14	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	121		0.851	10.0	10.7	1	07/26/2017 15:37	WG1002785

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000128	0.000500	0.000535	1	07/27/2017 03:17	WG1003035
Toluene	U		0.000161	0.00500	0.00535	1	07/27/2017 03:17	WG1003035
Ethylbenzene	U		0.000118	0.000500	0.000535	1	07/27/2017 03:17	WG1003035
Total Xylene	U		0.000492	0.00150	0.00161	1	07/27/2017 03:17	WG1003035
TPH (GC/FID) Low Fraction	U		0.0232	0.100	0.107	1	07/27/2017 03:17	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.8				77.0-120		07/27/2017 03:17	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	101				75.0-128		07/27/2017 03:17	WG1003035

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1.81	J	1.72	4.00	4.28	1	07/27/2017 16:32	WG1002932
C28-C40 Oil Range	2.92	J	0.293	4.00	4.28	1	07/27/2017 16:32	WG1002932
(S) o-Terphenyl	118				18.0-148		07/27/2017 16:32	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.5		1	07/26/2017 12:49	WG1002769

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Chloride	115		0.816	10.0	10.3	1	07/26/2017 15:46	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Benzene	U		0.000123	0.000500	0.000513	1	07/27/2017 03:39	WG1003035
Toluene	U		0.000154	0.00500	0.00513	1	07/27/2017 03:39	WG1003035
Ethylbenzene	U		0.000113	0.000500	0.000513	1	07/27/2017 03:39	WG1003035
Total Xylene	U		0.000472	0.00150	0.00154	1	07/27/2017 03:39	WG1003035
TPH (GC/FID) Low Fraction	U		0.0223	0.100	0.103	1	07/27/2017 03:39	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	91.9				77.0-120		07/27/2017 03:39	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 03:39	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.55	J	1.65	4.00	4.10	1	07/27/2017 16:49	WG1002932
C28-C40 Oil Range	7.00		0.281	4.00	4.10	1	07/27/2017 16:49	WG1002932
(S) o-Terphenyl	93.1				18.0-148		07/27/2017 16:49	WG1002932



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.8		1	07/26/2017 14:05	WG1002771

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	50.9		0.916	10.0	11.5	1	07/26/2017 15:55	WG1002785

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000138	0.000500	0.000576	1	07/27/2017 04:01	WG1003035
Toluene	U		0.000173	0.00500	0.00576	1	07/27/2017 04:01	WG1003035
Ethylbenzene	U		0.000127	0.000500	0.000576	1	07/27/2017 04:01	WG1003035
Total Xylene	U		0.000530	0.00150	0.00173	1	07/27/2017 04:01	WG1003035
TPH (GC/FID) Low Fraction	U		0.0250	0.100	0.115	1	07/27/2017 04:01	WG1003035
(S) a,a,a-Trifluorotoluene(FID)	92.0				77.0-120		07/27/2017 04:01	WG1003035
(S) a,a,a-Trifluorotoluene(PID)	100				75.0-128		07/27/2017 04:01	WG1003035

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.86	4.00	4.61	1	07/27/2017 16:45	WG1002932
C28-C40 Oil Range	3.83	J	0.316	4.00	4.61	1	07/27/2017 16:45	WG1002932
(S) o-Terphenyl	70.8				18.0-148		07/27/2017 16:45	WG1002932



Method Blank (MB)

(MB) R3236523-1 07/26/17 12:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000200			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L924773-40 Original Sample (OS) • Duplicate (DUP)

(OS) L924773-40 07/26/17 12:49 • (DUP) R3236523-3 07/26/17 12:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.5	92.0	1	0.559		5

Laboratory Control Sample (LCS)

(LCS) R3236523-2 07/26/17 12:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3236537-1 07/26/17 14:05

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000600			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L924574-15 Original Sample (OS) • Duplicate (DUP)

(OS) L924574-15 07/26/17 14:05 • (DUP) R3236537-3 07/26/17 14:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	78.8	78.8	1	0.0152		5

Laboratory Control Sample (LCS)

(LCS) R3236537-2 07/26/17 14:05

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3236325-1 07/26/17 09:45

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	2.17	↓	0.795	10.0

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L924508-01 Original Sample (OS) • Duplicate (DUP)

(OS) L924508-01 07/26/17 10:49 • (DUP) R3236325-5 07/26/17 10:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	130	184	10	35	P1	15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236325-2 07/26/17 09:54 • (LCSD) R3236325-3 07/26/17 10:03

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	200	202	100	101	80-120			1	15

L924739-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924739-03 07/26/17 14:34 • (MS) R3236325-6 07/26/17 14:43 • (MSD) R3236325-7 07/26/17 14:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	34.3	574	505	108	94	1	80-120			13	15

Method Blank (MB)

(MB) R3236554-5 07/26/17 23:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000400	U	0.000150	0.00500
Ethylbenzene	0.000197	U	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID) 94.5			77.0-120	
(S) a,a,a-Trifluorotoluene(PID) 104			75.0-128	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236554-1 07/26/17 21:51 • (LCSD) R3236554-2 07/26/17 22:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0539	0.0536	108	107	71.0-121			0.630	20
Toluene	0.0500	0.0542	0.0529	108	106	72.0-120			2.47	20
Ethylbenzene	0.0500	0.0534	0.0526	107	105	76.0-121			1.52	20
Total Xylene	0.150	0.157	0.153	105	102	75.0-124			2.45	20
(S) a,a,a-Trifluorotoluene(FID)				94.5	94.7	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				103	102	75.0-128				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236554-3 07/26/17 22:42 • (LCSD) R3236554-4 07/26/17 23:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.54	5.15	101	93.6	70.0-136			7.26	20
(S) a,a,a-Trifluorotoluene(FID)				107	106	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				117	117	75.0-128				

L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27/17 06:14 • (MS) R3236554-6 07/27/17 06:36 • (MSD) R3236554-7 07/27/17 06:59

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.00161	0.0344	0.0342	65.5	65.3	1	10.0-146			0.330	29
Toluene	0.0500	ND	0.0274	0.0271	51.2	50.7	1	10.0-143			1.00	30
Ethylbenzene	0.0500	ND	0.0203	0.0196	39.8	38.4	1	10.0-147			3.58	31
Total Xylene	0.150	ND	0.0490	0.0466	31.9	30.3	1	10.0-149	J6	J6	5.02	30
(S) a,a,a-Trifluorotoluene(FID)					90.3	90.9		77.0-120				



L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27/17 06:14 • (MS) R3236554-6 07/27/17 06:36 • (MSD) R3236554-7 07/27/17 06:59												
Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
(S) a,a,a-Trifluorotoluene(PID)					98.1	98.6		75.0-128				

L924515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L924515-05 07/27/17 06:14 • (MS) R3236554-8 07/27/17 07:21 • (MSD) R3236554-9 07/27/17 07:43												
Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	2.46	1.80	43.3	31.2	1	10.0-147		J3	31.2	30
(S) a,a,a-Trifluorotoluene(FID)					94.1	90.3		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					104	102		75.0-128				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3236651-1 07/27/17 14:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	109			18.0-148

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3236651-2 07/27/17 15:04 • (LCSD) R3236651-3 07/27/17 15:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.0	44.2	45.2	73.7	75.4	50.0-150			2.15	20
(S) o-Terphenyl				102	102	18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



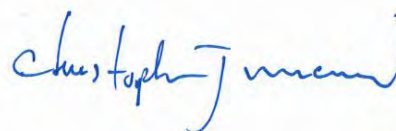
Condition:
NCF / OK

June 30, 2017

Pike Energy Services - San Antonio, TX

Sample Delivery Group: L919282
Samples Received: 06/29/2017
Project Number: BC-004
Description: BC-Angell #1 - Delin.
Site: ANGELL #1
Report To: Frank Engallina
321 Pike Rd.
San Antonio, TX 78209

Entire Report Reviewed By:



Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
ACP-001 L919282-01	5	
ACP-002 L919282-02	6	⁴ Cn
ACP-003 L919282-03	7	⁵ Sr
Qc: Quality Control Summary	8	
Total Solids by Method 2540 G-2011	8	⁶ Qc
Wet Chemistry by Method 9056A	9	
Gl: Glossary of Terms	10	⁷ Gl
Al: Accreditations & Locations	11	⁸ Al
Sc: Chain of Custody	12	⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



ACP-001 L919282-01 Solid

Collected by
Frank EngallinaCollected date/time
06/26/17 12:30Received date/time
06/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:35	DR

¹Cp²Tc³Ss

ACP-002 L919282-02 Solid

Collected by
Frank EngallinaCollected date/time
06/26/17 12:35Received date/time
06/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:44	DR

⁴Cn⁵Sr⁶Qc

ACP-003 L919282-03 Solid

Collected by
Frank EngallinaCollected date/time
06/26/17 12:40Received date/time
06/29/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG994221	1	06/29/17 13:54	06/29/17 14:02	MLW
Wet Chemistry by Method 9056A	WG993924	1	06/29/17 10:23	06/29/17 13:53	DR

⁷Gl⁸Al⁹Sc

ACCOUNT:

Pike Energy Services - San Antonio, TX

PROJECT:

BC-004

SDG:

L919282

DATE/TIME:

06/30/17 18:08

PAGE:

3 of 12



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	06/29/2017 14:02	WG994221

¹Cp

²Tc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	37.9		0.906	10.0	11.4	1	06/29/2017 13:35	WG993924

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.4		1	06/29/2017 14:02	WG994221

Wet Chemistry by Method 9056A

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	39.4		0.899	10.0	11.3	1	06/29/2017 13:44	WG993924

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.2		1	06/29/2017 14:02	WG994221

¹ Cp

² Tc

Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	35.5		0.892	10.0	11.2	1	06/29/2017 13:53	WG993924

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3230034-1 06/29/17 14:02

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000			

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L919272-01 Original Sample (OS) • Duplicate (DUP)

(OS) L919272-01 06/29/17 14:02 • (DUP) R3230034-3 06/29/17 14:02

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	94.5	89.7	1	5.17	<u>J3</u>	5

Laboratory Control Sample (LCS)

(LCS) R3230034-2 06/29/17 14:02

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3229865-1 06/29/17 11:02

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L918677-01 Original Sample (OS) • Duplicate (DUP)

(OS) L918677-01 06/29/17 12:05 • (DUP) R3229865-6 06/29/17 12:14

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	411	384	1	7		15

L919137-06 Original Sample (OS) • Duplicate (DUP)

(OS) L919137-06 06/29/17 15:11 • (DUP) R3229865-9 06/29/17 15:20

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	557	442	1	23	J3	15

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3229865-4 06/29/17 11:47 • (LCSD) R3229865-5 06/29/17 11:56

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	162	161	81	81	80-120			1	15

L918677-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L918677-02 06/29/17 12:23 • (MS) R3229865-7 06/29/17 12:32 • (MSD) R3229865-8 06/29/17 12:41

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	587	540	1060	1110	88	98	1	80-120			5	15



Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Sample Detection Limit.
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee ¹⁴	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Condition

Appendix D
Load Tickets



JUL 10 2017

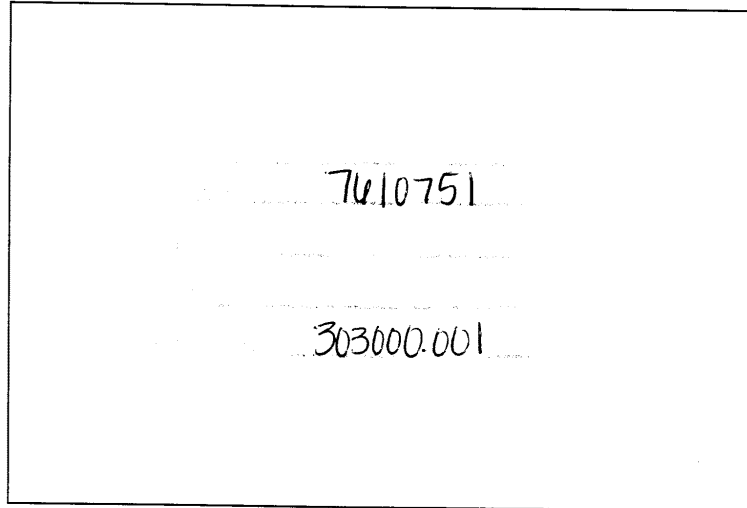
R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 6/30/2017
Invoice #: C156674
Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo: Jason W.

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710



Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817894	6/27/2017	NA		FRANK ENGALLINA	L & C TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817895	6/27/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817911	6/27/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817912	6/27/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817938	6/27/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	817939	6/27/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818000	6/28/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818004	6/28/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818014	6/28/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818016	6/28/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818033	6/28/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818035	6/28/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818068	6/28/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 6/30/2017
Invoice #: C156674

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818070	6/28/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818099	6/28/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818100	6/28/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818210	6/29/2017	NA	FRANK ENGILLIANA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818211	6/29/2017	NA	FRANK ENGILLIANA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818241	6/29/2017	NA	FRANK ENGILLIANA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818242	6/29/2017	NA	FRANK ENGILLIANA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818273	6/29/2017	NA	FRANK ENGILLIANA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818275	6/29/2017	NA	FRANK ENGILLIANA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818297	6/29/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818298	6/29/2017	NA	FRANK ENGALLINA	4B SERVICES LLC

Please Remit To:
R360-Permian Basin Region
P.O.Box 671798
Dallas, TX 75267-1798
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$10,560.00
NM Sales Tax (6.8125%): \$719.40
Total: \$11,279.40

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	480.00	yards	\$10,560.00
Sales Tax (NM)	\$719.40	1.00	each	\$719.40

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/27/2017
Hauler: L & C TRUCKING
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-817894
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

i6UJ9A00T10I

6/29/2017 10:06:50AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/27/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-817895
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T10J

6/29/2017 10:02:38AM



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/27/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-817911
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIAN
AFE #:
PO #:
Manifest #: 262782
Manif. Date: 6/27/2017
Hauler: 4B SERVICES LLC
Driver PABLO
Truck # 105
Card #
Job Ref #

Ticket #: 700-817912
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/27/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-817938
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/27/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-817939
Bid #: O6UJ9A00081C
Date: 6/27/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CR11430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818000
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T11E

6/29/2017 10:09:32AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CR11430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818004
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1IX

6/29/2017 10:07:14AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818014
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1N1

6/29/2017 10:07:38AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818016
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1NB

6/29/2017 10:08:06AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818033
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1QG

6/29/2017 10:08:50AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818035
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1QV

6/29/2017 10:04:13AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818068
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818070
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1WK

6/29/2017 10:09:10AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818099
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1ZS

6/29/2017 10:10:19AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/28/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818100
Bid #: O6UJ9A00081C
Date: 6/28/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50	0.00	0.00	0.00	N/A						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T1ZT

6/29/2017 10:09:56AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818210
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

IGUJ9A00T2HR

6/29/2017 10:11:17



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818211
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

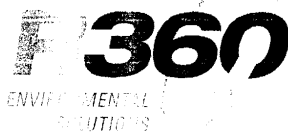
R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818241
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



ENVIRONMENTAL
SCIENCE

Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818242
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818273
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

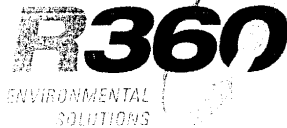
R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ANGEILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818275
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T2Q3

6/29/2017 10:11 AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ANGEILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818297
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	N/A						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

IGU19A00T2SF

6/29/2017 4:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ANGEILLAIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818298
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



JUL 10 2017

R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 6/30/2017
Invoice #: C156713

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo: Jason W.

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

7610751

303000.001

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818180	6/29/2017	NA		FRANK ENGILLIANA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818182	6/29/2017	NA		FRANK ENGILLIANA	4B SERVICES LLC

Please Remit To:
R360-Permian Basin Region
P.O. Box 671798
Dallas, TX 75267-1798
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$880.00
NM Sales Tax (6.8125%): \$59.95
Total: \$939.95

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	40.00	yards	\$880.00
Sales Tax (NM)	\$59.95	1.00	each	\$59.95

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



Permian Basin

Customer: BC Operating
Customer #: CRI9930 CRI 1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #:
Job Ref #:

Ticket #: 700-818180
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: BC Operating
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

CUJ9A0012AA

6/29/2017



Permian Basin

Customer: *BC Operating*
Customer #: *CRT 1430*
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/29/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818182
Bid #: Walk-in Bid
Date: 6/29/2017
Generator: *BC Operating*
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

RECEIVED

JUL 14 2017

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Invoice

Date: 7/12/2017
Invoice #: C156887
Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Vendor	7610751
CODE	
AFE	
Lease/Well	303600.001

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co.
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818362	6/30/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818363	6/30/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818385	6/30/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818387	6/30/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818397	6/30/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818400	6/30/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818410	6/30/2017	NA		FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818419	6/30/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818420	6/30/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818430	6/30/2017	NA		FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818444	6/30/2017	NA		FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818446	6/30/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	818447	6/30/2017	NA		FRANK ENGALLINA	P

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/12/2017
Invoice #: C156887

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818497	7/1/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818498	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818499	7/1/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818500	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818501	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818502	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818503	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818509	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818511	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818512	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818514	7/1/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818515	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818516	7/1/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818524	7/1/2017	NA	FRANK ENGALLINA	P
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818531	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818534	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818535	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818536	7/1/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818537	7/1/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818545	7/1/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818549	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818550	7/1/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818553	7/1/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818555	7/1/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818556	7/1/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818826	7/3/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818827	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818828	7/3/2017	NA	FRANK ENGALLINA	Luna Trucking
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818833	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/12/2017
Invoice #: C156887

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818834	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818844	7/3/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818848	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818851	7/3/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818858	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818859	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818883	7/3/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818888	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818889	7/3/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818894	7/3/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818903	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818931	7/3/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818932	7/3/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818933	7/3/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818936	7/3/2017	NA	FRANK ENGALLINA	PJR TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	818946	7/3/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819244	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819246	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819249	7/5/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819253	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819279	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819280	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819287	7/5/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819290	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819305	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819306	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819307	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819309	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819332	7/5/2017	NA	FRANK ENGALLINA	DOG TRUCKING

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/12/2017
Invoice #: C156887
Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819334	7/5/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819338	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819340	7/5/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819440	7/6/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819441	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819442	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819443	7/6/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819444	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819445	7/6/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819449	7/6/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819465	7/6/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819471	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819473	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819477	7/6/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819478	7/6/2017	NFA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819479	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819486	7/6/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819490	7/6/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819493	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819502	7/6/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819503	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819506	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819507	7/6/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819509	7/6/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819524	7/6/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819530	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819539	7/6/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819540	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819541	7/6/2017	NA	FRANK ENGALLINA	4B SERVICES LLC

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/12/2017
Invoice #: C156887
Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819544	7/6/2017	NA	FRANK ENGALLINA	LAGUNA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819546	7/6/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819560	7/6/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819645	7/7/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819646	7/7/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819647	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819649	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819650	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819667	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819668	7/7/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819670	7/7/2017	NA	FRANK ENGALLINA	PRO TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819676	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	819693	7/7/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819709	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	819737	7/7/2017	NA	FRANK ENGALLINA	TWIN PEAK

Please Remit To:
R360-Permian Basin Region
P.O.Box 671798
Dallas, TX 75267-1798
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$47,080.00
NM Sales Tax (6.8125%): \$3,207.32
Total: \$50,287.32

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	2,140.00	yards	\$47,080.00
Sales Tax (NM)	\$3,207.32	1.00	each	\$3,207.32

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FARNK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818362
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

ISUJ9A00T31G

6/30/2017 10:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818363
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

ISUN9A00T311

6/30/2017 6:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818385
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818387
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

ISUJ9A00T390

6/30/2017 1:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818397
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

IGUJ9A00T3DZ

6/30/2017 12:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 39
Card #
Job Ref #

Ticket #: 700-818400
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818410
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

IGUJ9A00T3GB

6/30/2017 2:01



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818419
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T3HS

6/30/2017 10:00 AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818420
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T3HV

6/30/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-818430
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T3JM

6/30/2017 4:41:17



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818444
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

WUJGAC073KY

6/30/2017 11:00



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818446
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

Pablo Martinez

R360 Representative Signature

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 6/30/2017
Hauler: P *SR TKNY*
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818447
Bid #: Walk-in Bid
Date: 6/30/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	N/A						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

ISUJ9A00T3LA

6/30/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: LAGUNA TRUCKING LLC
Driver: LUIS
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818497
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

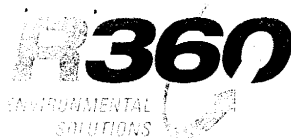
R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-818498
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLISHANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818499
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818500
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

BUJGA00T3TC

7/1/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818501
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):


☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: 

18UJ9A00T3TE

7/1/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: **P.R. Trucking**
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818502
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

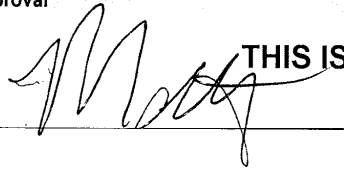
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

Approved By: 

Date: _____

THIS IS NOT AN INVOICE!

0000000000

7/1/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: P, J, R. Trucking
Driver: HAROLD
Truck #: 2
Card #
Job Ref #

Ticket #: 700-818503
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Harold R. Pelt

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: P.J.R. TRUCKING
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818509
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818511
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-818512
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818514
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818515
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: LAGUNA TRUCKING LLC
Driver: LUIS
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818516
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: P
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818524
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818531
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Pablo Mate

Customer Approval

CM

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANAN
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818534
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-818535
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818536
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

00J9A00T3XG

7/1/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: LAGUNA TRUCKING LLC
Driver: LUIS
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818537
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRAN K ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: P J R Trucking
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818545
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818549
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818550
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-818553
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

IGUJ9A00T3YY

7/1/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 04
Card #
Job Ref #

Ticket #: 700-818555
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/1/2017
Hauler: LAGUNA TRUCKING LLC
Driver: LUIS
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818556
Bid #: Walk-in Bid
Date: 7/1/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818826
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818827
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: Luna Trucking
Driver: OSBALDO
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818828
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818833
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 2
Card #
Job Ref #

Ticket #: 700-818834
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818844
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGINLLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818848
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T4VJ

7/3/2017 10:25:00



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: LAGUNA TRUCKING LLC
Driver: OSBALDO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818851
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	16	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

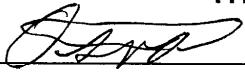
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: _____

t6UJ9A00T4VU

7/3/2017 10:30:00 AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-818858
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: 



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818859
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818883
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T4ZH

7/3/2017 1:40 PM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLNA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818888
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

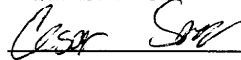
☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

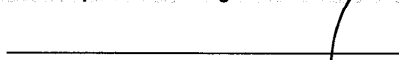
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature





Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: LAGUNA TRUCKING LLC
Driver: OSBALDO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818889
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T4ZQ

7/3/2017 1:50



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: PJR TRUCKING
Driver: MARTY
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818894
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818903
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818931
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the U.S. Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: LAGUNA TRUCKING LLC
Driver: OSBALDO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-818932
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-818933
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: PJR TRUCKING
Driver: MARTIN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-818936
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/3/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-818946
Bid #: Walk-in Bid
Date: 7/3/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819244
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-819246
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T5TC

7/5/2017 10:11:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819249
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16U19A0010TF

7/5/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819253
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819279
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-819280
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Cesar Sosa

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819287
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T62Z

7/5/2017 11:25 AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819290
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819305
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-819306
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:


☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

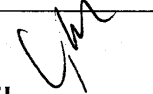
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature





Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CR11430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819307
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A00T66B

7/5/2017 1:43



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819309
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: DOG TRUCKING
Driver: CESAR
Truck #: 4
Card #
Job Ref #

Ticket #: 700-819332
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	N/A					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

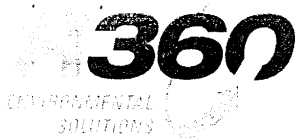
R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819334
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 48 SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819338
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/5/2017
Hauler: 48 SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819340
Bid #: Walk-in Bid
Date: 7/5/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819440
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819441
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819442
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D. as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T6NF

7/6/2017 1:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819443
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819444
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Pablo Mateo

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819445
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-819449
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

0000000000

7/6/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: SWORDS TRUCKING
Driver: HUN
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819465
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

18UJSA00T3UB

7/6/2017 11:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819471
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

10019AC076US

7/6/2017 11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819473
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

150J9A00T800

7/6/2017 11

Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck # 1
Card #
Job Ref #

Ticket #: 700-819477
 Bid #: Walk-in Bid
 Date: 7/6/2017
 Generator: BC OPERATING, INC.
 Generator #:
 Well Ser. #: 37902
 Well Name: ANGELL
 Well #: 1
 Field:
 Field #:
 Rig: NON-DRILLING
 County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature.

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

6UJGAGT6UZ

753011



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NFA
Manif. Date: 7/6/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819478
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T6VL

7/6/2017 10:00 AM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819479
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T6VG

7/6/2017 11:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLISHANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-819486
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819490
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819493
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

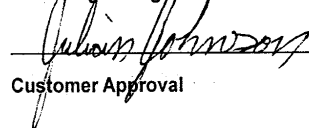
☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

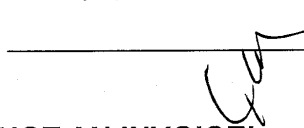
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature


Customer Approval



THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819502
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819503
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:

101J9A00T8Z0

7/6/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819506
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819507
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0			3.00			

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T6ZW

7/6/2017 1:01 PM



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-819509
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00T70D

7/6/2017 11:11:11



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819524
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819530
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ5A00173H

7/6/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLISHIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819539
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLISHIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819540
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819541
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the U.S. Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

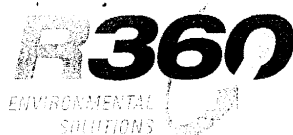
R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLILLANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: LAGUNA TRUCKING LLC
Driver: HUGO
Truck #: 28
Card #
Job Ref #

Ticket #: 700-819544
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJ9A00 F740

7/6/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-819546
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51	0.00	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGLISHIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/6/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819560
Bid #: Walk-in Bid
Date: 7/6/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:


☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

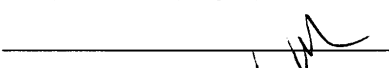
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature


Customer Approval



THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

16UJSA00T75S

7/6/2017



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819645
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-819646
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENIGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819647
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	N/A						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate item(s):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T7FW

7/7/2017 8:11:11



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819649
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity	Units									
Contaminated Soil (RCRA Exempt)	20.00	yards									
Lab Analysis:	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819650
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	N/A						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: 



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819667
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

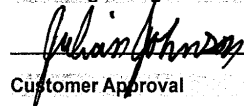
☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature


Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-819668
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate item(s):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: PRO TRUCKING
Driver: JESUS
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819670
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T700

7/7/2017 10:00:00



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: 4B SERVICES LLC
Driver: PETE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-819676
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

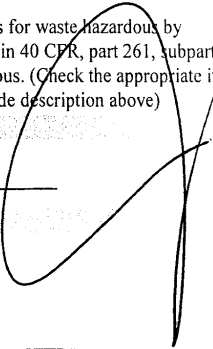
Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: 

Date: 



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-819693
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #:
Job Ref #:

Ticket #: 700-819709
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

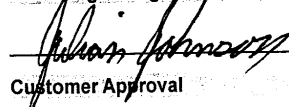
☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature



Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A00T7VO

7/7/2017 2:34:21



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/7/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 1
Card #
Job Ref #

Ticket #: 700-819737
Bid #: Walk-in Bid
Date: 7/7/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A0017ZU

7/7/2017 4:10:11



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/31/2017
Invoice #: C157664

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

MAILED
8-2-17

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821202	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821203	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821212	7/15/2017	NA		FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	821217	7/15/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	821227	7/15/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821231	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821233	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	821234	7/15/2017	NA		FRANK ENGILLANA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	821244	7/15/2017	NA		FRANK ENGILLIANA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821257	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00		\$22.00	\$440.00	821258	7/15/2017	NA		FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821259	7/15/2017	NA		FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00		\$22.00	\$264.00	821266	7/15/2017	NA		FRANK ENGALLINA	SWORDS TRUCKING

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/31/2017
Invoice #: C157664

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	821274	7/15/2017	NA	FRANK ENGALLINA	M MATA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	821275	7/15/2017	NA	FRANK ENGALLINA	M MATA TRUCKING LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821376	7/16/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	821380	7/16/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821382	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821383	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821386	7/16/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821388	7/16/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	821396	7/16/2017	NA	FRANK ENGALLINA	4B SERVICES LLC
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821412	7/16/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821416	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821417	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821427	7/16/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821428	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821429	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821445	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	821446	7/16/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822425	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822437	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822438	7/21/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822465	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822469	7/21/2017	NA	FRANK ENGALLINA	SWORDS TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822475	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	822480	7/21/2017	NA	FRANK ENGALLINA	EL TRAVIEZO TRUCKING
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822489	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	822508	7/21/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823251	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	823279	7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823280	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.
For wire instructions, contact your Account Executive.



R360 Environmental Solutions, LLC
Permian Basin Region

P.O. Box 3452
Hobbs, NM 88241

Invoice

Date: 7/31/2017
Invoice #: C157664

Terms: Due Upon Receipt
Generator: BC OPERATING, INC.
Lease: ANGELL
Well: 1
Rig: NON-DRILLING
PO:
Memo:

Bill To
BC OPERATING, INC.
P.O. Box 50820
Midland, TX 79710

Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823306	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823329	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	823334	7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	823335	7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823338	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	12.00	\$22.00	\$264.00	823369	7/26/2017	NA	FRANK ENGALLINA	TWIN PEAK
Contaminated Soil (RCRA Exempt)	20.00	\$22.00	\$440.00	823389	7/26/2017	NA	FRANK ENGALLINA	PERAZA TRANSPORT

Please Remit To:
R360-Permian Basin Region
P.O.Box 671798
Dallas, TX 75267-1798
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$15,400.00
NM Sales Tax (6.8125%): \$1,049.12
Total: \$16,449.12

Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$22.00	700.00	yards	\$15,400.00
Sales Tax (NM)	\$1,049.12	1.00	each	\$1,049.12



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-821202
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-821203
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: C. Drury

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821212
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: 4B SERVICES LLC
Driver: JORGE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-821217
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards
Lab Analysis:	50/51	0.00 0.00 0.00 0.00 0
	Cell	pH Cl Cond. %Solids TDS PCI/GM MR/HR H2S % Oil Weight

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature _____ R360 Representative Signature _____

Customer Approval _____

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-821227
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature:

R360 Representative Signature:

Customer Approval: _____

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-821231
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12.00	yards
Lab Analysis:	Cell 50/51	pH 0.00
	Cl 0.00	Cond. 0.00
	%Solids 0	TDS
	PCI/GM	MR/HR
	H2S	% Oil
	Weight	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature _____ R360 Representative Signature _____

Customer Approval _____

THIS IS NOT AN INVOICE!

Approved By: C. Drury Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-821233
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

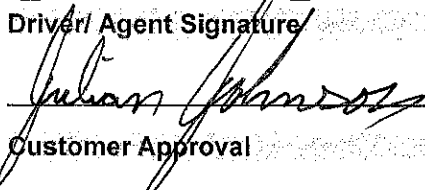
Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

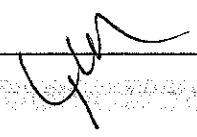
☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature:  _____

Customer Approval: _____

R360 Representative Signature:  _____

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGILLANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821234
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CR11430
Ordered by: FRANK ENGILLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: 4B SERVICES LLC
Driver: JORGE
Truck #: 104
Card #
Job Ref #

Ticket #: 700-821244
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-821257
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Clark Denny

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 104
Card #
Job Ref #

Ticket #: 700-821258
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-821259
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821266
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLIANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: M MATA TRUCKING LLC
Driver: ADRIAN
Truck #: 151
Card #
Job Ref #

Ticket #: 700-821274
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Adrian 6

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALL; IANA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/15/2017
Hauler: M MATA TRUCKING LLC
Driver: HECTOR
Truck #: 150
Card #
Job Ref #

Ticket #: 700-821275
Bid #: Walk-in Bid
Date: 7/15/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821376
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-821380
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL
Truck #: 10
Card #
Job Ref #

Ticket #: 700-821382
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL
Truck #: 11
Card #
Job Ref #

Ticket #: 700-821383
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service		Quantity Units	
Contaminated Soil (RCRA Exempt)		12.00 yards	
		Cell	pH
		Cl	Cond.
		%Solids	TDS
		PCI/GM	MR/HR
		H2S	% Oil
		Weight	
Lab Analysis:		50	0.00
		0.00	0.00
		0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINNA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 103
Card #
Job Ref #

Ticket #: 700-821386
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

Clinton Dancy

Date:



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821388
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: 4B SERVICES LLC
Driver: PABLO
Truck #: 105
Card #
Job Ref #

Ticket #: 700-821396
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						20.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821412
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL SR
Truck #: 10
Card #
Job Ref #

Ticket #: 700-821416
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous: (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL JR
Truck #: 9
Card #
Job Ref #

Ticket #: 700-821417
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service		Quantity Units									
Contaminated Soil (RCRA Exempt)		12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
- ☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 760
Card #
Job Ref #

Ticket #: 700-821427
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL JR
Truck #: 11
Card #
Job Ref #

Ticket #: 700-821428
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL SR
Truck #: 10
Card #
Job Ref #

Ticket #: 700-821429
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Tom A. Peraza

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL SR
Truck #: 10
Card #
Job Ref #

Ticket #: 700-821445
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/16/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL JR
Truck #: 11
Card #
Job Ref #

Ticket #: 700-821446
Bid #: Walk-in Bid
Date: 7/16/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-822425
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Clinton Derry

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-822437
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 980
Card #
Job Ref #

Ticket #: 700-822438
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-822465
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: C. Dewey

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: SWORDS TRUCKING
Driver: JIM
Truck #: 980
Card #
Job Ref #

Ticket #: 700-822469
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-822475
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: EL TRAVIEZO TRUCKING
Driver: JESUS
Truck #: 01
Card #
Job Ref #

Ticket #: 700-822480
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-822489
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: E. Denny

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/21/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-822508
Bid #: Walk-in Bid
Date: 7/21/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-823251
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0			3.00			

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL
Truck #: 2
Card #
Job Ref #

Ticket #: 700-823279
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-823280
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-823306
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

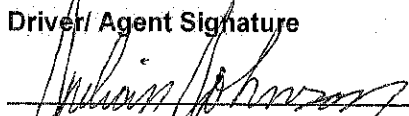
Generator Certification Statement of Waste Status

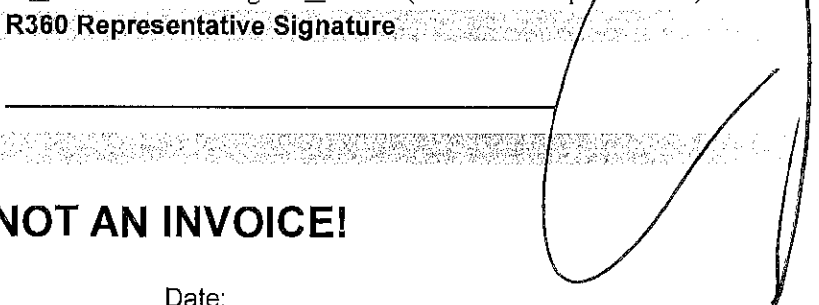
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature


R360 Representative Signature


Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: CLINTON
Truck #: 102
Card #
Job Ref #

Ticket #: 700-823329
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: C. D. King

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL
Truck #: 7
Card #
Job Ref #

Ticket #: 700-823334
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL JR
Truck #: 2
Card #
Job Ref #

Ticket #: 700-823335
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-823338
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: TWIN PEAK
Driver: JULIAN
Truck #: 203
Card #
Job Ref #

Ticket #: 700-823369
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50/51	0.00	0.00	0.00	N/A					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
- ☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____



Customer: BC OPERATING, INC.
Customer #: CRI1430
Ordered by: FRANK ENGALLINA
AFE #:
PO #:
Manifest #: NA
Manif. Date: 7/26/2017
Hauler: PERAZA TRANSPORT
Driver: ANGEL JR
Truck #: 2
Card #
Job Ref #

Ticket #: 700-823389
Bid #: Walk-in Bid
Date: 7/26/2017
Generator: BC OPERATING, INC.
Generator #:
Well Ser. #: 37902
Well Name: ANGELL
Well #: 1
Field:
Field #:
Rig: NON-DRILLING
County: LEA (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____