APPROVED
By Olivia Yu at 9:33 am, Apr 27, 2017

NMOCD approves 1RP-3947 for closure.

March 20, 2017

Mrs. Olivia Yu
NMOCD District 1
1625 N. French Drive
Hobbs, NM 88240

RE: Remediation and Closure Report
RP# 3947 State EX #2 SWD
API # 30-025-29440

Dear Mrs. Yu,

Dakota Resources, Inc. respectfully submits this closure report detailing the attempted in situ bio remediation, removal, and disposal of the impacted media contained inside the lined fire wall at the State EX #2 SWD in Lea Counyt, NM.

C-141 Initial Release Notification Date

October 29, 2015

Narrative Description of Events

The State EX #2 SWD is located in Section 9, T17S, R37E in Lea County, NM. On October 29th, 2015, a release of skim oil and produced water was discovered inside the 40 mm polyethylene lined tank battery of the State EX #2 SWD. Root cause analysis revealed that an 8" connection line between the 2 unloading tanks had failed and released approximately 5 bbls of skim oil and produced fluids inside the lined tank battery. The leak was fixed, and there were no free liquids that could be picked up at the time of discovery.

Origin Bio Solutions was contracted to submit a work plan for OCD approval and to conduct in situ bio-remediation of the impacted media that was inside of the lined tank battery. The impacted media consisted of the pea gravel that was used as a pad for the tankage, and blow sand that had collected in the lined battery. A scaled aerial map is included in the work plan submitted by Origin Bio Solutions, as well as a site map detailing sample locations.

The bio remediation failed to reduce the impacted media to the Site Specified Recommended Remediation Action Levels.

It was then determined that the optimal remediation solution would be to remove the impacted media with roustabout crews to maintain the integrity of the liner, and transport the material to a NMOCD approved solid waste facility.

The material was hand excavated, and on September 27th, approximately 12 cubic yards of impacted material was transported to Sundance Services, Inc. in Eunice, NM for disposal. The liner was visually inspected for compromises, and none were discovered.

Therefore, Dakota Resources, Inc. respectfully requests that no further action be required and that closure with regard to this release be granted.

If we can provide additional information or be of further assistance, please contact our office at 432-697-3420.

Regards,

James Thompson
VP of Land and Business Development

SUPPORTING DOCUMENTATION AND EXHIBITS

A. *Initial C-141 Release Notification and Corrective Action*
B. *Origin Bio Solutions Remediation Plan*
    a. *Site maps*
    b. *Sampling locations*
C. *Analytical Report Prior to Bio-Remediation Xenco Labaratories*
D. *Analytical Report Subsequent to Bio Remediation PBELAB, LP*
E. *Sundance Service, Inc. Disposal Field Ticket*
F. *Sundance Service, Inc. Invoice*
G. *Subsequent C-141 Release Notification and Corrective Action*

EXHIBIT A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Dakota Resources Inc	Contact: Joe Bob Jones
Address: 4914 N Midkiff Midland TX	Telephone No. 432 697 3420
Facility Name: Midway SWD or New Mexico EX St #2	Facility Type: SWD Battery

Surface Owner:	Mineral Owner:	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	9	17S	37E	330	N	1980	E	Lea

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Tank leak within plastic lined burmed facility	Volume of Release 5 bbls	Volume Recovered 0 bbls
Source of Release 8'' connection between steel unload tanks	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. 0	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
By Kellie Jones at 12:58 pm, Oct 29, 2015

Describe Cause of Problem and Remedial Action Taken.*
An 8'' connection line between the two 'unload' tanks was the original cause of the leak. The leak has been fixed.

Describe Area Affected and Cleanup Action Taken.*

The tanks will be emptied and cleaned. Then Origin Solutions will apply hydrocarbon consuming microbes and pressure wash facility. After 48 hrs an additional application of microbes will be made. After 7-10 days the affected area will be tested to confirm hydrocarbons were removed and then the facility within the burm will be resurfaced.

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

Signature: Joe Bob Jones	OIL CONSERVATION DIVISION	
Printed Name: Joe Bob Jones	Approved by District Supervisor: Kelly Jones	
Title: Operations Manager	Approval Date: 10/29/2015	Expiration Date: 12/29/2015
E-mail Address: jbj@dakotares.com	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCD guides. Geotag photographs of remediation required.	Attached ☐ 1RP-3947
Date: 10/29/2015 Phone:432 697 3420		

* Attach Additional Sheets If Necessary

nKJ1530247171
pKJ1530247355

EXHIBIT B

ORIGIN
BIO SOLUTIONS
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REVIEWED
By Kellie Jones at 11:42 am, Oct 30, 2015

APPROVED
By Kellie Jones at 11:44 am, Oct 30, 2015

October 30, 2015

Ms. Kellie Jones
Environmental Specialist, District 1
Oil Conservation Division, EMNRD
1625 N. French Drive
Hobbs, NM 88240

Dear Ms. Jones:

Re: Work Plan
New Mexico EX State #2
RP# 3947
Unit B, Section 9, Township 17S, Range 37E
Latitude: 32.856153, Longitude: 103.254374
Lea County, New Mexico

On behalf of Dakota Resources, Inc., Origin Bio Solutions, LLC is pleased to present this work plan to the New Mexico Conservation Division (NMOCD). This work plan presents our proposed approach to restoration activities for a historic connection line release that occurred at the above referenced well site location.

1.0 Project Information

The New Mexico EX State #2 site (hereafter referred to as the "Site"), is an active well location situated approximately 5 miles north of Hobbs on Highway 18, right on Stiles Road approximately 2 miles in Lea County, New Mexico (see Figure 1). It is located in Unit B, Section 9, Township 17 South, and Range 37 East. According to Dakota Resources, Inc. a release of approximately 5 barrels of oil occurred to an 8 foot connection line between two unload tanks. The release occurred onto a 40 mil liner and was contained within the berm walls and inside the liner. Upon discovery, the leak was fixed. There were no recoverable fluids. A C-141 was submitted to the NMOCD and remediation permit number 3947 was assigned.

Origin Bio Solutions, LLC sent a field technician to the Site to perform initial soil samples and determine the horizontal and vertical extent of the release. Two soil

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info@originbiosolutions.com

samples were collected from depths of 4 inches below ground surface. Samples were sent to XENCO Laboratories in Midland, TX for the analysis of benzene, toluene, ethyl benzene, and xylenes (BTEX), total petroleum hydrocarbons (THP), and chloride. Analytical Results are pending laboratory analysis.

Based on information available from the USGS, the depth to groundwater at the Site is most likely between 58 and 61 feet below ground surface. Therefore, the preliminary ranking score is 10.

Based on this score, the Site-specified Recommended Remediation Action Levels to be applied by the NMOCSD are 10 milligrams per kilogram (mg/kg) for benzene; 50 mg/kg for total BTEX; 1,000 mg/kg for TPH and 250 mg/kg for chlorides.

2.0 Scope of Work

The scope of work for this project will involve the bioremediation of the impacted soil to be delivered in four phases.

Phase 1
The first phase of the remediation consists of the following:

- Removal of debris and oil residue by pressure washing tanks, pipe and interior of containment walls to remediate all hydrocarbons in the affected area. The affected berm wall has been estimated to be approximately 173 feet by 64 feet.
- Hydration of contaminated area and the application of microbes.

Phase 2
The second phase of the remediation consists of the following:

Remediation process requires a 48 hour time frame for microbes to consume hydrocarbons.

- Following a 48 hour period an activator is applied to affected area and rehydrated. Additionally, a period of 7-10 days is allowed for the microbes to remediate the area to required levels.

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Phase 3
The third phase of the remediation consists of the following:

- Remaining carbons are removed by pressure washing remediated area.
- Begin resurface area inside the containment walls by applying a layer of crushed based material (rock based).

Phase 4
The fourth phase of the remediation consists of the following:

- Complete resurfacing to affected area and final clean-up of all debris and excess material.
- Final soil sampling will be taken to ensure Recommended Remediation Action Levels.

Reporting
Upon approval and completion of the above plan a brief letter report will be prepared by Origin Bio Solutions. It will include a scaled site plan showing the location of the remediated area and other site features, summary of the field investigation and laboratory results, and recommendations for any additional remediation or no further action.

If you have any questions or comments regarding this Work Plan, please do not hesitate to contact Tracy Kuzmich at jt@originbiosolutions.com or 432.215.6708. Thank you for your time and consideration.

Regards,

Tracy Kuzmich
Operations Manager

Enclosures:
Figure 1 Area Map
Figure 2 Site Location Map of Sampling

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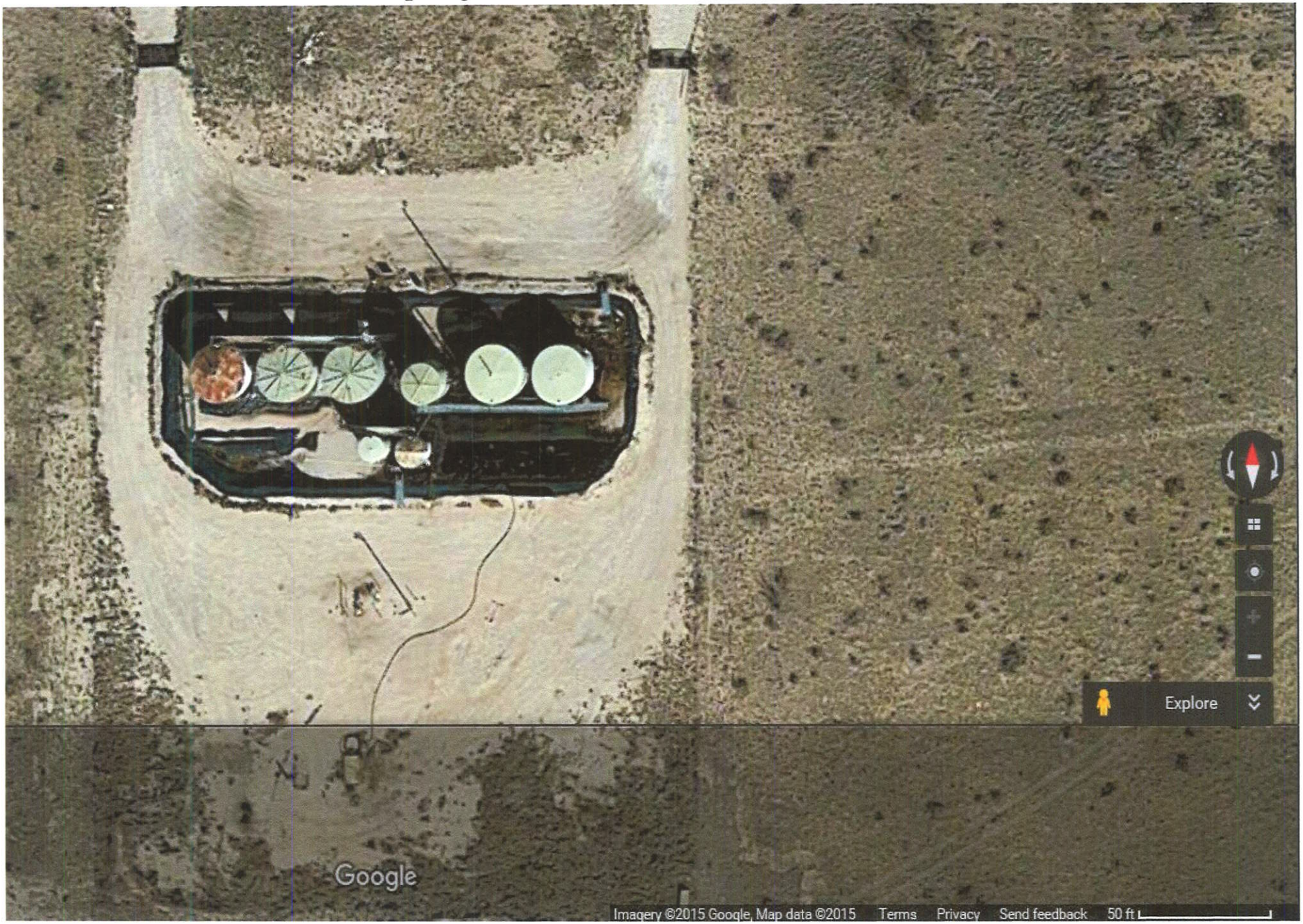
Area Map - Figure 1



Site Map - Samples Taken (S-1 and S-2)

Figure 2

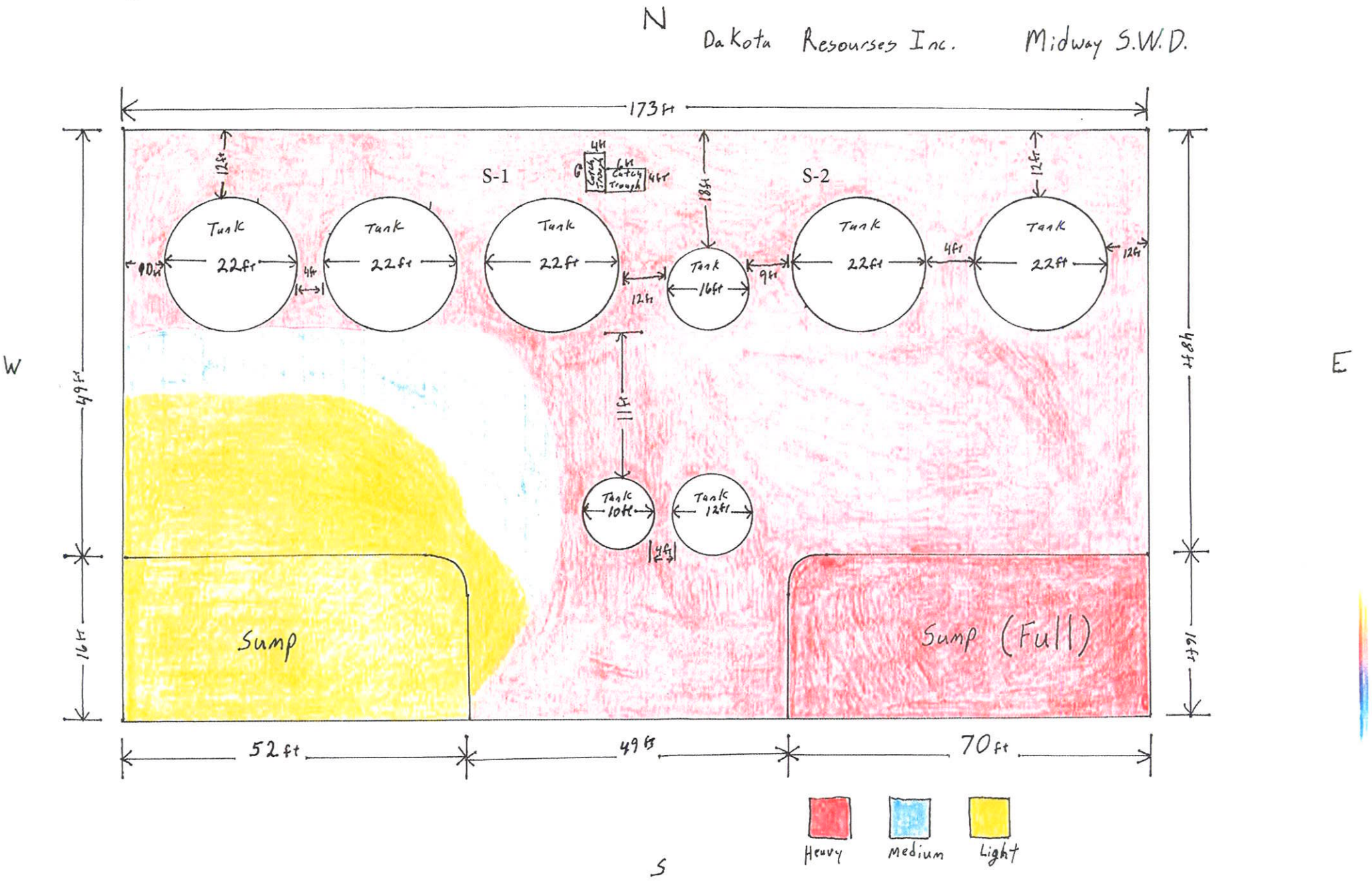


EXHIBIT C

Analytical Report 520358

for

Origin Bio Solutions

Project Manager: JT

Dakota Resources Midway SWD

10-DEC-15

Collected By: Client

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

10-DEC-15

Project Manager: **JT**
Origin Bio Solutions
P.O Box 5098
Midland, TX 79701

Reference: XENCO Report No(s): **520358**
Dakota Resources Midway SWD
Project Address: Hobbs, NM

JT :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 520358. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 520358 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 520358

Origin Bio Solutions, Midland, TX

Dakota Resources Midway SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Dakota Resources SWD #53	S	12-01-15 11:00		520358-001
Dakota Resources SWD #54	S	12-01-15 11:00		520358-002
Dakota Resources SWD #55	S	12-01-15 11:00		520358-003
Dakota Resources SWD #56	S	12-01-15 11:00		520358-004

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 520358

Origin Bio Solutions, Midland, TX

Project Name: Dakota Resources Midway SWD

Project Id:
Contact: JT
Project Location: Hobbs, NM

Date Received in Lab: Wed Dec-02-15 09:55 am
Report Date: 10-DEC-15
Project Manager: Kelsey Brooks

Analysis Requested												
	Lab Id:	520358-001		520358-002		520358-003		520358-004				
	Field Id:	Dakota Resources SWD #53		Dakota Resources SWD #54		Dakota Resources SWD #55		Dakota Resources SWD #56				
	Depth:											
	Matrix:	SOIL		SOIL		SOIL		SOIL				
	Sampled:	Dec-01-15 11:00		Dec-01-15 11:00		Dec-01-15 11:00		Dec-01-15 11:00				
BTEX by EPA 8021B	*Extracted:*	Dec-03-15 13:00		Dec-03-15 13:00		Dec-03-15 13:00		Dec-03-15 13:00				
	Analyzed:	Dec-04-15 11:13		Dec-04-15 12:02		Dec-04-15 09:00		Dec-03-15 17:19				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		0.00108	0.00100	0.00211	0.00100	ND	0.000992	ND	0.000998			
Toluene		0.00257	0.00201	0.0104	0.00200	ND	0.00198	0.00453	0.00200			
Ethylbenzene		0.00103	0.00100	0.00190	0.00100	ND	0.000992	ND	0.000998			
m_p-Xylenes		0.00586	0.00201	0.0104	0.00200	0.00974	0.00198	0.0275	0.00200			
o-Xylene		0.00453	0.00100	0.00425	0.00100	0.00559	0.000992	0.0213	0.000998			
Total Xylenes		0.0104	0.00100	0.0147	0.00100	0.0153	0.000992	0.0488	0.000998			
Total BTEX		0.0151	0.00100	0.0291	0.00100	0.0153	0.000992	0.0533	0.000998			
Inorganic Anions by EPA 300/300.1 SUB: TX104704215	*Extracted:*	Dec-07-15 13:17		Dec-07-15 13:17		Dec-07-15 13:17		Dec-07-15 13:17				
	Analyzed:	Dec-08-15 00:16		Dec-08-15 01:55		Dec-08-15 02:44		Dec-08-15 03:17				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		85.4	9.88	152	9.77	332	49.1	385	49.6			
TPH by Texas1005	*Extracted:*	Dec-04-15 17:00		Dec-04-15 17:00		Dec-04-15 17:00		Dec-04-15 17:00				
	Analyzed:	Dec-05-15 21:50		Dec-05-15 22:17		Dec-05-15 22:44		Dec-05-15 23:11				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL			
C6-C12 Gasoline Range Hydrocarbons		259	250	ND	249	301	249	295	250			
C12-C28 Diesel Range Hydrocarbons		19600	250	20700	249	25300	249	15000	250			
C28-C35 Oil Range Hydrocarbons		ND	250	ND	249	ND	249	ND	250			
Total TPH 1005		19900	250	20700	249	25600	249	15300	250			

Kelsey Brooks
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Dakota Resources Midway SWD

Work Orders : 520358,

Project ID:

Lab Batch #: 982738 **Sample:** 520358-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/03/15 17:19

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	80-120	

Lab Batch #: 982738 **Sample:** 520358-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/15 09:00

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0346	0.0300	115	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 982738 **Sample:** 520358-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/15 11:13

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0359	0.0300	120	80-120	
4-Bromofluorobenzene	0.0242	0.0300	81	80-120	

Lab Batch #: 982738 **Sample:** 520358-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/04/15 12:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0358	0.0300	119	80-120	
4-Bromofluorobenzene	0.0251	0.0300	84	80-120	

Lab Batch #: 982955 **Sample:** 520358-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/05/15 21:50

SURROGATE RECOVERY STUDY

TPH by Texas1005

Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	99.9	132	70-135	
o-Terphenyl	53.1	50.0	106	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Dakota Resources Midway SWD

Work Orders : 520358,

Project ID:

Lab Batch #: 982955 **Sample:** 520358-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/05/15 22:17

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	130	99.6	131	70-135	
o-Terphenyl	52.2	49.8	105	70-130	

Lab Batch #: 982955 **Sample:** 520358-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/05/15 22:44

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	99.7	118	70-135	
o-Terphenyl	60.4	49.9	121	70-130	

Lab Batch #: 982955 **Sample:** 520358-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/05/15 23:11

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	135	99.9	135	70-135	
o-Terphenyl	38.6	50.0	77	70-130	

Lab Batch #: 982738 **Sample:** 701722-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/03/15 15:37

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	80-120	
4-Bromofluorobenzene	0.0293	0.0300	98	80-120	

Lab Batch #: 982955 **Sample:** 701851-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/05/15 17:55

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	118	100	118	70-135	
o-Terphenyl	54.7	50.0	109	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Dakota Resources Midway SWD

Work Orders : 520358, **Project ID:**

Lab Batch #: 982738 **Sample:** 701722-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/03/15 14:47 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 982955 **Sample:** 701851-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/05/15 18:20 **SURROGATE RECOVERY STUDY**

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	63.4	50.0	127	70-130	

Lab Batch #: 982738 **Sample:** 701722-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/03/15 15:03 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

Lab Batch #: 982955 **Sample:** 701851-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg **Date Analyzed:** 12/05/15 18:44 **SURROGATE RECOVERY STUDY**

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.2	100	98	70-135	
o-Terphenyl	50.8	50.0	102	70-130	

Lab Batch #: 982738 **Sample:** 520258-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/03/15 17:36 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0351	0.0300	117	80-120	
4-Bromofluorobenzene	0.0240	0.0300	80	80-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Dakota Resources Midway SWD

Work Orders : 520358,

Project ID:

Lab Batch #: 982955 **Sample:** 520455-004 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/15 17:03

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	111	99.8	111	70-135	
o-Terphenyl	53.7	49.9	108	70-130	

Lab Batch #: 982738 **Sample:** 520258-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/03/15 17:52

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0355	0.0300	118	80-120	
4-Bromofluorobenzene	0.0258	0.0300	86	80-120	

Lab Batch #: 982955 **Sample:** 520455-004 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg **Date Analyzed:** 12/07/15 17:25

SURROGATE RECOVERY STUDY

TPH by Texas1005 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	113	99.7	113	70-135	
o-Terphenyl	54.2	49.9	109	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Dakota Resources Midway SWD

Work Order #: 520358 **Project ID:**

Analyst: SYG **Date Prepared:** 12/03/2015 **Date Analyzed:** 12/03/2015

Lab Batch ID: 982738 **Sample:** 701722-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00100	0.100	0.0807	81	0.100	0.0834	83	3	70-130	35	
Toluene	<0.00200	0.100	0.0849	85	0.100	0.0885	89	4	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0933	93	0.100	0.0983	98	5	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.193	97	0.200	0.203	102	5	70-135	35	
o-Xylene	<0.00100	0.100	0.0912	91	0.100	0.0967	97	6	71-133	35	

Analyst: DEP **Date Prepared:** 12/07/2015 **Date Analyzed:** 12/07/2015

Lab Batch ID: 982908 **Sample:** 701819-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<10.0	100	102	102	100	103	103	1	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Dakota Resources Midway SWD

Work Order #: 520358 **Project ID:**

Analyst: PJB **Date Prepared:** 12/04/2015 **Date Analyzed:** 12/05/2015

Lab Batch ID: 982955 **Sample:** 701851-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by Texas1005 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	930	1000	930	93	1000	761	76	20	70-135	35	
C12-C28 Diesel Range Hydrocarbons	1110	1000	1110	111	1000	1030	103	7	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Dakota Resources Midway SWD

Work Order # : 520358 **Project ID:**

Lab Batch ID: 982738 **QC- Sample ID:** 520258-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/03/2015 **Date Prepared:** 12/03/2015 **Analyst:** SYG

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00101	0.101	0.0302	30	0.100	0.0326	33	8	70-130	35	X
Toluene	<0.00202	0.101	0.0187	19	0.100	0.0205	21	9	70-130	35	X
Ethylbenzene	<0.00101	0.101	0.0165	16	0.100	0.0172	17	4	71-129	35	X
m_p-Xylenes	<0.00202	0.202	0.0275	14	0.201	0.0279	14	1	70-135	35	X
o-Xylene	<0.00101	0.101	0.0171	17	0.100	0.0163	16	5	71-133	35	X

Lab Batch ID: 982908 **QC- Sample ID:** 520358-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/08/2015 **Date Prepared:** 12/07/2015 **Analyst:** DEP

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	85.4	98.8	188	104	98.8	188	104	0	80-120	20	

Lab Batch ID: 982955 **QC- Sample ID:** 520455-004 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 12/07/2015 **Date Prepared:** 12/04/2015 **Analyst:** PJB

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by Texas1005 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<25.0	998	832	83	997	795	80	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<25.0	998	956	96	997	969	97	1	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative. EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

CHAIN OF CUSTODY

Page ___ Of ___

XENCO LABORATORIES

Setting the Standard since 1990

Stafford, Texas (281-240-4200)

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Lakeland, Florida (863-646-8526)

Tampa, Florida (813-620-2000)

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Xenco Quote #

Xenco Job # 520358

Client / Reporting Information

Company Name / Branch: Origin Bio Solution

Company Address: 1308 S. Midkiff #229 432-570-4981

Email: JTOrigin Bio Solution.com

Phone No:

Project Contact: TRACY KUZMICH

Samplers's Name: Vance Khampanya

Project Information

Project Name/Number: DAKota Resources Midway SWD

Project Location: Hobbs, N.M

Invoice To:

PO Number:

Analytical Information

Matrix Codes

A= Air
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
WW= Waste Water
W = Wipe
O = Oil

WW= Waste Water

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Btex	TPH	Chlorides	Field Comments
1	DAKota Resources SWD #53		12/1/15	11:00 AM											X	X	X	
2	DaKota Resources SWD #54		12/1/15															
3	DAKota Resources SWD #55		12/1/15															
4	DAKota Resources SWD #56		12/1/15															
5																		
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [ ] Same Day TAT
- [x] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 3:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1			1	2	12/2 9:55	2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice: X

Cooler Temp. 6°C

Thermo. Corr. Factor

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratories and its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated under a fully executed client agreement.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: Origin Bio Solutions

Date/ Time Received: 12/02/2015 09:55:00 AM

Work Order #: 520358

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Carley Owens — Date: 12/02/2015
Carley Owens

Checklist reviewed by: Kelsey Brooks — Date: 12/02/2015
Kelsey Brooks

EXHIBIT D

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Coty Woolf
Charger Services
P.O. Box 53070
Midland, TX 79710

Project: Dakota Resources
Project Number: [none]
Location:

Lab Order Number: 5L17001

NELAP/TCEQ # T104704156-13-3

Report Date: 12/18/15

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1 0-4"	5L17001-01	Soil	12/15/15 00:00	12-16-2015 17:30
SS-2 0-4"	5L17001-02	Soil	12/15/15 00:00	12-16-2015 17:30
SS-3 0-4"	5L17001-03	Soil	12/15/15 00:00	12-16-2015 17:30
SS-4 0-4"	5L17001-04	Soil	12/15/15 00:00	12-16-2015 17:30
SS-5 0-4"	5L17001-05	Soil	12/15/15 00:00	12-16-2015 17:30
SS-6 0-4"	5L17001-06	Soil	12/15/15 00:00	12-16-2015 17:30
SS-7 0-4"	5L17001-07	Soil	12/15/15 00:00	12-16-2015 17:30
SS-8 0-4"	5L17001-08	Soil	12/15/15 00:00	12-16-2015 17:30
SS-9 (Split Composite)	5L17001-09	Soil	12/15/15 00:00	12-16-2015 17:30

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-2 0-4"

5L17001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**194**	1.12	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**36300**	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**6890**	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**43200**	562	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-1 0-4"

5L17001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**355**	1.04	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	521	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**39900**	521	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**15300**	521	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**55200**	521	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-3 0-4"

5L17001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1380**	5.81	mg/kg dry	5	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**644**	581	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**51600**	581	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**8970**	581	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*89.6 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**61200**	581	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-5 0-4"

5L17001-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1580**	5.68	mg/kg dry	5	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**652**	568	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**74100**	568	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**12200**	568	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**86900**	568	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-4 0-4"

5L17001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1050**	1.12	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**952**	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**55100**	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**9630**	562	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.0 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**65700**	562	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-7 0-4"

5L17001-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1030**	1.09	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	136	mg/kg dry	5	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**5810**	136	mg/kg dry	5	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**1090**	136	mg/kg dry	5	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*60.3 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**6900**	136	mg/kg dry	5	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-6 0-4"

5L17001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**319**	1.25	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**20.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**3130**	625	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**90900**	625	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**15500**	625	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**110000**	625	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-8 0-4"

5L17001-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**378**	1.08	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	538	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**33600**	538	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**6610**	538	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*51.6 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**40200**	538	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services	Project: Dakota Resources	Fax: (432) 695-6247
P.O. Box 53070	Project Number: [none]	
Midland TX, 79710	Project Manager: Coty Woolf	

SS-9 (Split Composite)

5L17001-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**949**	1.45	mg/kg dry	1	P5L1804	12/18/15	12/18/15	EPA 300.0	
% Moisture	**31.0**	0.1	%	1	P5L1801	12/18/15	12/18/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**23500**	725	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C12-C28	**411000**	725	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
>C28-C35	**56800**	725	mg/kg dry	20	P5L1802	12/17/15	12/18/15	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P5L1802*	*12/17/15*	*12/18/15*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**491000**	725	mg/kg dry	20	[CALC]	12/17/15	12/18/15	calc	

Charger Services
P.O. Box 53070
Midland TX, 79710

Project: Dakota Resources
Project Number: [none]
Project Manager: Coty Woolf

Fax: (432) 695-6247

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5L1801 - % Solids										
Blank (P5L1801-BLK1)				Prepared & Analyzed: 12/18/15						
% Moisture	ND	0.1	%							
Duplicate (P5L1801-DUP1)	Source: 5L16010-01			Prepared & Analyzed: 12/18/15						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P5L1804 - * DEFAULT PREP *** **										
Blank (P5L1804-BLK1)				Prepared & Analyzed: 12/18/15						
Chloride	ND	1.00	mg/kg wet							
LCS (P5L1804-BS1)				Prepared & Analyzed: 12/18/15						
Chloride	265	1.00	mg/kg wet	250		106	80-120			
LCS Dup (P5L1804-BSD1)				Prepared & Analyzed: 12/18/15						
Chloride	267	1.00	mg/kg wet	250		107	80-120	0.676	20	
Duplicate (P5L1804-DUP1)	Source: 5L17001-01			Prepared & Analyzed: 12/18/15						
Chloride	354	1.04	mg/kg dry		355			0.420	20	
Duplicate (P5L1804-DUP2)	Source: 5L16017-02			Prepared & Analyzed: 12/18/15						
Chloride	303	1.10	mg/kg dry		300			1.09	20	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5L1802 - TX 1005										
Blank (P5L1802-BLK1)				Prepared & Analyzed: 12/17/15						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*102*		"	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*57.1*		"	*50.0*		*114*	*70-130*			
LCS (P5L1802-BS1)				Prepared & Analyzed: 12/17/15						
C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1060	25.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	*120*		"	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*53.3*		"	*50.0*		*107*	*70-130*			
LCS Dup (P5L1802-BSD1)				Prepared & Analyzed: 12/17/15						
C6-C12	989	25.0	mg/kg wet	1000		98.9	75-125	6.12	20	
>C12-C28	984	25.0	"	1000		98.4	75-125	7.62	20	
Surrogate: 1-Chlorooctane	*112*		"	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*49.4*		"	*50.0*		*98.7*	*70-130*			

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/18/2015

Brent Barron, Laboratory Director/Technical Director

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-686-7235

Project Manager: Coty Walk
Company Name: Charger Services
Company Address:
City/State/Zip:
Telephone No:
Fax No:
Sampler Signature:
e-mail: Coty.Walk@Chargerservices.com

Project Name: Dakota Resources
Project #:
Project Loc:
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 581700I

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: GW=Groundwater S=Soil/Solid	WW=Wastewater (Specify Other)	Analyze For: TCLP: TPH: 418.1 / 8015M / 8015B	TPH: TX1005 TX1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or 8TEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
01	SS-1	0'	4'	12/15/15			1	X										X			X								X	
02	SS-2																	X												
03	SS-3																													
04	SS-4																													
05	SS-5																													
06	SS-6																													
07	SS-7																													
08	SS-8																													
09	SS-9 (Soil Composite)	Pile	Pile	↓			↓	↓										↓			↓								↓	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	12/16/15	5:30 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				12/16/15	1730

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s)? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s)? Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: °C
Adjusted: 1.0 °C Factor NCF 21

EXHIBIT E

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 396264

LEASE OPERATOR/SHIPPER/COMPANY: Dakota Resources

LEASE NAME: Midway SWD

TIME: 4:20 AM (PM)

TRANSPORTER COMPANY: SDR

GENERATOR COMPANY MAN'S NAME: Cory Wolff

DATE: 9-27-16 VEHICLE NO: 007

CHARGE TO: Dakota Resources

RIG NAME AND NUMBER: 325-669-5735

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or (API #) 30-025-29440 C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ ; [X] YARD 12 ; [ ] _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: Isaac Garcia H. (SIGNATURE)

FACILITY REPRESENTATIVE: J. DeCruz (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

EXHIBIT F

Sundance Services, Inc.

P. O. Box 1737
Eunice, NM 88231

Invoice

DATE	INVOICE #
9/27/2016	101453

PAID 09/27/2016

BILL TO
Dakota Resources

PROJECT	TERMS

QUANTITY	DESCRIPTION	RATE	AMOUNT
12	Contaminated Soils - Exempt	25.00	300.00T
1	CC Charges	7.34	7.34
	Sales Tax	7.3125%	21.94

Phone #	E-mail		
575-394-2511	acarrillo@sundanceservices.com	**Total**	$329.28

EXHIBIT G

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	DAKOTA RESOURCES, INC	Contact	JAMES THOMPSON
Address	4914 N MIDKIFF MIDLAND, TX 79705	Telephone No.	432-697-3420
Facility Name	MIDWAY SWD OR NEW MEXICO EX ST #2	Facility Type	SWD BATTERY

Surface Owner	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	9	17S	37E	330	N	1980	E	LEA

Latitude 32.855997 **Longitude** -103.254382

NATURE OF RELEASE

Type of Release: TANK LEAK WITHIN LINED BATTERY	Volume of Release: 5 BBLS	Volume Recovered: 0
Source of Release: 8" CONNECTION BETWEEN STEEL TANKS	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

APPROVED
By Olivia Yu at 9:35 am, Apr 27, 2017

Describe Cause of Problem and Remedial Action Taken.*
An 8" connection line between the 2 unloading tanks failed and caused the leak. The entire contents of the release was contained within the lined battery. Initial in situ bioremediation was proposed and approved. Bioremediation failed. Impacted blow sand/peagravel material was sampled, removed, and disposed of at Sundance, LLC. Liner integrity was confirmed by visual inspection, berm resurfaced.

Describe Area Affected and Cleanup Action Taken.*
The area affected was inside of the lined tank battery. The impacted media was blow sand and pea gravel. Bio remediation was attempted and failed.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: James Thompson	Approved by Environmental Specialist:
Title: VP of Land and Business Development	Approval Date: 4/27/2017 Expiration Date: xx/xx/xxxx
E-mail Address: jamest@dakotares.com	Conditions of Approval: Attached ☐
Date: 3/20/17 Phone: 432-697-3420	

* Attach Additional Sheets If Necessary