

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	Fasken Oil & Ranch, Ltd.	Contact	Jimmy Carlile
Address	303 W. Wall Ave., Ste. 1800 Midland, TX 79701-5116	Telephone No.	(432)687-1777
Facility Name	Denton SWD Historical Site #4	Facility Type	Salt Water Disposal

Surface Owner	Darr Angell	Mineral Owner	Private	Lease No.	
---------------	-------------	---------------	---------	-----------	--

**LOCATION OF RELEASE** API # 20-025-05483  
38° 0' 25" N 103° 06' 00" W

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	11	15S	37E					Eddy

**Latitude** 33.0309° North

**Longitude** 103.1692° West

**NATURE OF RELEASE**

Type of Release	Produced water	Volume of Release	Unknown	Volume Recovered	Unknown
Source of Release	SWD Trunk Line	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	Yes No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Date and Hour 7/31/2009, Time unknown				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

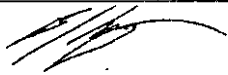
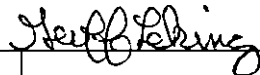
Describe Cause of Problem and Remedial Action Taken:

In July 2009, Fasken discovered a historical release along the Denton Salt Water Disposal (SWD) flowline. The release was attributed to failure of a section of an old steel flowline, which had been replaced with a fiberglass line several years prior to the discovery of the release. Failure of the steel flowline resulted in the release of an unknown volume of produced water. Following vertical delineation, the historical release was reported to the NMOCD Hobbs District Office on July 31, 2009, in a remediation plan entitled *Proposed Cleanup of Historical Salt Water Spill Sites*.

Describe Area Affected and Cleanup Action Taken.

The release affected areas of pastureland measuring approximately 134' x 12' and 210' x 50'. The release was remediated as per NMOCD approval. Please reference the attached *Remediation Summary & Risk-Based Site Closure Request* for remediation details.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Ben J. Arguijo (Agent on behalf of Fasken O&R, Ltd)	Approved by <u>ENV SPEC</u> District Supervisor: 	
Title: Project Manager, Basin Environmental	Approval Date: <u>4/17/12</u>	Expiration Date: <u>-</u>
E-mail Address: bjarguijo@basinenv.com	Conditions of Approval: <u>REFER TO</u> <u>CAUTION IN SECT. 3.0 - SUMMARY</u> <u>OF SOIL REMEDIATION ACTIVITIES</u>	
Date: 4/17/2012	Phone: (575)396-2378	<u>IRP-4-12-2797</u>

# ***Basin Environmental Service Technologies, LLC***

3100 Plains Highway  
P. O. Box 301  
Lovington, New Mexico 88260  
bjarguijo@basinenv.com  
Office: (575) 396-2378 Fax: (575) 396-1429



## **REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST**

**FASKEN OIL & RANCH, LTD.  
DENTON SWD HISTORICAL SITE #4  
Lea County, New Mexico  
Unit Letter "J" (NWSE), Section 11, Township 15 South, Range 37 East  
Latitude 33.0309° North, Longitude 103.1692° West**


Prepared For:

Fasken Oil and Ranch, Ltd.  
303 W. Wall Ave., Suite 1800  
Midland, TX 79701-5116

Prepared By:

Basin Environmental Service Technologies, LLC  
3100 Plains Highway  
Lovington, New Mexico 88260

**April 2012**

  
\_\_\_\_\_  
Ben J. Arguijo  
Project Manager

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## 1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Fasken Oil & Ranch, Ltd. (Fasken), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Denton SWD Historical Site #4. The legal description of the release site is Unit Letter "J" (NW/SE), Section 11, Township 15 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 33.0309° North latitude and 103.1692° West longitude. The property affected by the release is owned by Mr. Darr Angell. A "Site Location Map" is provided as Figure 1.

In July 2009, Fasken discovered a historical release along the Denton Salt Water Disposal (SWD) flowline. The release was attributed to failure of a section of an old steel flowline, which had been replaced with a fiberglass line several years prior to the discovery of the release. Failure of the steel flowline resulted in the release of an unknown volume of produced water. The historical release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on July 31, 2009. General photographs of the release site are provided as Appendix A.

In July 2009, a previous consultant advanced three (3) soil borings at the release site to delineate the vertical extent of impacted soil.

On July 31, 2009, Fasken submitted a risk-based site closure proposal, *Proposed Cleanup of Historical Salt Water Spill Sites*, to the NMOCD Hobbs District Office, presenting laboratory analytical results from the drilling event and summarizing remedial activities to-date. Based on laboratory analytical results, Fasken requested and received NMOCD approval to remove heavily chloride-impacted soil from above the hard rock layer at the site [approximately three feet (3') below ground surface (bgs)], install an impermeable liner in the floor of the excavation, and backfill the excavation with non-impacted material.

## 2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated the depth to water in Section 11, Township 15 South, Range 37 East ranges from approximately thirty-seven feet (37') to sixty-five feet (65') bgs. A depth-to-groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately fifty-five feet (55') bgs at the release site. Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Denton SWD Historical Site #4 release site has an initial ranking score of ten (10) points. The soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 1,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

### **3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES**

On February 28, 2012, excavation of impacted soil commenced at the site. Hach Quantab Chloride Low Range (30-600 mg/Kg) Titrators were used to field-screen the horizontal extent of impacted soil and to guide the excavation. Due to the presence of a Davis Gas pipeline right-of-way (D. ROW) which bisects the release site, to facilitate remediation, the excavation was divided into two sections: East Excavation and West Excavation. Excavated soil was stockpiled on-site, pending final disposition.

From February 29 through March 6, 2012, approximately one thousand, five hundred and sixty cubic yards (1,560 yd<sup>3</sup>) of impacted soil was excavated and transported to Gandy Marley, Inc. (NMOCD Permit # DP-1041), for disposal. A representative sample of soil disposal manifests is included as Appendix C.

On February 28, 2012, three (3) soil samples (North Wall #2, South Wall #2, and West Wall #2) were collected from the sidewalls of the East and West Excavations. The soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of chloride concentrations using EPA Method 4500 Cl-B. Table 1 summarizes the “Concentrations of Chloride in Soil”. Soil sample locations are depicted in Figure 2, “Site & Sample Location Map”. Laboratory analytical reports are provided as Appendix B.

Laboratory analytical results indicated chloride concentrations ranged from 32.0 mg/Kg in soil sample South Wall #2 to 64.0 mg/Kg in soil sample North Wall #2. Review of laboratory analytical results indicated the chloride concentrations in all submitted soil samples were less than the regulatory remediation action level (RRAL) established for the site by the NMOCD.

On March 1, 2012, one (1) soil sample (North Wall #1) was collected from the sidewall of the West Excavation. Laboratory analytical results indicated the chloride concentration was 64.0 mg/Kg. Review of laboratory analytical results indicated the chloride concentration in soil sample North Wall #1 was less than the RRAL established for the site.

On March 2, 2012, five (5) soil samples (East Wall #1, East Wall #2, D. ROW East Wall #1, D. ROW East Wall #2, and D. ROW East Wall #4) were collected from the sidewalls of the East Excavation, and six (6) soil samples (West Wall #1, West Wall #3, South Wall #1, D. ROW West Wall #1, D. ROW West Wall #2, and D. ROW West Wall #3) were collected from the

West Excavation. The soil samples were submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations in the East Excavation ranged from 368 mg/Kg in soil sample East Wall #1 to 4,160 mg/Kg in soil sample D. ROW East Wall #2. Chloride concentrations in the West Excavation ranged from 32.0 mg/Kg in soil sample South Wall #1 to 3,920 mg/Kg in soil sample D. ROW West Wall #2. Review of laboratory analytical results indicated the chloride concentrations in soil samples East Wall #2, D. ROW East Wall #1, D. ROW East Wall #2, D. ROW East Wall #4, D. ROW West Wall #2, and D. ROW West Wall #3 exceeded the RRAL established for the site.

On March 5, 2012, three (3) soil samples (East Wall #3, East Wall #4, and D. ROW East Wall #3) were collected from the sidewalls of the East Excavation and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated chloride concentrations ranged from 2,280 mg/Kg in soil sample D. ROW East Wall #3 to 4,160 mg/Kg in soil sample East Wall #3. Review of laboratory analytical results indicated the chloride concentrations in all submitted soil samples exceeded the RRAL established for the site.

Further excavation in the areas represented by soil samples East Wall #2, East Wall #3, East Wall #4, D. ROW East Wall #1, D. ROW East Wall #2, D. ROW East Wall #3, D. ROW East Wall #4, D. ROW West Wall #2, and D. ROW West Wall #3 was precluded by the presence of active pipelines immediately adjacent to the sample locations.

On March 8, 2012, a Basin representative contacted the NMOCD to request permission to backfill the excavations and to leave soil represented by soil samples East Wall #2, East Wall #3, East Wall #4, D. ROW East Wall #1, D. ROW East Wall #2, D. ROW East Wall #3, D. ROW East Wall #4, D. ROW West Wall #2, and D. ROW West Wall #3 in place. The requests were approved by an NMOCD representative on March 9, 2012, with the caveat that soil exhibiting contamination above the RRAL established for the site will be remediated upon decommission or abandonment of the currently active pipelines.

Based on laboratory analytical results, and with NMOCD approval, from March 9 through March 23, 2012, the East and West Excavations were backfilled with approximately one thousand, one hundred and eighty-six cubic yards (1,186 yd<sup>3</sup>) of topsoil purchased from the landowner, compacted, and contoured to fit the surrounding topography. Prior to backfilling, an impermeable clay liner was placed in the floors of the excavations, compacted, and leveled. Final dimensions of the West Excavation were approximately one hundred and thirty-four feet (134') in length, ranging in width from approximately twelve feet (12') to approximately twenty-five feet (25'), and approximately two and one-half feet (2.5') in depth. Final dimensions of the East Excavation were approximately two hundred and ten feet (210') in length, varying in width from approximately twenty-four feet (24') to approximately fifty feet (50'), and approximately two and one-half feet (2.5') in depth.

The Denton SWD Historical Site #4 release site will be seeded with an NMOCD-approved seed mixture during the 2012 calendar year.

## **4.0 QA/QC PROCEDURES**

### **4.1 Soil Sampling**

Soil Samples were delivered to Cardinal Laboratories in Hobbs, New Mexico, for analysis of chloride concentrations in accordance with EPA Method 4500 Cl-B. Soil samples were analyzed for chloride concentrations within fourteen (14) days following the collection date.

### **4.2 Decontamination of Equipment**

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

### **4.3 Laboratory Protocol**

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory analytical reports or are on file at the laboratory.

## **5.0 SITE CLOSURE REQUEST**

Soil samples collected from the sidewalls of the Denton SWD Historical Site #4 excavation were analyzed by an NMOCD-approved laboratory, and chloride concentrations were below the regulatory remediation action levels established for the site. The activities conducted at the site met the objectives set forth in the *Proposed Cleanup of Historic Salt Water Spill Sites*, dated July 31, 2009. Basin recommends Fasken provide the NMOCD Hobbs District Office a copy of this *Remediation Summary & Risk-Based Site Closure Request* and request the NMOCD grant site closure to the Denton SWD Historical Site #4 release site.

## **6.0 LIMITATIONS**

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

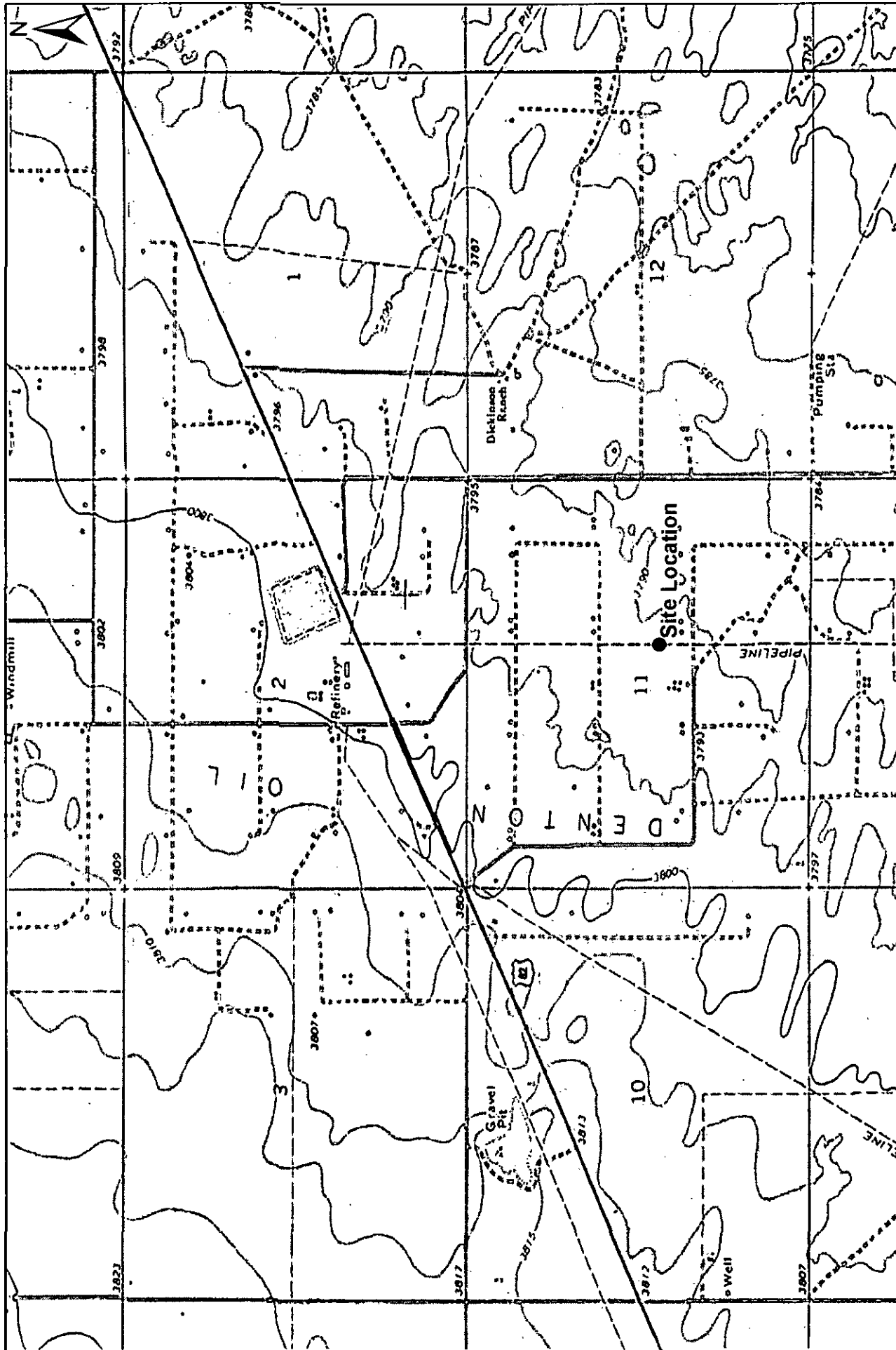
This report has been prepared for the benefit of Fasken Oil & Ranch, Ltd. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Fasken Oil & Ranch, Ltd.

## **7.0 DISTRIBUTION:**

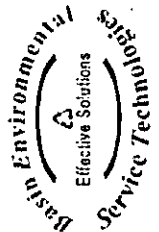
- Copy 1: Geoffrey Leking  
New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division (District 1)  
1625 French Drive  
Hobbs, NM 88240  
GeoffreyR.Leking@state.nm.us
- Copy 2: Jimmy D. Carlile  
Fasken Oil and Ranch, Ltd.  
303 W. Wall Ave., Suite 1800  
Midland, TX 79701-5116  
jimmyc@forl.com
- Copy 3: Basin Environmental Service Technologies, LLC  
P.O. Box 301  
Lovington, New Mexico 88260



## Figures



Basin Environmental Service Technologies, LLC  
3100 Plains Hwy.  
Lovington, NM 88260

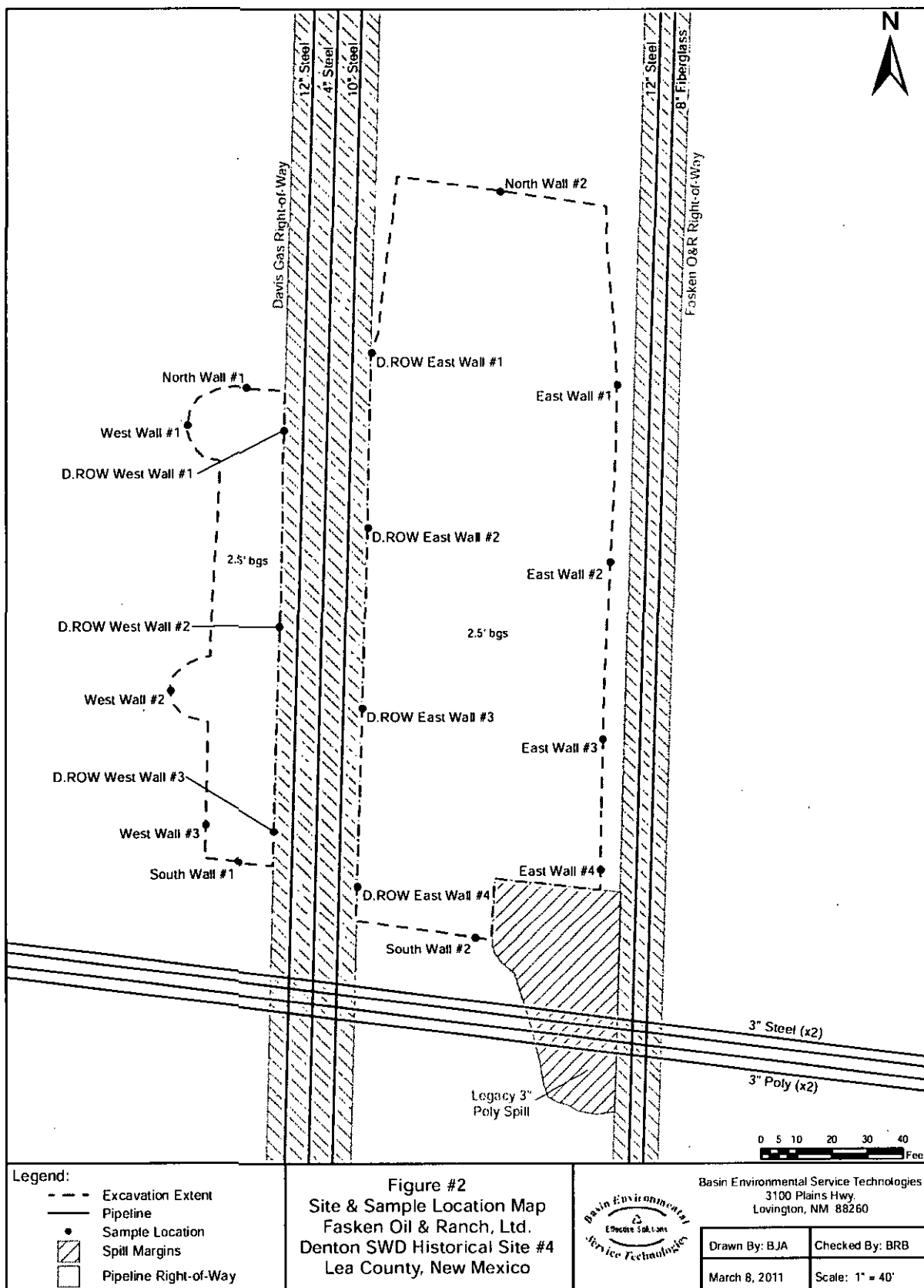


**Figure 1**  
**Site Location Map**  
**Fasken Oil & Ranch, Ltd.**  
**Denton SWD Historical Site #4**  
**Lea County, New Mexico**

1,000 500 0 1,000 2,000  
Distance in Feet

Drawn By: BJA  
March 8, 2012

Checked By: BRB  
Scale: 1" = 2000'



# Tables

TABLE 1

## CONCENTRATIONS OF CHLORIDE IN SOIL

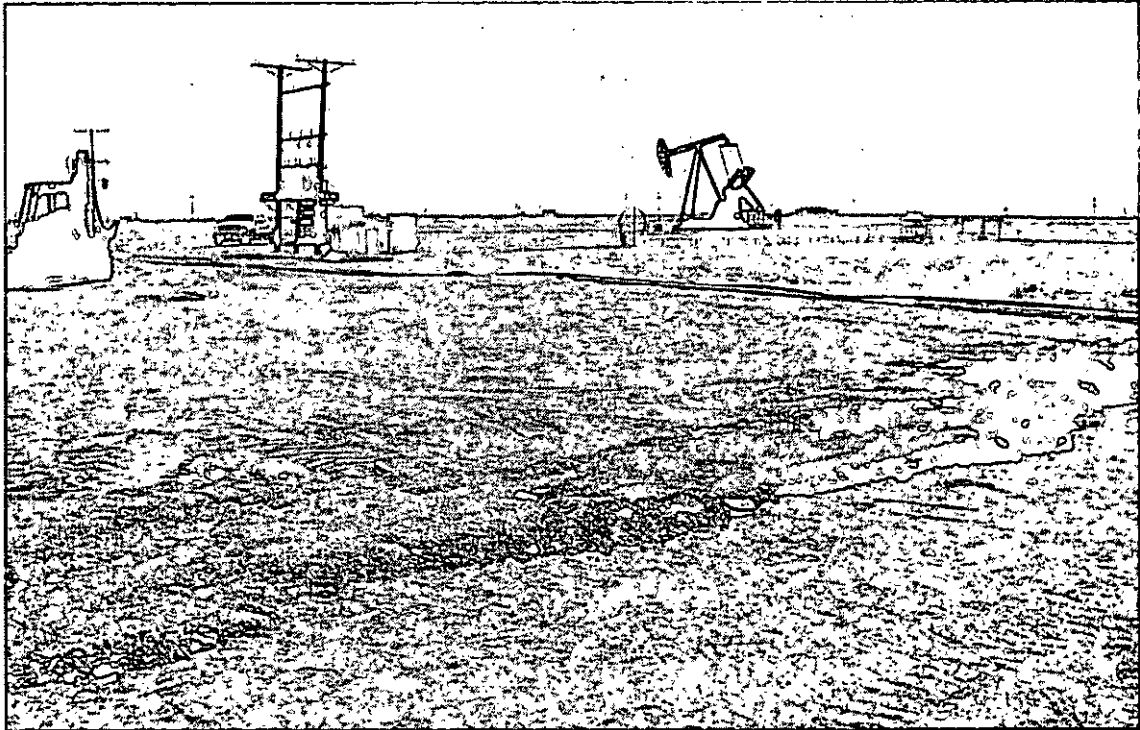
FASKEN OIL & RANCH, LTD.  
 DENTON SWD HISTORICAL SITE #4  
 LEA COUNTY, NEW MEXICO

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	E 300
				CHLORIDE (mg/Kg)
North Wall #2	2.5'	2/28/2012	In-situ	64.0
South Wall #2	2.5'	2/28/2012	In-situ	32.0
West Wall #2	2.5'	2/28/2012	In-situ	432
North Wall #1	2.5'	3/1/2012	In-situ	64.0
East Wall #1	2.5'	3/2/2012	In-situ	368
East Wall #2	2.5'	3/2/2012	In-situ	1,490
D. ROW East Wall #1	2.5'	3/2/2012	In-situ	2,880
D. ROW East Wall #2	2.5'	3/2/2012	In-situ	4,160
D. ROW East Wall #4	2.5'	3/2/2012	In-situ	1,680
West Wall #1	2.5'	3/2/2012	In-situ	160
West Wall #3	2.5'	3/2/2012	In-situ	64.0
South Wall #1	2.5'	3/2/2012	In-situ	32.0
D. ROW West Wall #1	2.5'	3/2/2012	In-situ	464
D. ROW West Wall #2	2.5'	3/2/2012	In-situ	3,920
D. ROW West Wall #3	2.5'	3/2/2012	In-situ	3,000
East Wall #3	2.5'	3/5/2012	In-situ	4,160
East Wall #4	2.5'	3/5/2012	In-situ	3,200
D. ROW East Wall #3	2.5'	3/5/2012	In-situ	2,280
NMOCD Criteria				1,000

# **Appendices**

# **Appendix A**

## **Photographs**

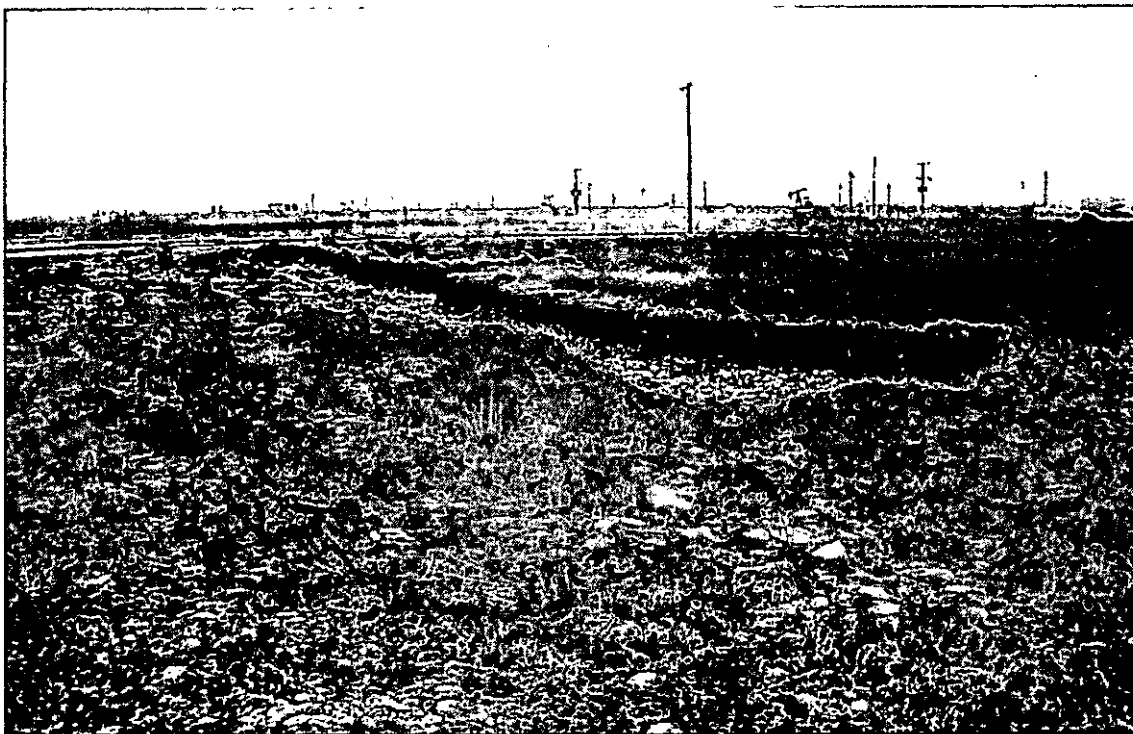


Denton SWD Historical Site #4 - Release Site (Legacy Reserve release marked with pin flags)

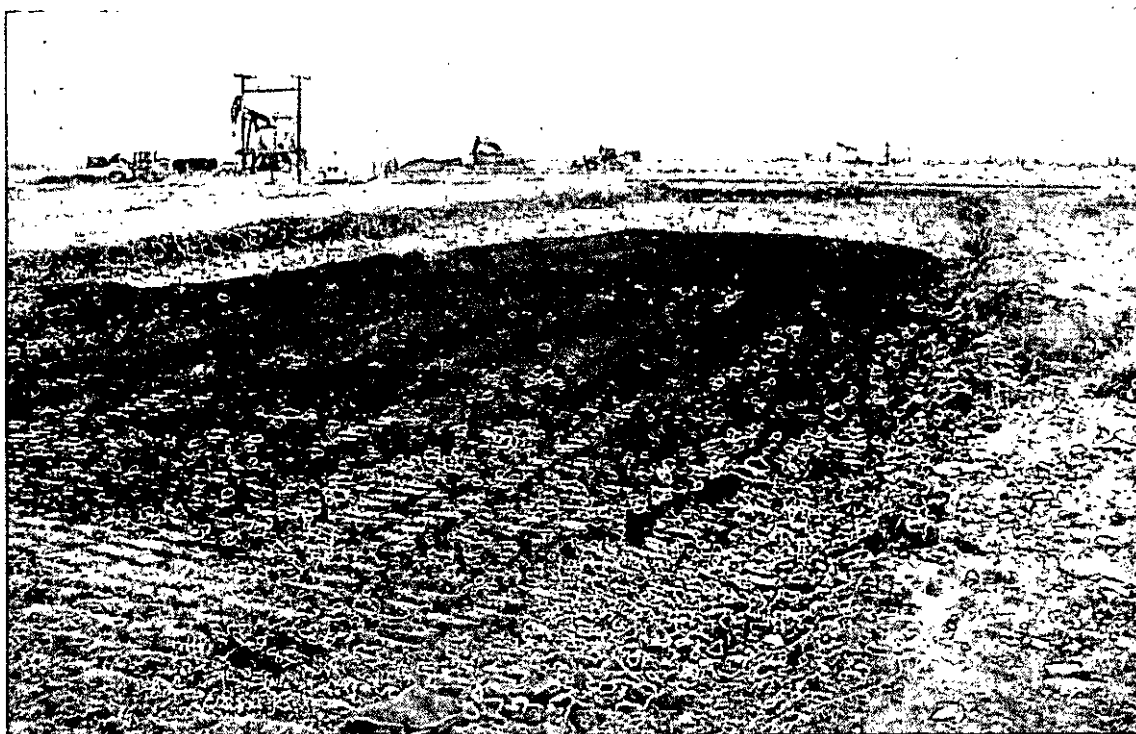


Denton SWD Historical Site #4 - Release Site (Delineation)





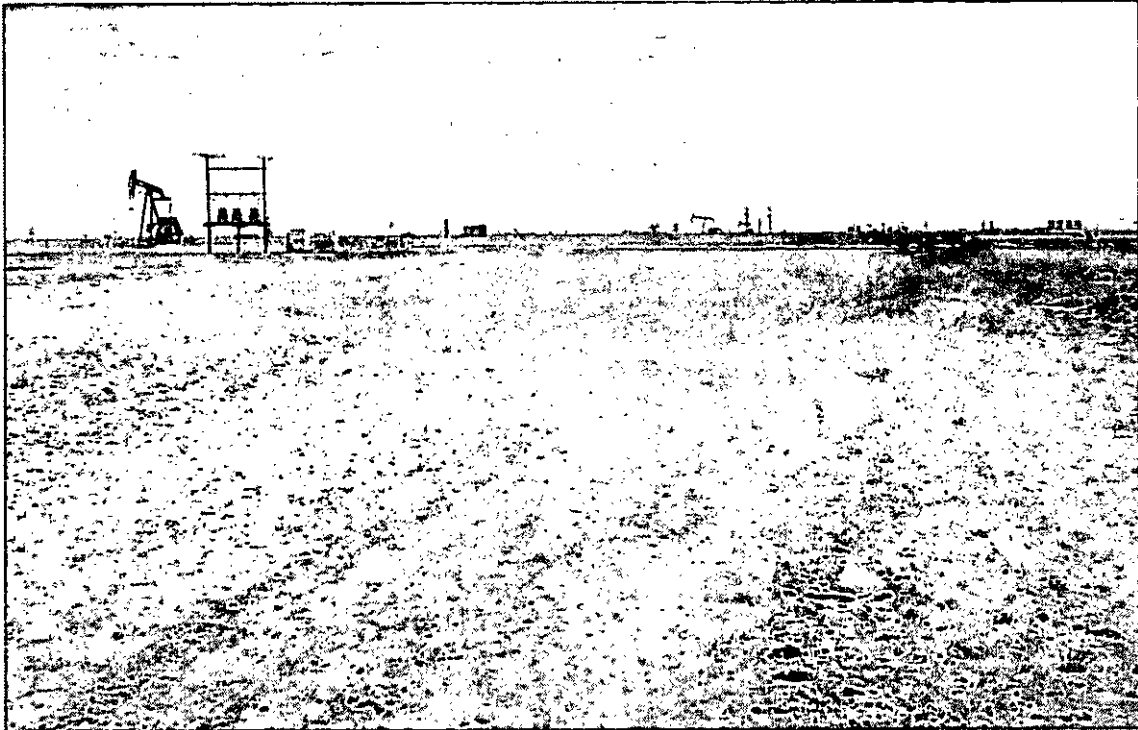
Denton SWD Historical Site #4 - West Excavation (looking South-southwest)



Denton SWD Historical Site #4 - East Excavation (during installation of clay liner)

# **Appendix B**

## **Laboratory Analytical Reports**



Denton SWD Historical Site #4 - Excavation (following backfill, looking South)

March 05, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DENTON SWD HISTORICAL SITE #4

Enclosed are the results of analyses for samples received by the laboratory on 02/29/12 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

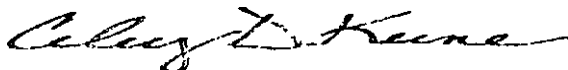
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 02/29/2012  
 Reported: 03/05/2012  
 Project Name: DENTON SWD HISTORICAL SITE #4  
 Project Number: NONE GIVEN  
 Project Location: LEA CO., NM

 Sampling Date: 02/28/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: WEST WALL #2 (H200533-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/02/2012	ND	432	108	400	0.00	

**Sample ID: NORTH WALL #2 (H200533-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/02/2012	ND	432	108	400	0.00	

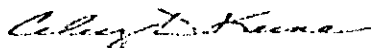
**Sample ID: SOUTH WALL #2 (H200533-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2012	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

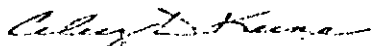
Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

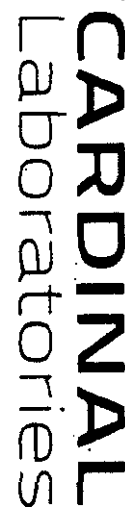
\*=Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Basin Environmental Service Technologies, LLC <b>Project Manager:</b> Ben J. Arcutio <b>Address:</b> P.O. Box 101 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> <b>Project Name:</b> Denton S&W Historical Site #4 <b>Project Location:</b> Lea Co., NM <b>Sample Name:</b> Bobby Blackwood <small>FOR LAB USE ONLY</small>										<b>P.O. #:</b> <b>Company:</b> Basin Env. <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>																																																										
<b>Lab I.D.</b> Sample I.D.																																																																				
<b>H200533</b>																																																																				
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<b>Remarks:</b>																																																																				

March 06, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DENTON SWD HISTORICAL SITE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/05/12 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

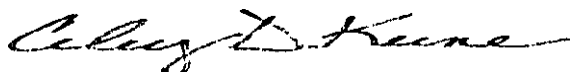
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

Received:	03/05/2012	Sampling Date:	03/01/2012
Reported:	03/06/2012	Sampling Type:	Soil
Project Name:	DENTON SWD HISTORICAL SITE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA CO., NM		

**Sample ID: N WALL #1 (H200568-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/05/2012	ND	432	108	400	3.77	

**Sample ID: E WALL #1 (H200568-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/05/2012	ND	432	108	400	3.77	

**Sample ID: E WALL #2 (H200568-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	03/05/2012	ND	432	108	400	3.77	

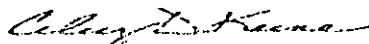
**Sample ID: DROW E WALL #1 (H200568-04)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	03/05/2012	ND	432	108	400	3.77	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 03/05/2012  
Reported: 03/06/2012  
Project Name: DENTON SWD HISTORICAL SITE #4  
Project Number: NONE GIVEN  
Project Location: LEA CO., NM

Sampling Date: 03/02/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: DROW E WALL #2 (H200568-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/05/2012	ND	432	108	400	3.77	

**Sample ID: DROW E WALL #4 (H200568-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	03/05/2012	ND	416	104	400	3.77	

**Sample ID: S WALL #1 (H200568-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/05/2012	ND	416	104	400	3.77	

**Sample ID: W WALL #1 (H200568-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/05/2012	ND	416	104	400	3.77	

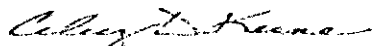
**Sample ID: W WALL #3 (H200568-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/05/2012	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 03/05/2012  
 Reported: 03/06/2012  
 Project Name: DENTON SWD HISTORICAL SITE #4  
 Project Number: NONE GIVEN  
 Project Location: LEA CO., NM

 Sampling Date: 03/02/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: DROW W WALL #1 (H200568-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/05/2012	ND	416	104	400	3.77	

**Sample ID: DROW W WALL #2 (H200568-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	03/05/2012	ND	416	104	400	3.77	

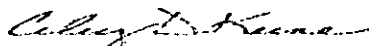
**Sample ID: DROW W WALL #3 (H200568-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	03/05/2012	ND	416	104	400	3.77	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-8 does not require samples be received at or below 6°C

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

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\* = Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Basin Environmental Service Technologies, LLC		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Ben J. Arguilo		Company: Basin Env.					
Address: P.O. Box 301		City: Lovington					
State: NM Zip: 88260		Phone #: (575) 396-2378					
Fax #: (575) 396-1429		Project Name: Denton SMD Historical Site #4					
Project #:		State:					
Project Location: Lea Co., NM		City:					
Sample Name: Miguel Ramirez		Phone #:					
FOR LAB USE ONLY		Fax #:					
Lab I.D.		Sample I.D.					
H200568		H200568					
N. Wall #1		G					
E. Wall #1		X					
E. Wall #2		X					
DROW E. Wall #1		X					
DROW E. Wall #2		X					
DROW E. Wall #3		X					
DROW E. Wall #4		X					
S. Wall #1		X					
W. Wall #1		X					
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DROW W. Wall #248		X					
DROW W. Wall #249		X					
DROW W. Wall #250		X					
DROW W. Wall #251		X					
DROW W. Wall #252		X					
DROW W. Wall #253		X					
DROW W. Wall #254		X					
DROW W. Wall #255		X					
DROW W. Wall #256		X					
DROW W. Wall #257		X					
DROW W. Wall #258		X					
DROW W. Wall #259		X					
DROW W. Wall #260		X					
DROW W. Wall #261		X					
DROW W. Wall #262		X					
DROW W. Wall #263		X					
DROW W. Wall #264		X					
DROW W. Wall #265		X					
DROW W. Wall #266		X					
DROW W. Wall #267		X					
DROW W. Wall #268		X					
DROW W. Wall #269		X					
DROW W. Wall #270		X					
DROW W. Wall #271		X					
DROW W. Wall #272		X					
DROW W. Wall #273		X					
DROW W. Wall #274		X					
DROW W. Wall #275		X					
DROW W. Wall #276		X					
DROW W. Wall #277		X					
DROW W. Wall #278		X					
DROW W. Wall #279		X					
DROW W. Wall #280		X					
DROW W. Wall #281		X					
DROW W. Wall #282		X					
DROW W. Wall #283		X					
DROW W. Wall #284		X					
DROW W. Wall #285		X					
DROW W. Wall #286		X					
DROW W. Wall #287		X					
DROW W. Wall #288		X					
DROW W. Wall #289		X					
DROW W. Wall #290		X					
DROW W. Wall #291		X					
DROW W. Wall #292		X					
DROW W. Wall #293		X					
DROW W. Wall #294		X					
DROW W. Wall #295		X					
DROW W. Wall #296		X					
DROW W. Wall #297		X					
DROW W. Wall #298		X					
DROW W. Wall #299		X					
DROW W. Wall #300		X					
DROW W. Wall #301		X					
DROW W. Wall #302		X					
DROW W. Wall #303		X					
DROW W. Wall #304		X					
DROW W. Wall #305		X					
DROW W. Wall #306		X					
DROW W. Wall #307		X					
DROW W. Wall #308		X					
DROW W. Wall #309		X					
DROW W. Wall #310		X					
DROW							



## 2

**BILL TO**

ANALYSIS REQUEST

Please email results to [bjarguljo@basinenv.com](mailto:bjarguljo@basinenv.com)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-398-2476

March 08, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: DENTON SWD HISTORICAL SITE #4

Enclosed are the results of analyses for samples received by the laboratory on 03/06/12 9:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

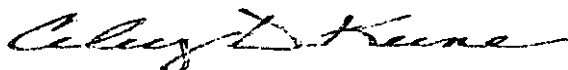
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

Received:	03/06/2012	Sampling Date:	03/05/2012
Reported:	03/08/2012	Sampling Type:	Soil
Project Name:	DENTON SWD HISTORICAL SITE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA CO., NM		

**Sample ID: D. ROW EAST #3 (H200579-01)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	03/07/2012	ND	416	104	400	0.00	

**Sample ID: E WALL #3 (H200579-02)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/07/2012	ND	416	104	400	0.00	

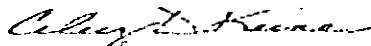
**Sample ID: E WALL #4 (H200579-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	03/07/2012	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

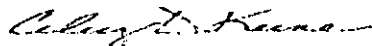
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST									
Company Name: Basin Environmental Service Technologies, LLC										P.O. #:									
Project Manager: Ben J. Arculito										Company: Basin Eng.									
Address: P.O. Box 301										Attn:									
City: Lovington										State: NM Zip: 86260									
Phone #: (575) 396-2378										Fax #: (575) 396-1429									
Project #:										Project Owner: F&B Oil & Ranch, Inc.									
Project Name: Denton S&D Historical Site #4										City:									
Project Location: Lea Co., NM										State:									
Sampler Name: Bobby Blackwood										Phone #:									
Fax #:										Address:									
FOR LAB USE ONLY										PRESERV									
Lab I.D.										DATE									
H200578										TIME									
1 D. ROW East #3										3/5/12 1615									
2 East Wall #3										1630									
3 East Wall #4										1640									
Sample I.D.										Chloride									
Matrix										PRESERV									
GROUNDWATER										ICE / COOL									
WASTEWATER										OTHER:									
SOIL										ACID/BASE:									
SLUDGE										OTHER:									
# CONTAINERS										G/RAB OR (C/OMP)									
Date: 3/5/12										Time: 1600									
Relinquished By:										Received By:									
Relinquished By:										Received By:									
Delivered By: (Circle One)										Sample Condition:									
Sampler - UPS - Bus - Other:										Cool Intact									
Please email results to bja@basinenv.com.										Phone Result: Yes No									
										Fax Result: Yes No									
										Add'l Phone #: Add'l Fax #:									
										REMARKS:									

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

# **Appendix C**

## **Soil Disposal Manifests**

# GANDY-MARLEY, INC.

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10642

LEASE OPERATOR/SHIPPER/COMPANY: FAKREN OIL & Ranch

LEASE NAME: DELTON SUD DIST SITE "A"

TRANSPORTER COMPANY: R & M LARMS TIME: 9:08 AM/PM

DATE: 03-01-12 VEHICLE NO.: R-1 DRIVER NO.:

CHARGE TO:

## TYPE OF MATERIAL

**OCD**

☐ Other Material:

☐ Contaminated soil

☐ C-117 No. \_\_\_\_\_

☐ BS&W content: \_\_\_\_\_

Description: CL

VOLUME OF MATERIAL ☐ YARDS 20 : CELL# LF : ☐

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

# GANDY-MARLEY, INC.

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10827

LEASE OPERATOR/SHIPPER/COMPANY: FASKEN OIL RANCH

LEASE NAME: DENTON SAND HST SITE #1

TRANSPORTER COMPANY: ANGELS TIME: 12:35 AM/PM

DATE: 03-01-12 VEHICLE NO.: 601 DRIVER NO.:

CHARGE TO:

## TYPE OF MATERIAL

OCD

☐ Other Material: ☒ Contaminated soil: ☐ C-117 No.:  
☐ BS&W content:

Description: CL

VOLUME OF MATERIAL [ ] : YARDS 20 : CELL# LF : [ ]

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: John Rodriguez

FACILITY REPRESENTATIVE: T. T.

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

# GANDY-MARLEY, INC.

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10840

LEASE OPERATOR/SHIPPER/COMPANY: FRISKEN OIL & RANCH

LEASE NAME: DENTON SWD HIST SITE #4

TRANSPORTER COMPANY: M.R. McCracken TIME: 8:30 AM/PM

DATE: 03-02-12 VEHICLE NO.: \_\_\_\_\_ DRIVER NO.: \_\_\_\_\_

CHARGE TO: \_\_\_\_\_

## TYPE OF MATERIAL

### OCD

☐ Other Material:

☒ Contaminated soil

☐ C-117 No. \_\_\_\_\_

☐ BS&W content: \_\_\_\_\_

Description: CL

VOLUME OF MATERIAL ☐ : YARDS 20 : CELL# LF : ☐

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: Michael H. McCracken

FACILITY REPRESENTATIVE: [Signature]

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

**GANDY-MARLEY, INC.**

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10847

LEASE OPERATOR/SHIPPER/COMPANY: FASKEN OIL & RANCHLEASE NAME: DENTON SWID HILL Site #4TRANSPORTER COMPANY: I & WTIME: 9:48 AM/PMDATE: 03-02-12 VEHICLE NO.: 02

DRIVER NO.:

CHARGE TO:

**TYPE OF MATERIAL****OCD**☐ Other Material:☒ Contaminated soil☐ C-117 No. \_\_\_\_\_☐ BS&W content: \_\_\_\_\_Description: CLVOLUME OF MATERIAL ☐ YARDS 20 : CELL# LF : ☐

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: [Signature]FACILITY REPRESENTATIVE: [Signature]

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

# GANDY-MARLEY, INC.

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10856

LEASE OPERATOR/SHIPPER/COMPANY: FASKEN OIL & RANCH

LEASE NAME: DEWTON SWD HIST. SITE #4

TRANSPORTER COMPANY: RENTALMA'S TIME: 12:00 AM/PM

DATE: 03-02-12 VEHICLE NO.: R-1

CHARGE TO:

TYPE OF MATERIAL

☐ Other Material

☐ Contaminated soil

☐ BS&W content

☐ C-117 No.:

Description: CL

VOLUME OF MATERIAL [ ] YARDS 20

CELL# LF : [ ]

AS A CONDITION TO GANDY-MARLEY, 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 SAFETY CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: [Signature]

FACILITY REPRESENTATIVE: [Signature]

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter



**GANDY-MARLEY, INC.**

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10894

LEASE OPERATOR/SHIPPER/COMPANY: HASKEN OIL & RICHLEASE NAME: DENTON SWD H101 SITE # 4TRANSPORTER COMPANY: 12 HILCO TIME: 5:40 AM/PMDATE: 03-07-12 VEHICLE NO.: R-1 DRIVER NO.: 

CHARGE TO:

**TYPE OF MATERIAL****OCD**☐ Other Material ☒ Contaminated soil ☐ C-117 No. ☐ BS&W content: Description: CLVOLUME OF MATERIAL ☐ YARDS 20 : CELL# LF : ☐

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: [Signature]FACILITY REPRESENTATIVE: [Signature]

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

# GANDY-MARLEY, INC.

P.O. Box 1658  
Roswell, NM 88202  
(575) 347-0434  
Fax (575) 347-0435

No. 10887

LEASE OPERATOR/SHIPPER/COMPANY: FASKEN OIL & RANCH

LEASE NAME: DEWTON SUDD HILL SITE #4

TRANSPORTER COMPANY: A. MARTINEZ TIME: 12:08 AM/PM

DATE: 03-05-12 VEHICLE NO.: 29 DRIVER NO.:

CHARGE TO:

## TYPE OF MATERIAL

### OCD

☐ Other Material

☒ Contaminated soil

☐ C-117 No. \_\_\_\_\_

☐ BS&W content: \_\_\_\_\_

Description: CL

VOLUME OF MATERIAL ☐ : YARDS 20 : CELL# LF : ☐ \_\_\_\_\_

AS A CONDITION TO GANDY-MARLEY, 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 CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, 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 GANDY-MARLEY, 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: Gerry Rodriguez

FACILITY REPRESENTATIVE: T. F.

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter