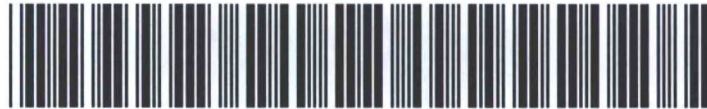




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pPAC0603947023

1RP - 475

FASKEN OIL & RANCH LTD

4/19/2016

MAY 03 2011

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

RECEIVED 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, 2002

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	AMERICO ENERGY RESOURCES	Contact	STEVE SMITH
Address	10940 OLD KATY RD. HOUSTON, TX 77043	Telephone No.	441-0726
Facility Name	VENTEN SAND #1	Facility Type	SALT WATER DISPOSAL LINE
Surface Owner	JACK HAYELL	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
	11	155	376	UNK	UNK	UNK	UNK	LEA

Latitude _____ Longitude _____

NATURE OF RELEASE


Type of Release	SALT WATER	Volume of Release	10,000	Volume Recovered	0
Source of Release	WATERLINE	Date and Hour of Occurrence	7/25	Date and Hour of Discovery	7/25 11 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required If YES, To Whom? DARRIN HALL / GARY WINK				
By Whom?	Date and Hour				
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. 10" RED THERMO FIBERGLASS PIPE, SPOT HAD BEEN TAKEN. SHOT DOWN LINE, ESCORTED BY BACKHOE, REMOVED BAD SECTION OF PIPE AND REPLACED BY NEW.

Describe Area Affected and Cleanup Action Taken. APPROXIMATELY 500' X 1000' PASTURE GRASS. CONTACTED LAND OWNER, HE ADVISED HE WANTED ENTIRE AREA ESCORTED AND NEW DIRT PUT IN PLACE.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:		
Printed Name: STEPHEN B. SMITH	Approval Date:		
Title: CONTRACT MANAGER / AREA REP.	Expiration Date:		
Email Address: SMITHS@NMOC.NMMAIL.COM	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 8/5/04	Phone: 441-0726		

Attach Additional Sheets If Necessary

Leking, Geoffrey R, EMNRD

From: Jimmy Carlile [jimmyc@forl.com]
Sent: Monday, May 09, 2011 6:54 AM
To: Leking, Geoffrey R, EMNRD
Cc: 'Reggie Brooks'; 'David Adkins'
Subject: Denton SWD System - Historic Work Plan and Approval
Attachments: 20110509073216.pdf

HOBBS OCD

MAY 09 2011

Geoff,

RECEIVED

In response to your email on Friday, attached is the work plan and approval for the remediation of the historic spills at the Denton SWD System. I will be in the office till 11 am this morning, then out on personal business this afternoon. Back on Tuesday. Please let me know if you have any questions. Please contact Mike Stubblefield with Talon with your approval to line the excavation and begin backfill operations. Thanks.

Jimmy D. Carlile
Regulatory Affairs Coordinator

Fasken Oil and Ranch, Ltd.
303 West Wall, Suite 1800
Midland, TX 79701

432 687-1777

Jimmy Carlile

From: Leking, Geoffrey R, EMNRD [GeoffreyR.Leking@state.nm.us]
Sent: Monday, August 10, 2009 10:11 AM
To: jimmyc@forl.com
Subject: RE: Remediation of Denton Field Historic Spill Sites

HOBBS OCD

MAY 09 2011

Jimmy

RECEIVED

This email serves as approval of the Fasken Oil and Ranch, Ltd, Proposed Cleanup of Historic Salt Water Spill Sites, Denton Salt Water Disposal System, Denton; Wolfcamp and Devonian Fields, Lea County, New Mexico risk based correction action plan dated July 31, 2009.

Geoffrey Leking
Environmental Engineer
NMOCD-Hobbs
419-393-6161 Ext. 113
419-399-2990

From: Jimmy Carlile [mailto:jimmyc@forl.com]
Sent: Thursday, August 06, 2009 7:14 AM
To: Leking, Geoffrey R, EMNRD
Subject: RE: Remediation of Denton Field Historic Spill Sites

Geoff, just wanted to make sure you had gotten the proposed work plan for the historic sites at the Denton SWD System. Let me know if you have any questions on it. Please email me an approval of the plan, or let me know if it is already scanned into the OCD Online System. We need the approval to send to prospective environmental contractors as part of the bid process.

From: Jimmy Carlile [mailto:jimmyc@forl.com]
Sent: Friday, July 31, 2009 11:36 AM
To: 'Leking, Geoffrey R, EMNRD'
Cc: 'Johnson, Larry, EMNRD'
Subject: Remediation of Denton Field Historic Spill Sites

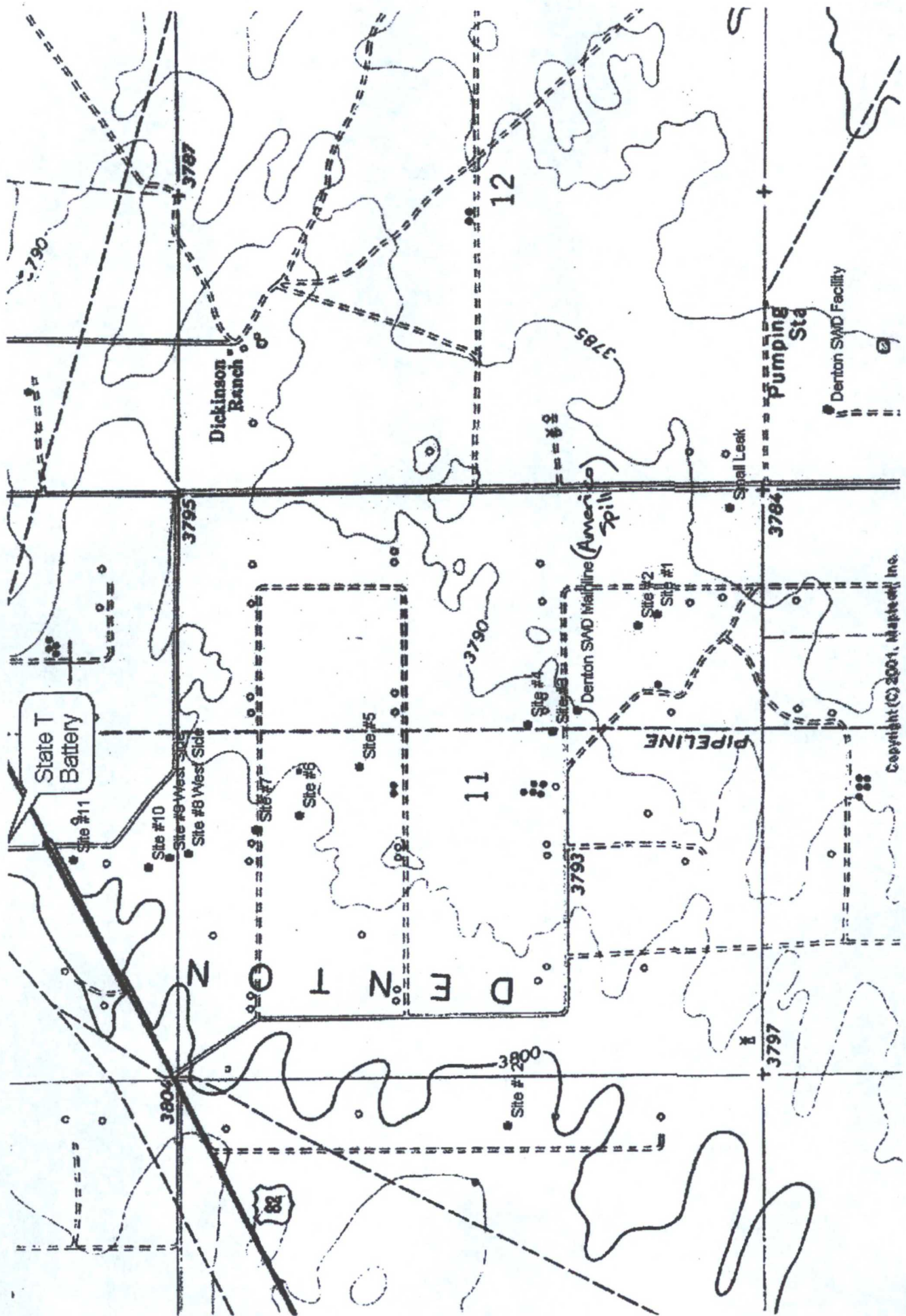
Good morning Geoff,

I caught Larry Johnson on his cell a little earlier today and he said he was going to be out for at least a month with some shoulder surgery. I told him Fasken will be submitting a work plan to OCD for a risk based corrective action plan to remediate what appear to be 8 historic spill sites at the Denton SWD System. We will be utilizing the same procedure we have used on other RBCA plans in this field. Larry said he would give you a heads up call on this to let you know it was coming.

I plan on getting this plan out this afternoon, so you should have it Monday or Tuesday latest. Please give me a call if you have any questions about our plan. Looking forward to working with you on this.

Jimmy D. Carlile

Fasken Oil and Ranch, Ltd.
303 West Wall, Suite 1800
Midland, TX 79701



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Ana-Lab Results:
Fas-09-001 Fasken Mainline Delineation

Site 2: Lab-Project # 440196

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	11.9	N/A	N/A	N/A	N/A	N/A
BH #1 5'	1060	ND	ND	ND	ND	ND
BH #1 10'	975	N/A	N/A	N/A	N/A	N/A
BH #1 15'	223	N/A	N/A	N/A	N/A	N/A
BH #1 20'	386	N/A	N/A	N/A	N/A	N/A
BH #1 25'	14.7	N/A	N/A	N/A	N/A	N/A
BH #1 30'	10.7	ND	ND	ND	ND	ND
BH #2 Surface	324	N/A	N/A	N/A	N/A	N/A
BH #2 5'	544	ND	ND	ND	ND	ND
BH #2 10'	1410	N/A	N/A	N/A	N/A	N/A
BH #2 15'	2150	N/A	N/A	N/A	N/A	N/A
BH #2 20'	2150	N/A	N/A	N/A	N/A	N/A
BH #2 25'	1220	N/A	N/A	N/A	N/A	N/A
BH #2 30'	650	N/A	N/A	N/A	N/A	N/A
BH #2 35'	308	N/A	N/A	N/A	N/A	N/A
BH #2 40'	218	ND	ND	ND	ND	ND
BH #3 Surface	762	N/A	N/A	N/A	N/A	N/A
BH #3 5'	1320	ND	ND	ND	ND	ND
BH #3 10'	1670	N/A	N/A	N/A	N/A	N/A
BH #3 15'	1910	N/A	N/A	N/A	N/A	N/A
BH #3 20'	161	N/A	N/A	N/A	N/A	N/A
BH #3 25'	77.7	N/A	N/A	N/A	N/A	N/A
BH #3 30'	21.2	ND	ND	ND	ND	ND

Site 3: Lab Project #440217

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	95.7	N/A	N/A	N/A	N/A	N/A
BH #1 5'	616	ND	ND	ND	ND	ND
BH #1 10'	1010	N/A	N/A	N/A	N/A	N/A
BH #1 15'	1290	N/A	N/A	N/A	N/A	N/A
BH #1 20'	1010	N/A	N/A	N/A	N/A	N/A
BH #1 25'	826	N/A	N/A	N/A	N/A	N/A
BH #1 30'	514	N/A	N/A	N/A	N/A	N/A
BH #1 35'	34.7	N/A	N/A	N/A	N/A	N/A
BH #1 40'	24.3	ND	ND	ND	ND	ND
BH #2 Surface	2260	ND	ND	ND	ND	ND
BH #2 5'	1110	N/A	N/A	N/A	N/A	N/A
BH #2 10'	1330	N/A	N/A	N/A	N/A	N/A
BH #2 15'	1430	N/A	N/A	N/A	N/A	N/A
BH #2 20'	590	N/A	N/A	N/A	N/A	N/A
BH #2 25'	349	N/A	N/A	N/A	N/A	N/A
BH #2 30'	540	ND	ND	ND	ND	ND
BH #2 35'	282	N/A	N/A	N/A	N/A	N/A
BH #2 40'	115	N/A	N/A	N/A	N/A	N/A
BH #2 45'	77.6	ND	ND	ND	ND	ND

Site 4: Lab Project #440219

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	17.8	N/A	N/A	N/A	N/A	N/A
BH #1 5'	N/A	N/A	N/A	N/A	N/A	N/A
BH #1 10'	646	ND	ND	ND	ND	ND
BH #1 15'	182	N/A	N/A	N/A	N/A	N/A
BH #1 20'	14.4	ND	ND	ND	ND	ND
BH #2 Surface	355	N/A	N/A	N/A	N/A	N/A
BH #2 5'	887	ND	ND	ND	ND	ND
BH #2 10'	1100	N/A	N/A	N/A	N/A	N/A
BH #2 15'	259	N/A	N/A	N/A	N/A	N/A
BH #2 20'	251	ND	ND	ND	ND	ND
BH #3' Surface	1660	N/A	N/A	N/A	N/A	N/A
BH #3 5'	N/A	N/A	N/A	N/A	N/A	N/A
BH #3 10'	968	ND	ND	ND	ND	ND
BH #3 15'	627	N/A	N/A	N/A	N/A	N/A
BH #3 20'	461	N/A	N/A	N/A	N/A	N/A
BH #3 25'	450	N/A	N/A	N/A	N/A	N/A
BH #3 30'	390	N/A	N/A	N/A	N/A	N/A
BH #3 35'	235	N/A	N/A	N/A	N/A	N/A
BH #3 40'	153	N/A	N/A	N/A	N/A	N/A
BH #3 45'	152	ND	ND	ND	ND	ND

Site 6: Lab Project #439520

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	1070	N/A	N/A	N/A	N/A	N/A
BH #1 5'	2480	ND	ND	ND	ND	ND
BH #1 10'	1010	N/A	N/A	N/A	N/A	N/A
BH #1 15'	905	N/A	N/A	N/A	N/A	N/A
BH #1 20'	9.08	N/A	N/A	N/A	N/A	N/A
BH #1 25'	<6.00	ND	ND	ND	ND	ND
BH #2 Surface	348	N/A	N/A	N/A	N/A	N/A
BH #2 5'	N/A	N/A	N/A	N/A	N/A	N/A
BH #2 10'	1110	ND	ND	ND	ND	ND
BH #2 15'	N/A	N/A	N/A	N/A	N/A	N/A
BH #2 20'	148	N/A	N/A	N/A	N/A	N/A
BH #2 25'	143	ND	ND	ND	ND	ND
BH #3 Surface	2070	N/A	N/A	N/A	N/A	N/A
BH #3 5'	N/A	N/A	N/A	N/A	N/A	N/A
BH #3 10'	509	ND	ND	ND	ND	ND
BH #3 15'	153	N/A	N/A	N/A	N/A	N/A
BH #3 20'	9.69	N/A	N/A	N/A	N/A	N/A
BH #3 25'	11.1	ND	ND	ND	ND	ND

Site 7: Lab Project #439521

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	1650	N/A	N/A	N/A	N/A	N/A
BH #1 5'	4890	ND	ND	ND	ND	ND
BH #1 10'	861	N/A	N/A	N/A	N/A	N/A
BH #1 15'	1470	N/A	N/A	N/A	N/A	N/A
BH #1 20'	1070	N/A	N/A	N/A	N/A	N/A
BH #1 25'	430	N/A	N/A	N/A	N/A	N/A
BH #1 28'	93.4	ND	ND	ND	ND	ND

Site 10: Lab Project #439522

Sample Point	Chloride (mg/kg)	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
BH #1 Surface	209	N/A	N/A	N/A	N/A	N/A
BH #1 5'	874	N/A	N/A	N/A	N/A	N/A
BH #1 10'	459	N/A	N/A	N/A	N/A	N/A
BH #1 15'	48.2	N/A	N/A	N/A	N/A	N/A
BH #1 20'	<6.00	ND	ND	ND	ND	ND
BH #2 Surface	273	N/A	N/A	N/A	N/A	N/A
BH #2 5'	563	ND	ND	ND	ND	ND
BH #2 10'	1410	N/A	N/A	N/A	N/A	N/A
BH #2 15'	1150	N/A	N/A	N/A	N/A	N/A
BH #2 20'	1090	N/A	N/A	N/A	N/A	N/A
BH #2 25'	125	N/A	N/A	N/A	N/A	N/A
BH #2 27'	67.0	ND	ND	ND	ND	ND
BH #3 Surface	8.39	N/A	N/A	N/A	N/A	N/A
BH #3 5'	1090	ND	ND	ND	ND	ND
BH #3 10'	149	N/A	N/A	N/A	N/A	N/A
BH #3 15'	29.3	ND	ND	ND	ND	ND

Main Line Leak Southeast of Legacy battery
July 2004

Date	Sample ID	Cl ⁻ (mg/Kg)
9/23/04	SS-1	23993
9/23/04	SS-2	33989
9/23/04	SS-3	31190
9/23/04	SS-4	27591
9/23/04	SS-5	14396
9/23/04	SS-6	21593
9/23/04	SS-7	26792
9/23/04	BH #1, 5'	2495
9/23/04	BH #1, 8-10'	2559
9/23/04	BH #1, 20'	1136
9/23/04	BH #1, 25'	2719
9/23/04	BH #1, 27'	1152
9/23/04	BH #2, 5'	6158
9/23/04	BH #2, 15'	3439
9/23/04	BH #2, 20'	2575

Date	Sample ID	Cl ⁻ (mg/Kg)
9/23/04	BH #2, 25'	160
9/23/04	BH #2, 30'	320
9/23/04	BH #3, 5'	1600
9/23/04	BH #3, 10'	80
9/23/04	BH #3, 15'	48
9/23/04	BH #3, 20'	32
9/23/04	BH #3, 25'	48
9/24/04	BH #4, 5'	112
9/24/04	BH #4, 10'	48
9/24/04	BH #5, 5'	192
9/24/04	BH #5, 10'	96
9/24/04	BH #6, 5'	288
9/24/04	BH #6, 10'	80
9/24/04	BH #6, 15'	64

After samples were retrieved all boreholes were plugged back to surface with bentonite.

VI. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendix A – C-141

Appendix B – Analytical Results

Appendix C – Site Photos

Denton SWD Main Battery
Spill Area Southeast of Rty
March 2007

Fasken Denton SWD
Fas-07-001
Results From Boreholes

Sample ID	Field Chlorides (PPM)	Lab Chlorides	TPH: GRO	TPH: DRO	Total
BH 7 6"	236	1100			
BH 7 5'	644	1200			
BH 7 10'	1384	440			
BH 7 15'	2532	1900			
BH 7 20'	2008	1700			
BH 7 25'	1196	850			
BH 7 30'	1288	1300			
BH 7 35'	1288	1600			
BH 7 40'	956	910			
BH 7 45'	884	550			
BH 7 50'	644	490			22
BH 8 6"	5458	5800			
BH 8 5'	1856	2100			
BH 8 10'	644	800			
BH 8 15'	644	640			
BH 8 20'	956	880			
BH 8 25'	956	310			
BH 8 30'	412	370			
BH 8 35'	336	360			
BH 8 40'	<124	64			17
BH 9 6"	5932	4700			
BH 9 5'	1416	1800			
BH 9 10'	1860	800			
BH 9 15'	268	210			
BH 9 20'	148	110			14
BH 10 6"	2008	2200	80	1200	1300
BH 10 5'	592	930	670	2000	2700
BH 10 10'	176	100	1500	4000	5500
BH 10 15'	N/A	170	62	310	370
BH 10 20'	N/A	290	ND	ND	ND

FASKEN OIL AND RANCH, LTD.

303 WEST WALL AVENUE, SUITE 1800
MIDLAND, TEXAS 79701-5116

(432) 687-1777
jimmyc@forl.com

HOBBS OCD

MAY 09 2011

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Jimmy D. Carlile
Regulatory Affairs Coordinator

July 31, 2009

Mr. Geoffrey Leking
Environmental Engineer
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

Dear Mr. Leking,

Re: Fasken Oil and Ranch, Ltd.
Proposed Cleanup of Historic Salt Water Spill Sites
Denton Salt Water Disposal System
Denton; Wolfcamp and Devonian Fields
Lea County, New Mexico

Fasken Oil and Ranch, Ltd. is operator of the Denton Salt Water Disposal System serving the Denton; Wolfcamp and Devonian Fields in Lea County. Fasken has identified 8 potential historic salt water spill sites that are in need of remediation. Each of these sites has been delineated both horizontally and vertically. Fasken proposes the following risk based correction action plan to begin to remediate these sites.

Fasken will bring in an environmental contractor to excavate heavily chloride contaminated soil from above the caliche layer. We have found the caliche layer to range from 3 feet to 5 feet in depth across this area. This material will be hauled off site to an NMOCD approved land fill that is permitted to accept chloride contaminated material. Field testing will be utilized to provide updated delineation information. Laboratory analysis will be used to support final excavation limits.

A 20 mil liner will be installed above the caliche layer once the contaminated material is removed. Before the liner is put into the excavation, we will contact and secure NMOCD approval to place the liner and begin backfilling. Clean material will be backhauled and stockpiled on location to complete the backfill process. Backfill material will be sampled for chloride contamination before it is put into the excavation. Rock free material will be used to cover the liner and topsoil similar in quality to what was excavated will be used for the top 3 feet of fill.

As additional information, I have attached a map showing the location of these potential historic salt water spill sites along with the results of the vertical delineation for each site. The delineation and sampling of these sites was supervised by Safety and Environmental Solutions, Inc. out of Hobbs.

If you have any questions concerning this proposed plan please contact me at (432) 687-1777 or email me at jimmyc@forl.com.

Yours truly,



Jimmy D. Carlile
Regulatory Affairs Coordinator



P.O. Box 1613
703 East Clinton Street
Hobbs, New Mexico 88240
O: 575/397-0510
F: 575/393-4388
www.sesi-nm.com

Safety & Environmental Solutions, Inc.

May 5, 2011

Mr. Jimmy Carlile
Regulatory Affairs Coordinator
Fasken Oil and Ranch, Ltd.
303 West Wall, Suite 1800
Midland, Texas 79701-5116

RE: FAS-10-004 Denton SWD Main line Groundwater Quality Sampling

Dear Mr. Carlile:

At the request of Fasken Oil and Ranch Ltd, Safety & Environmental Solutions, Inc. was onsite on April 26, 2011 for the purpose to sample the monitor well located approximately 0.1 miles southeast of the Legacy Battery for water quality constituents as required by the New Mexico Environment Department.

The sample for monitor well #1 was collected and transported under chain of custody to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico and analyzed for Chloride (Cl⁻) (EPA Method 300.0), Total Dissolved Solids (TDS) (EPA Method SM2540C) and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) (EPA Method 8260).

The results of the analysis are as follows:

Lab ID	Sample ID	Cl ⁻ (mg/L)	Total Dissolved Solids (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl benzene (mg/L)	Total Xylenes (mg/L)
Groundwater Standards		250(mg/L)	1,000 (mg/L)	0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62(mg/L)
Analysis Date:-		11/08/10	11/05/10	11/05/10	11/05/10	11/05/10	11/08/10
101117-01	MW #1	38	820	<0.001	<0.001	<0.001	<0.002
Analysis Date:		1/20/11	1/21/11	1/20/11	1/20/11	1/20/11	1/20/11
1101568-01	MW #1	41	720	<0.001	<0.001	<0.001	<0.002
Analysis Date:		4/27/11	5/1/11	4/29/11	4/29/11	4/29/11	4/29/11
1104949-01	MW #1	38	540	<0.001	<0.001	<0.001	<0.002

As the result of the analysis, the sample for MW #1 does not exceed groundwater standards.

If you have any questions, please contact me at (575) 397-0510.

Sincerely,

Sergio Contreras
Operations Manager

FASKEN OIL AND RANCH, LTD.
303 WEST WALL AVENUE, SUITE 1800
MIDLAND, TEXAS 79701-5116
(432) 687-1777 Phone
(432) 687-1570 Fax

FAX TRANSMITTAL FORM

HOBBS OCD

MAY 03 2011

To: Geoff Leking

Company: NMOCD - Hobbs

RECEIVED

Date: May 2, 2011

Phone #: (575) 393-6161

Fax #: (575) 393-0720

Number of Pages (including cover): 2

Sent By: Jimmy D. Carlile
Regulatory Affairs Coordinator

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Geoff,

Mike Stubblefield with Talon requested I send you this C141 on the Denton Americo Spill remediation that we are trying to close. Mike will be calling you back shortly on this. I apologize for the poor copy. It's the best one we have in our files.

Jimmy D. Carlile

NORTH SIDE WALL

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MAY 02 2011

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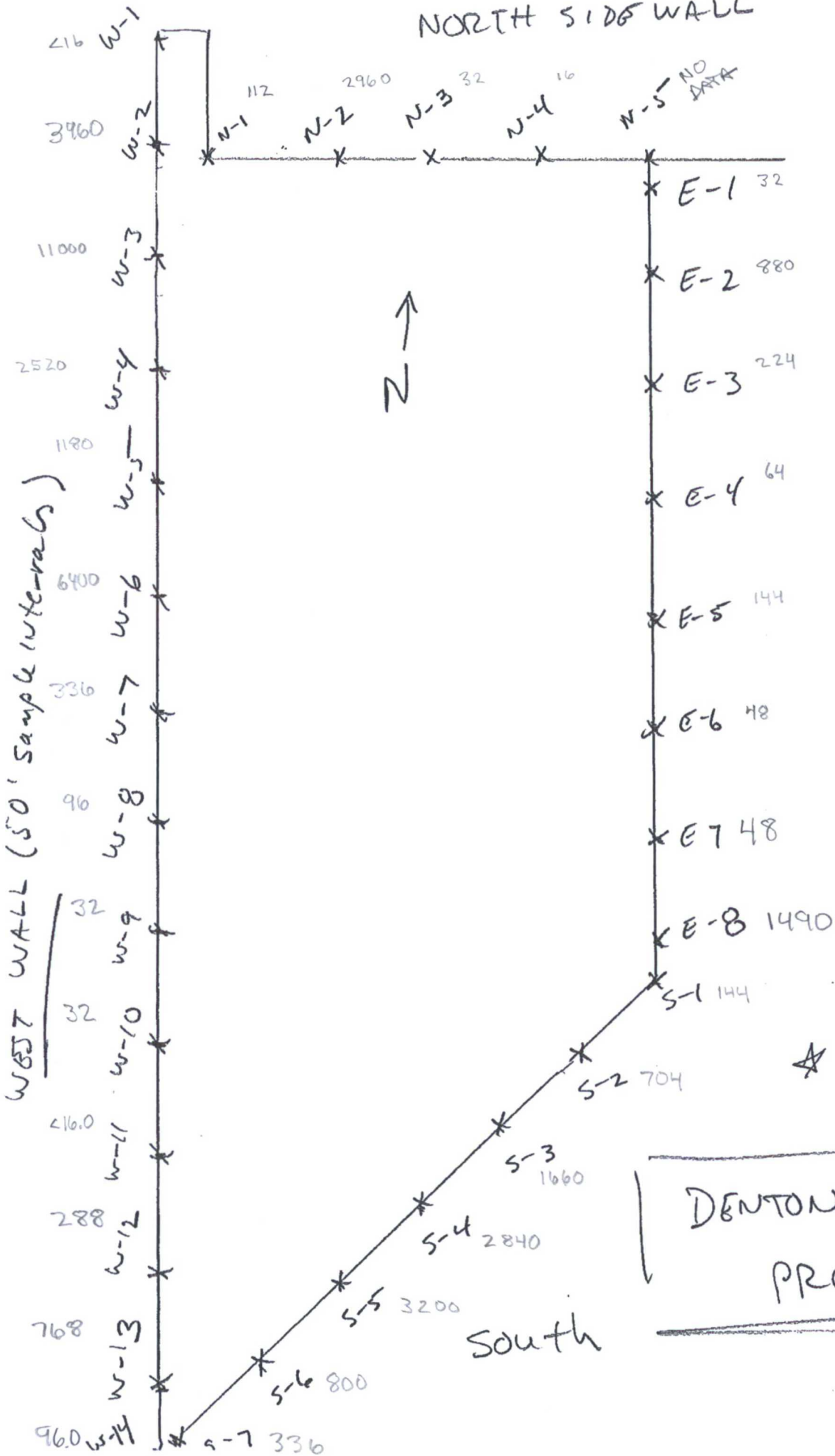
MAY 02 2011

RECEIVED

EAST

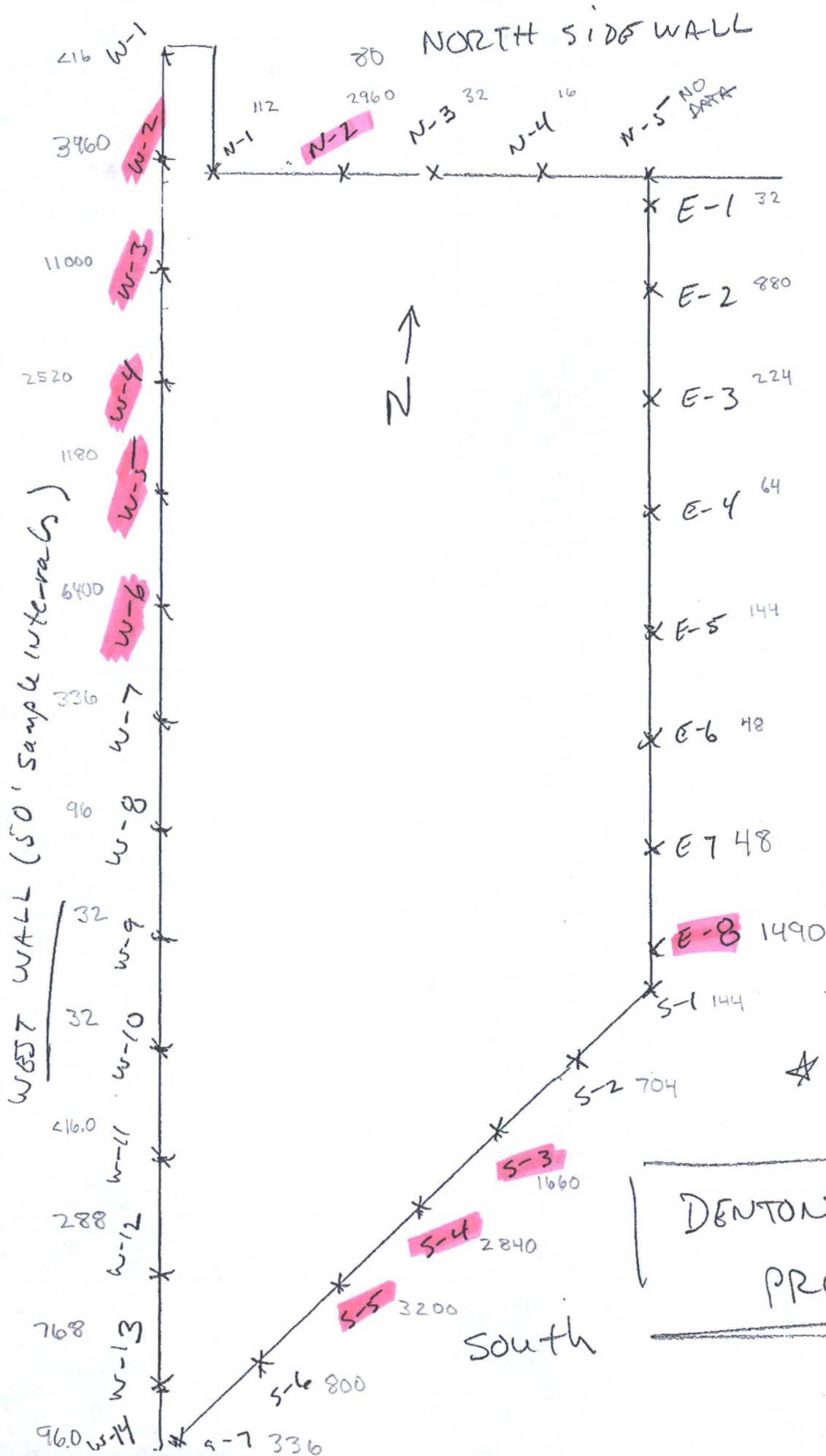
N ↑

WEST WALL (50' sample intervals)



★ Approx. SHAPE

DENTON MAINLINE
PROJECT



HOBBS OCD

MAY 02 2011

RECEIVED
HOBBS OCD

MAY 02 2011

RECEIVED
EAST

APR 29 2011



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

April 26, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DENTON MAINLINE

Enclosed are the results of analyses for samples received by the laboratory on 04/21/11 12:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: N - 1 (H100823-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/26/2011	ND	416	104	400	3.77		

Sample ID: N - 2 (H100823-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	04/26/2011	ND	416	104	400	3.77		

Sample ID: N - 3 (H100823-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/26/2011	ND	416	104	400	3.77	

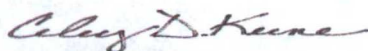
Sample ID: N - 4 (H100823-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/26/2011	ND	416	104	400	3.77		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: E - 1 (H100823-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/26/2011	ND	416	104	400	3.77	

Sample ID: E - 2 (H100823-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	04/26/2011	ND	416	104	400	3.77	

Sample ID: E - 3 (H100823-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: E - 4 (H100823-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: E - 5 (H100823-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/26/2011	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: E - 6 (H100823-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: E - 7 (H100823-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: E - 8 (H100823-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: S - 1 (H100823-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: S - 2 (H100823-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	04/26/2011	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S - 3 (H100823-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: S - 4 (H100823-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: S - 5 (H100823-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: S - 6 (H100823-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: S - 7 (H100823-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/26/2011	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: W - 1 (H100823-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 2 (H100823-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 3 (H100823-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: W - 4 (H100823-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: W - 5 (H100823-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	04/26/2011	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: W - 6 (H100823-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 7 (H100823-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 8 (H100823-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 9 (H100823-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 10 (H100823-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/26/2011	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/21/2011
Reported: 04/26/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/20/2011
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: W - 11 (H100823-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: W - 12 (H100823-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/26/2011	ND	432	108	400	0.00	

Sample ID: W - 13 (H100823-32)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	04/26/2011	ND	432	108	400	0.00		

Sample ID: W - 14 (H100823-33)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/26/2011	ND	432	108	400	0.00		

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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

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



1.4

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

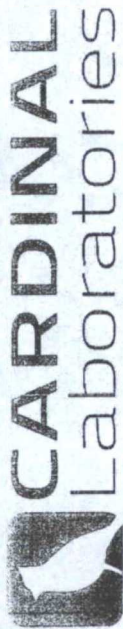
CA REIDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Maryland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2478

2-4

Company Name: Talon/LPE Project Manager: Mike Stubblefield Address: 408 W. Texas Ave. City: Artesia State: NM Zip: 88210 Phone #: 505-441-7254 Fax #: 505-246-9105 Project #: 701014.024.01 Project Owner: Fisker Oil & Gas Project Name: Denton Mainline Project Location: Sampler Name: me Stubblefield FOR USE ONLY:		BILL TO P.O. #: Company: Talon/LPE Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Lab I.D. Sample I.D.	Lab I.D. HID023-11-E-7 12-E-8 13-S-1 14-S-2 15-S-3 16-S-4 17-S-5 18-S-6 19-S-7 20-W-1	(G)RAB OR (G)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE/COOL: OTHER:	MATRIX: PRESERV: SAMPLING:	DATE: TIME:	Total Chlorides
PLEASE NOTE: Liability and Damages. Customer hereby and client's exclusive remedy for any claim arising out of or based on collection or use of the sample shall be limited to the amount paid by the client for the service. All claims, including those for negligence and any other cause whatsoever shall be caused subject to the limitation on recovery. Client shall not be permitted to sue the laboratory for any claim arising out of or based on collection or use of the sample. The laboratory shall not be liable for collection or use of the sample. The laboratory shall not be liable for collection or use of the sample. The laboratory shall not be liable for collection or use of the sample.		Chain of Custody:			
Relinquished By: me Stubblefield Received By: Jodi Jensen Date: 4/21/01 Time: 12:45 PM		Signature:			
Delivered By: (Circle One) Sampler: UPS - Box - Other:		Signature:			



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

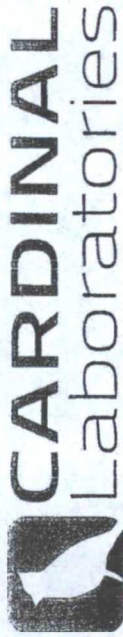
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

3-4

BILL TO		ANALYSIS REQUEST																							
Company Name: Talon LPE		P.O. #:																							
Project Manager: Mike Stofletfeld		Company: Talon LPE																							
Address: 408 W. Texas Ave		Attn:																							
City: Artesia		State: NM		Zip: 88210																					
Phone #: 505-441-7234		Fax #: 505-746-8405		Address:																					
Project #: 70014.024.01		Project Owner: Fasten On Ranch		City:																					
Project Name: Creston Main Line		State:		Zip:																					
Project Location:		Phone #:																							
Sampler Name: Mike Stofletfeld		Fax #:																							
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING																			
Lab I.D.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Total Chlorides	
		(G) RAB OR (C) OMP		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Total Chlorides			
H100873-21	W-2	G																		4/20/2011	10:54A				
22	W-3	G																		4/20/2011	10:56A				
23	W-4	G																		4/20/2011	10:58A				
24	W-5	G																		4/20/2011	11:00A				
25	W-6	G																		4/20/2011	11:02A				
26	W-7	G																		4/20/2011	11:04A				
27	W-8	G																		4/20/2011	11:06A				
28	W-9	G																		4/20/2011	11:10A				
29	W-10	G																		4/20/2011	11:12A				
30	W-11	G																		4/20/2011	11:14A				

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Relinquished By: <u>Mike Stofletfeld</u>	Date: <u>4/21/2011</u>	Received By: <u>Adie Benson</u>	Date: <u>4/21/2011</u>
Relinquished By: _____	Time: <u>12:41 PM</u>	Received By: _____	Time: _____
Delivered By: (Circle One)		Sample Condition	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Checked By: <u>Adie Benson</u>
		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	(Initials)



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4-4

BILL TO		ANALYSIS REQUEST									
Company Name: Talon/LPE		P.O. #:		Company: Talon/LPE							
Project Manager: Mike Stubblefield		Address: 408 W. Texas Ave.		Attn:							
City: Artesia		State: NM		Zip: 88210							
Phone #: 505-441-7254		Fax #: 505-746-8505		Address:							
Project #: 201014.024.01		Project Owner: Fastlane Oil & Ranch		City:							
Project Name: Denton Main Line		State:		Zip:							
Project Location:		Phone #:									
Sampler Name: Mike Stubblefield		Fax #:									
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING					
Lab I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SLUDGE	
Sample I.D.		OTHER: SOIL		OTHER: ACID/BASE		OTHER: ICE / COOL		OTHER:			
HIND823-31 W-12		✓		✓		✓		✓		DATE TIME	
32 W-13		✓		✓		✓		✓		4/22/01 11:18A	
33 W-14		✓		✓		✓		✓		4/20/01 11:27A	

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Relinquished By:	Date: 4/21/2011	Received By:	Date: 4/21/2011	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 12:45pm	Received By:	Time:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)			Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>	REMARKS:	
Sampler - UPS - Bus - Other:			23.5% Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

APR 29 2011



PHONE (575) 393-2311 • HOBBS, NM 88240

RECEIVED

April 28, 2011

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DENTON MAINLINE

Enclosed are the results of analyses for samples received by the laboratory on 04/28/11 12:48.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/28/2011
Reported: 04/28/2011
Project Name: DENTON MAINLINE
Project Number: 701014.024.01
Project Location: DENTON MAINLINE

Sampling Date: 04/28/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: N - 2 (H100880-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/28/2011	ND	432	108	400	0.00	

Sample ID: E - 8 (H100880-02)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/28/2011	ND	432	108	400	0.00	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

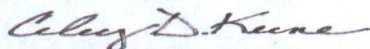
Notes and Definitions

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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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