



# 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:** pJXK1604133484

**1RP - 2778**

**CHAPARRAL ENERGY LLC**

2/10/2016

HOBBS OCD

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

MAY 11 2012

Form C-141  
Revised October 10, 2003

RECEIVED

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: Chaparral Energy LLC.	Contact: Derek Presely
Address: 701 Cedar Lake Blvd. Oklahoma City, OK 73114	Telephone No.: (405) 426-4091 X 1491
Facility Name: WDQSU #72	Facility Type: T/A oil well

Surface Owner: William Jarvis Grobe	Mineral Owner: Federal	Lease No.:
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## LOCATION OF RELEASE

API# 30-025-29964-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	30	24S	38E	150'	SOUTH	150'	EAST	LEA

Latitude: 32.1814801381465

Longitude: 103.09154955976

## NATURE OF RELEASE

Type of Release: oil & produce water	Volume of Release: 10bbls	Volume Recovered: 2bbls
Source of Release: deterioration of production casing (bell nipple) well has been T&A for approx. 1 year.	Date and Hour of Occurrence: 1-21-12 1:30pm	Date and Hour of Discovery: 1-21-12 1:30pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
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.\*

C1W @ 200'

Describe Cause of Problem and Remedial Action Taken.\*

Leak was caused by deterioration of production casing (bell nipple) threads between bell nipple & wellhead were leaking. Vacuum truck was used to recover fluids around well head, pulling unit scheduled to repair well.

Describe Area Affected and Cleanup Action Taken.\* leak area centralized around well head 6'L x 6'W, then ran sw on west side of pump jack base approx. 30'L x 4'W and formed another puddle approx. 30'L x 20'W

CLEAN UP ACTION: Earth Technologies of New Mexico contracted to delineate and setup cleanup plan for Chaparral

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

Signature:		OIL CONSERVATION DIVISION	
Printed Name: Derek Presely		ENV SPECIALIST: Approved by District Supervisor: <i>Charles L. King</i>	
Title: Safety Specialist	Approval Date: 1/25/12	Expiration Date: 3/26/12	
E-mail Address: derek.presely@chaparralenergy.com	Conditions of Approval: SUBMIT FINAL C-141 BY 3/26/12	Attached <input type="checkbox"/>	
Date: 1-24-12	Phone: (575) 396-3221	IRP-1-12-2778	

\* Attach Additional Sheets If Necessary

90 E P 3:06

RECEIVED



MAY 11 2012

**Earth Technologies of New Mexico Inc.**

(A Whole Environmental Inc. Company)

RECEIVED

ETNM PR-4

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**Remediation and Site Restoration Protocol  
Chaparral Energy Co. LLC.  
WDQSU #72 Leak  
1RP-2778**

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**1.0 Purpose**

This protocol is to provide a detailed outline of the steps to be employed in the remediation of a produce water & hydrocarbon release impact area on a location owned and operated by Chaparral Energy Co. identified as West Dollarhide Queen Sand Unit #72 (WDQSU #72) located approximately 7.14 miles Northeast of Jal, Lea County, New Mexico.

**2.0 Scope**

This protocol is site specific for the above project.

**3.0 Preliminary**

Prior to any field operations, Earth Technologies of New Mexico / Whole Earth Environmental (ETNM) shall conduct the following activities:

**3.1 Client Review**

3.1.1 ETNM shall meet with appointed personnel within Chaparral Energy Co. LLC. to review this protocol and make any requested modifications or alterations.

3.1.2 Changes to this protocol will be documented and submitted for final review by Chaparral Energy Co. LLC. prior to the initiation of actual fieldwork.

3.1.3 Upon client approval, this protocol and supporting documentation will be submitted to the Hobbs district office of the NMOCD for approval.

**4.0 Safety**

4.1 Prior to work on the site, ETNM / WEE shall obtain the location and phone numbers of the nearest emergency medical treatment facility. We will review all safety related issues with the appropriate Chaparral Energy LLC. personnel, sub-contractors and exchange phone numbers.

4.2 A tailgate safety meeting shall be held and documented each day. All sub-contractors must attend and sign the daily log-in sheet.

4.3 Anyone allowed on to location will be wearing standard PPE, and Fire Retardant Clothing or Coveralls. Each vehicle must be equipped with two way communication capabilities.

#### **5.0 Remediation Procedure**

5.1 The area impacted by the produce water and oil spill will be excavated to depth of 5' below ground surface. A 5pt composite of the excavation bottom will be pulled and sent to Cardinal Labs in Hobbs, NM for confirmation. A Geo-Synthetic Bentonite liner will be placed at the bottom of the excavation and backfilled using fresh clean backfill material from the landowner. The top twelve inches of the excavation will be backfilled using caliche from the landowner in order to maintain the pad location integrity. The excavated material will be transported to Prabo Disposal Facility near Eunice, NM for disposal.

#### **6.0 Site Restoration Procedure**

6.1 The site will backfilled and compacted with fresh clean soil, caliche and re-contoured to match the surrounding elevation.

#### **7.0 Closure Report**

At the conclusion of the project, ETNM shall prepare a closure report which contains the following minimum information:

- Photographs of the location prior to remediation
- Photographs of the excavation at the point of maximum soil removal
- Photographs of the location at time of final closure
- Lab results
- Field CL- titration results
- Disposal record of all manifest ticket numbers, volume amount of load, and date of disposal
- Copies of this protocol and all testing procedures



MAY 11 2012

**Earth Technologies of New Mexico Inc. RECEIVED**  
(A Whole Environmental Inc. Company)

ETNM PR-4

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Chaparral Energy Co. LLC.  
WDQSU #72 Leak  
1RP-2778**

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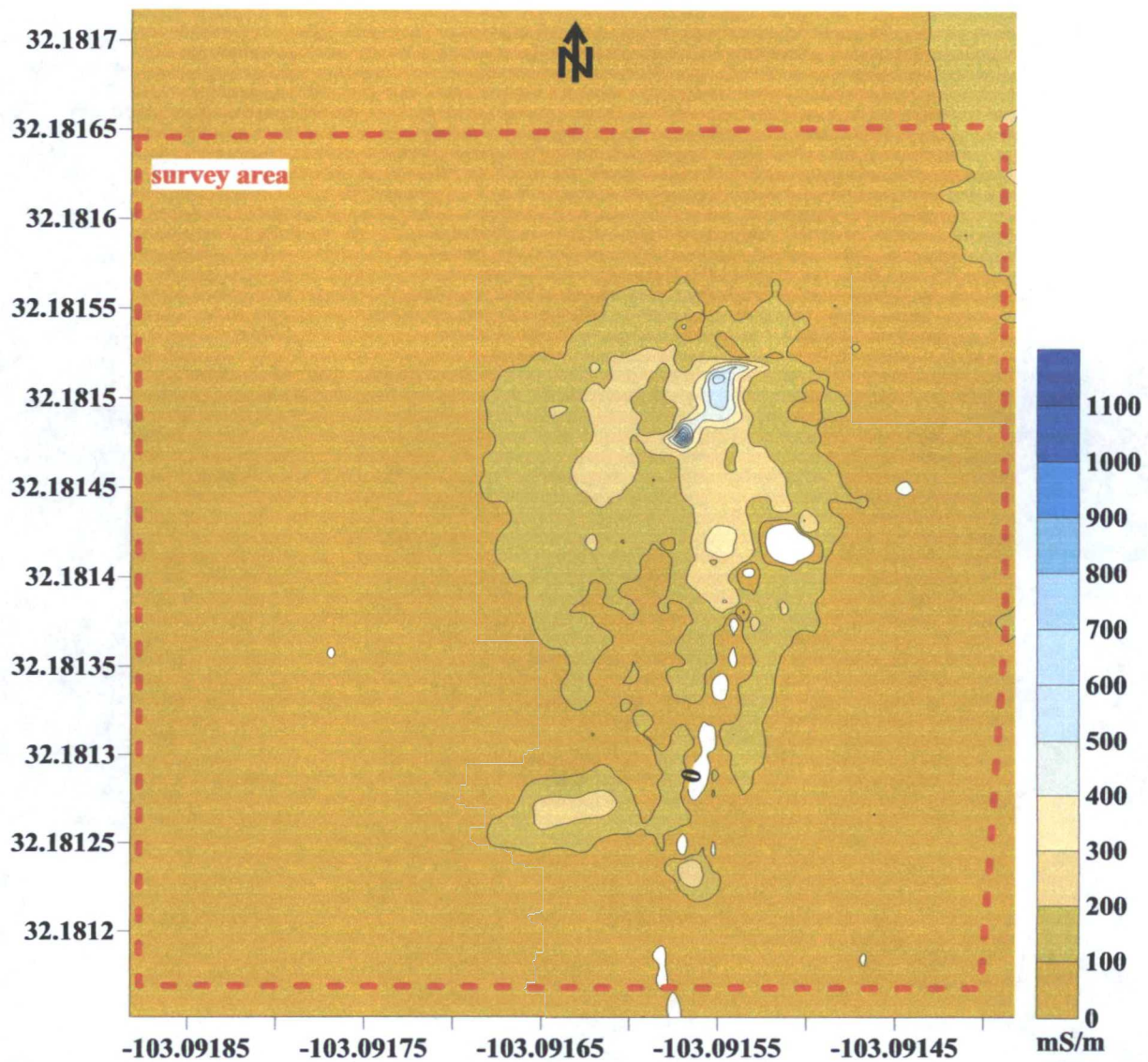
- Photographs of the location prior to remediation
- Photographs of the excavation at the point of maximum soil removal
- Photographs of the location at time of final closure
- Lab results
- Field CL- titration results
- Disposal record of all manifest ticket numbers, volume amount of load, and date of disposal
- Copies of this protocol and all testing procedures



LOCATION: CHAPARRAL WDQSU #72

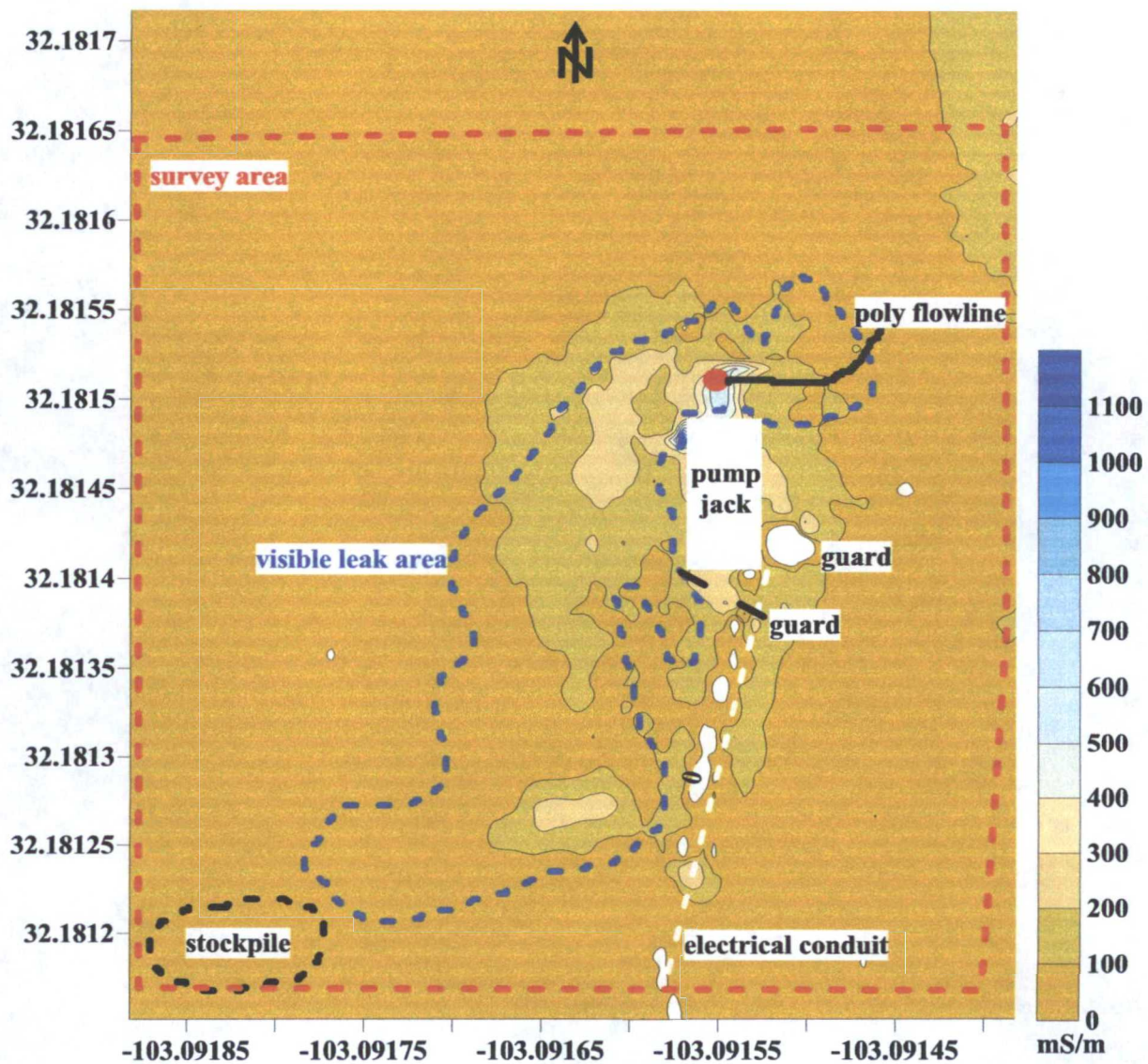
## LAB RESULTS

CHAPARRAL ENERGY LLC.  
WDQSU #72  
UL/P SEC 30 - T24S - R38E  
API3 30-025-29964  
GPS LAT & LON WGS84  
N32.1814801381465 / W103.09154955976  
2-4-12 EM38 Vertical Survey

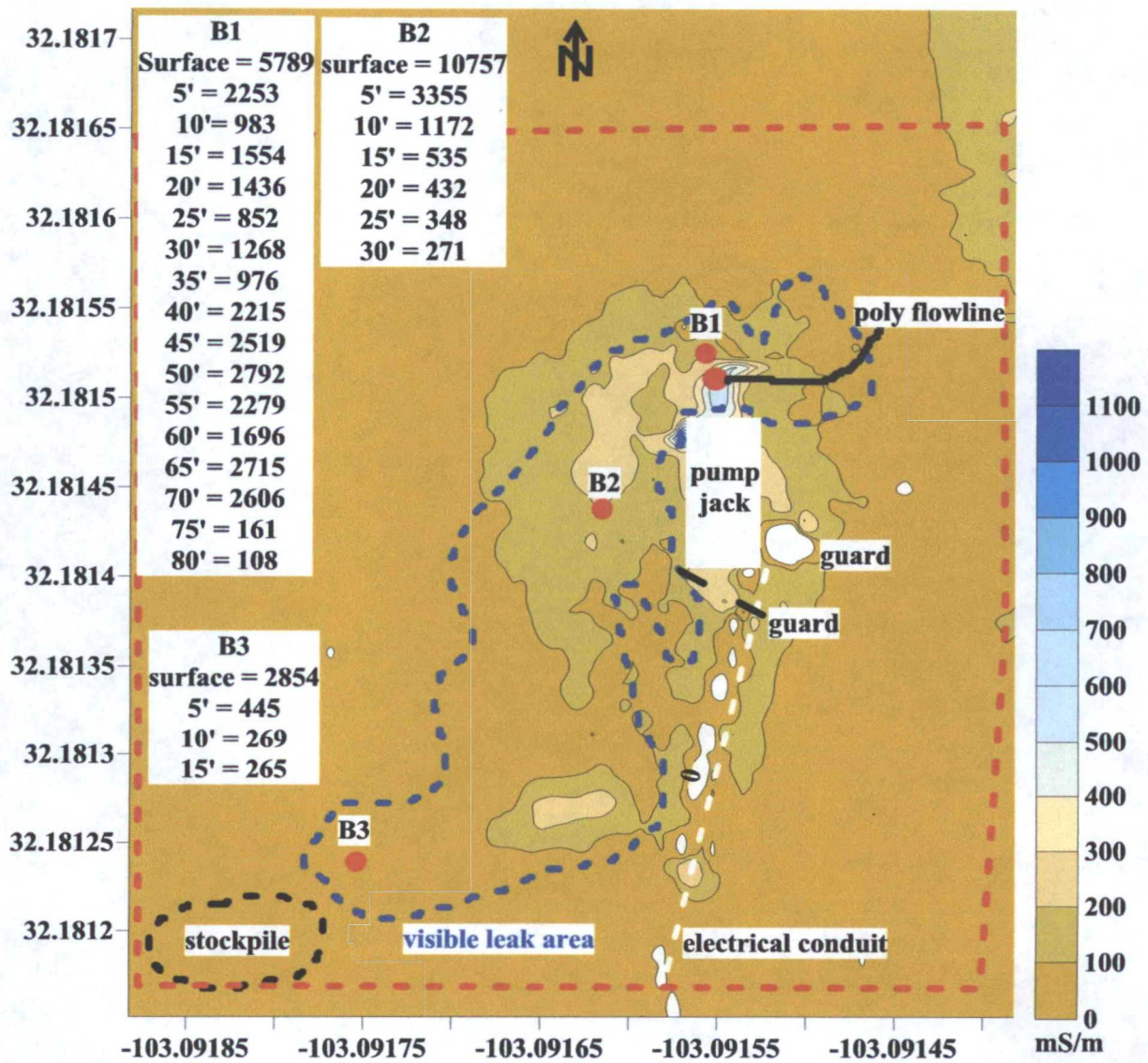




CHAPARRAL ENERGY LLC.  
WDQSU #72  
UL/P SEC 30 - T24S - R38E  
API3 30-025-29964  
GPS LAT & LON WGS84  
N32.1814801381465 / W103.09154955976  
2-14-12 EM38 SURVEY SITE MAP



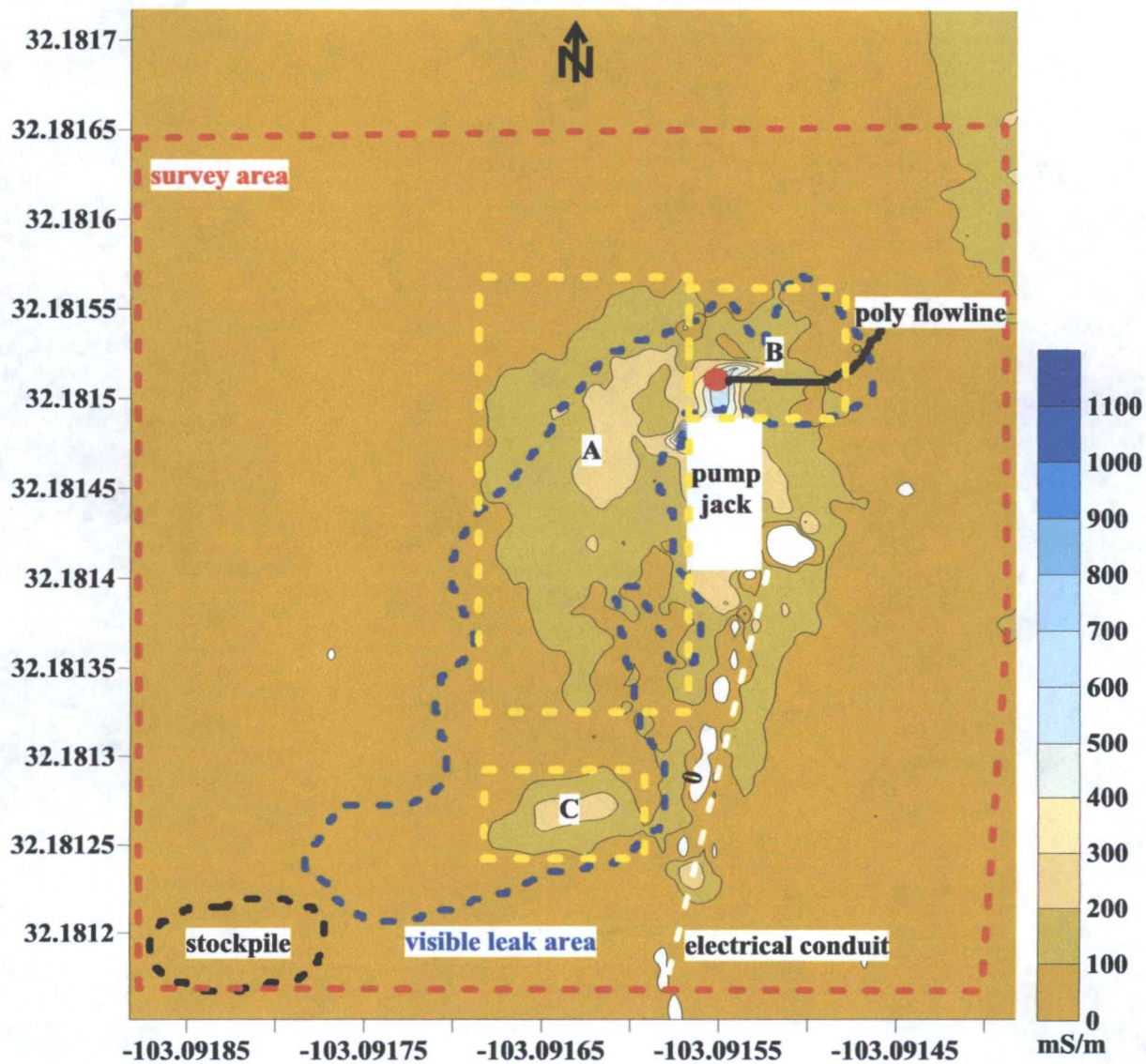
CHAPARRAL ENERGY LLC.  
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API3 30-025-29964  
GPS LAT & LON WGS84  
N32.1814801381465 / W103.09154955976  
2-14-12 EM38 SURVEY  
BORE SITES AND RESULTS





CHAPARRAL ENERGY LLC.  
WDQSU #72  
UL/P SEC 30 - T24S - R38E  
API3 30-025-29964  
GPS LAT & LON WGS84  
N32.1814801381465 / W103.09154955976

Excavation areas  
A = 88'L x 37'W x 5'D = 603cyds  
B = 27'L x 27'W x 5'D = 135cyds  
C = 27'L x 19'W x 5'D = 95cyds  
Total CYDS 833  
Total Liner 2 rolls



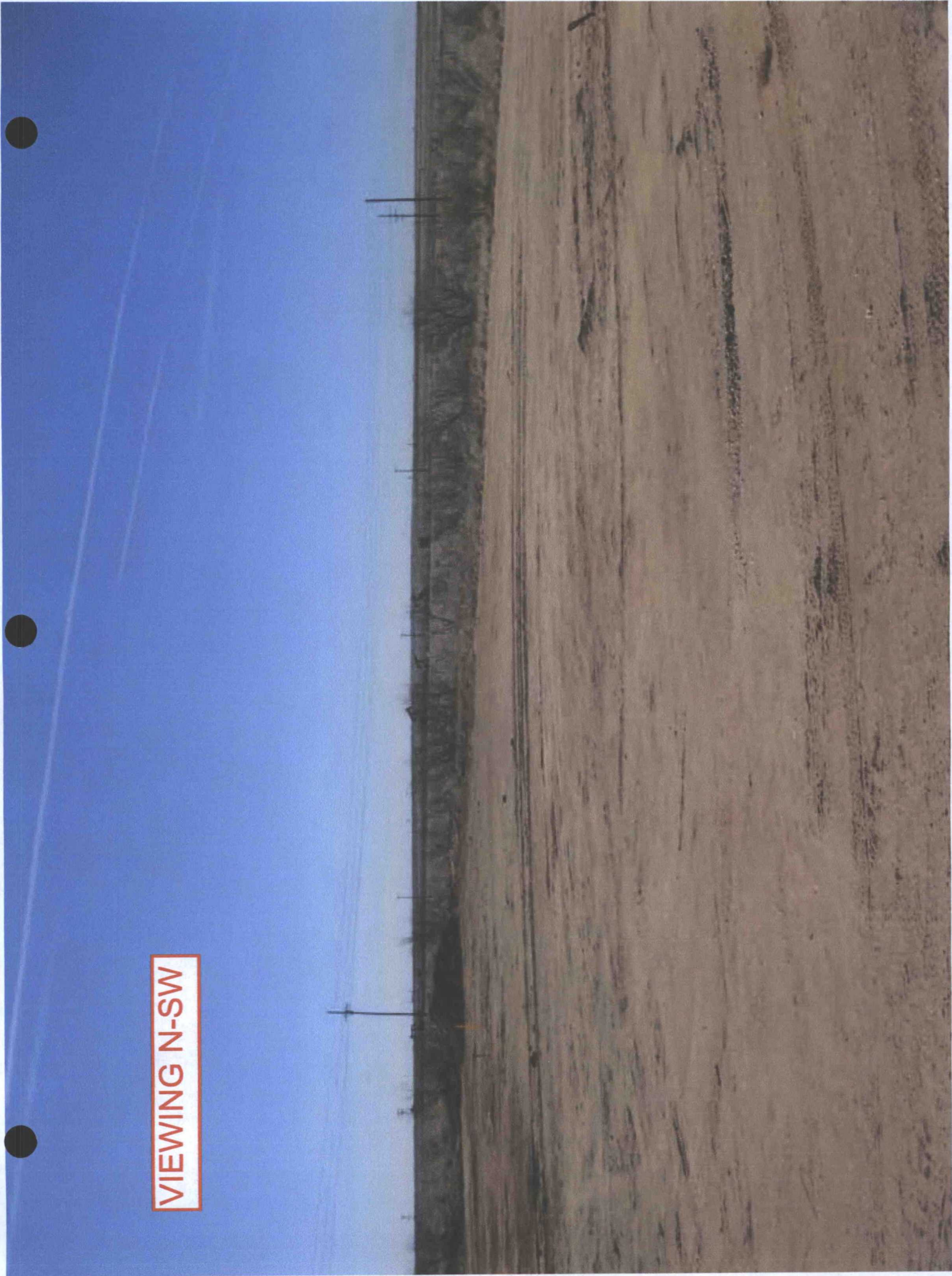


VIEWING LEAK AREA  
RED OUTLINE FROM N-S





VIEWING N-SW





VIEW FROM TOP  
OF PUMPJACK  
TO ENE



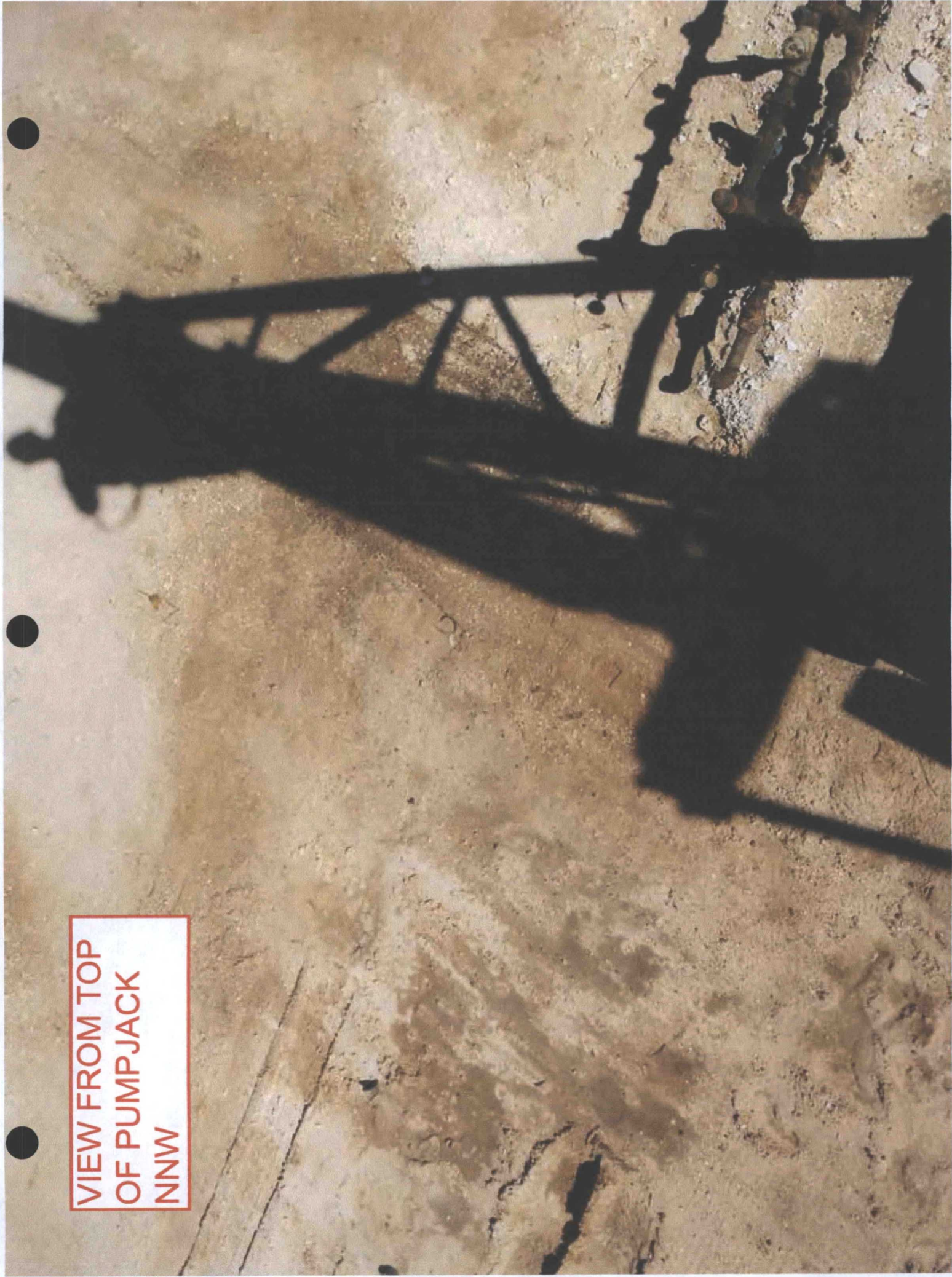


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VIEW FROM TOP  
OF PUMPJACK  
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A photograph showing a close-up of a sandy, textured ground surface. A dark, curved object, possibly a pipe or a piece of machinery, runs diagonally across the frame from the bottom left towards the top right. The sand is light brown and shows various small indentations and cracks. In the upper left corner, there are three black circular marks, likely punch holes in a document.

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VIEW FROM TOP  
OF PUMPJACK  
EXTENDED VIEW  
WEST

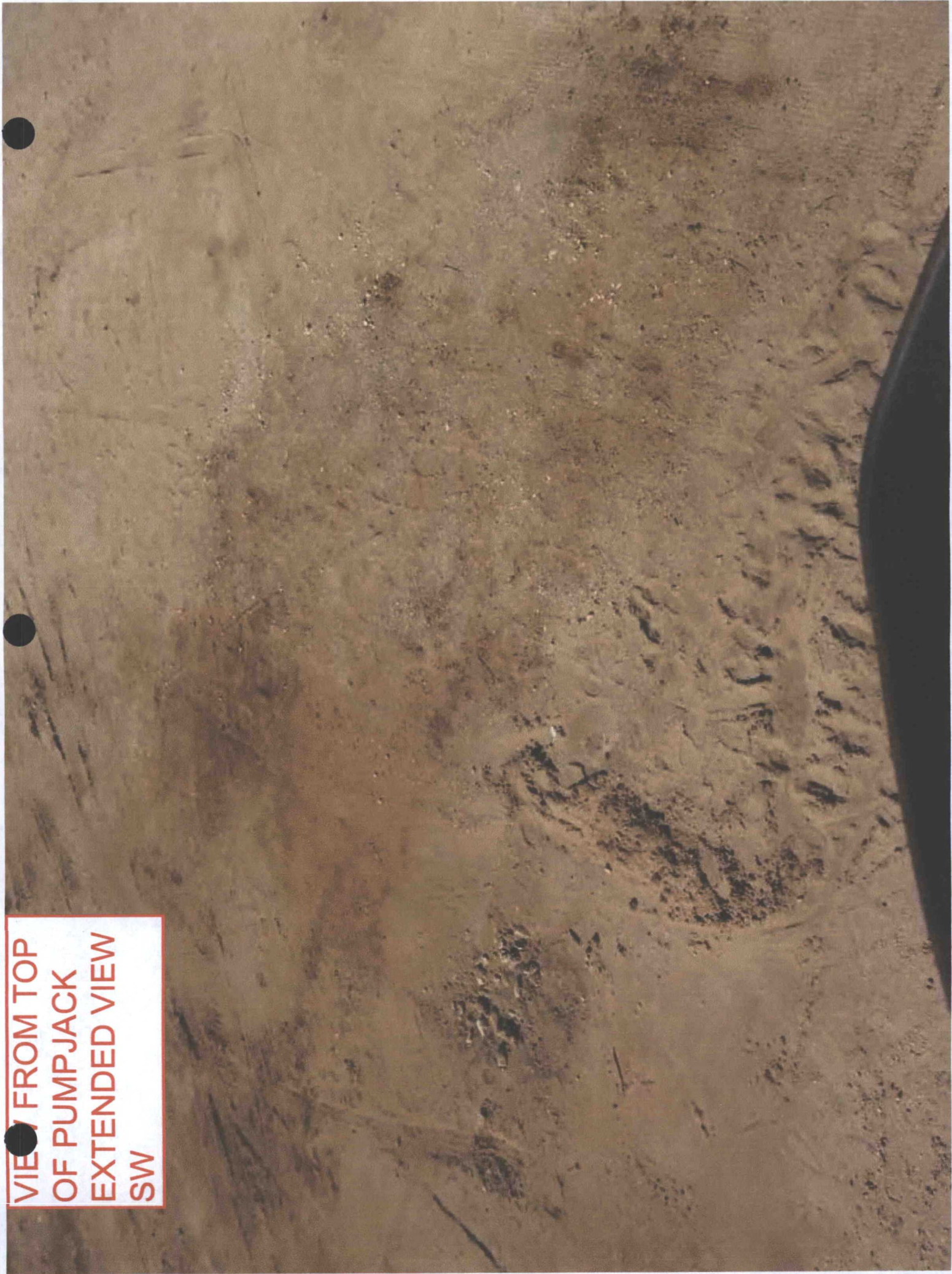


VIEW FROM TOP  
OF PUMPJACK  
SW





VIEW FROM TOP  
OF PUMPJACK  
EXTENDED VIEW  
SW



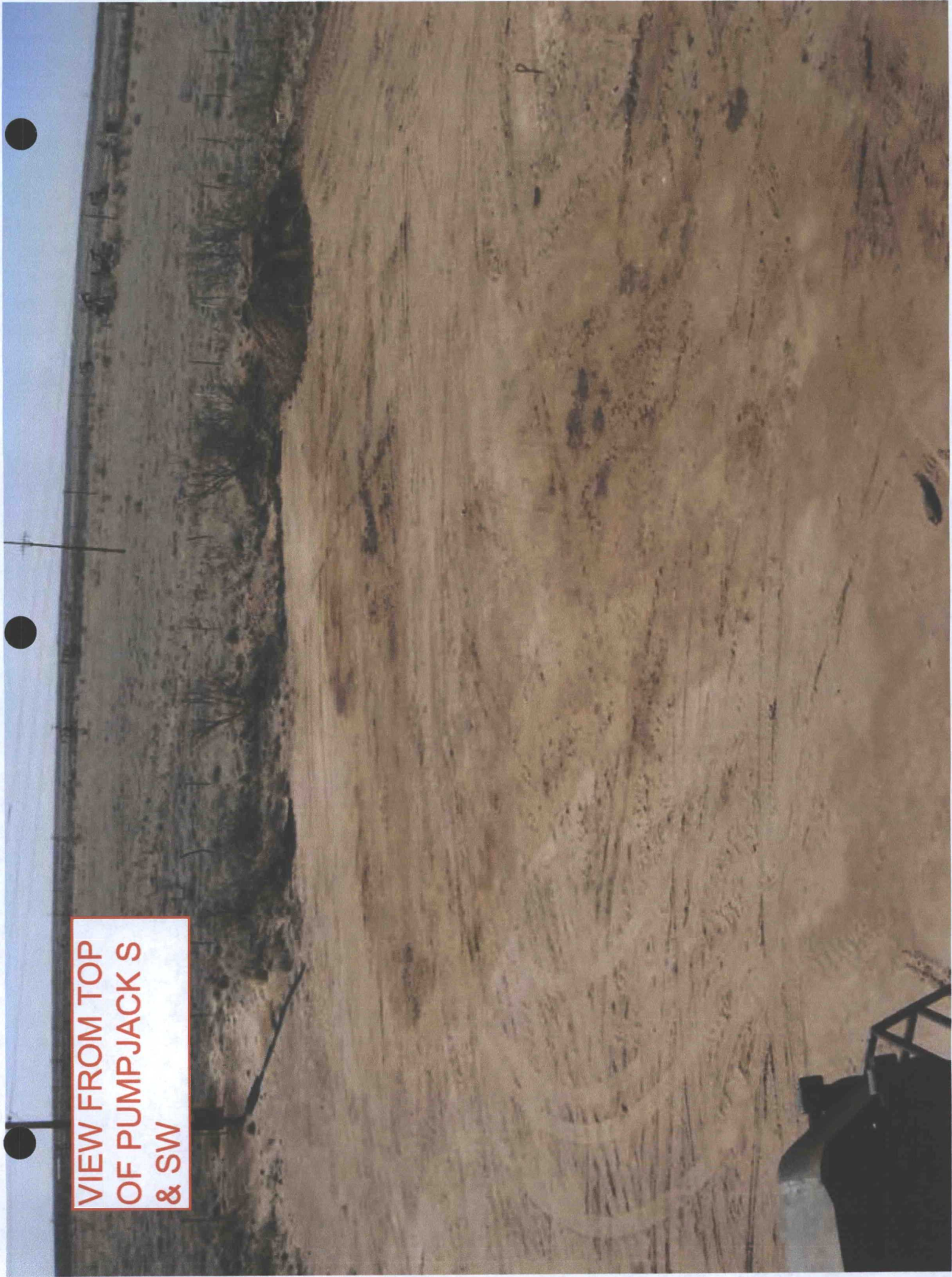


VIEW FROM TOP  
OF PUMPJACK  
SW





VIEW FROM TOP  
OF PUMPJACK S  
& SW









February 22, 2012

ROY RASCON

EARTH TECHNOLOGIES OF NEW MEXICO

904 WEST HUMBLE

HOBBS, NM 88240

RE: CHAPARRAL WDQSU #72

Enclosed are the results of analyses for samples received by the laboratory on 02/17/12 15:02.

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:**

 EARTH TECHNOLOGIES OF NEW MEXICO  
 ROY RASCON  
 904 WEST HUMBLE  
 HOBBS NM, 88240  
 Fax To: NONE

 Received: 02/17/2012  
 Reported: 02/22/2012  
 Project Name: CHAPARRAL WDQSU #72  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 02/16/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: B 1 @ SURFACE (H200443-01)**

Chloride, SM4500Cl-B			mg/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	02/21/2012	ND	400	100	400	3.92		
TPH 8015M			mg/kg Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	335	100	02/21/2012	ND	228	114	200	18.3		
DRO >C10-C28	7710	100	02/21/2012	ND	221	110	200	12.6		

 Surrogate: 1-Chlorooctane 110 % 55.5-154  
 Surrogate: 1-Chlorooctadecane 105 % 57.6-158

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 02/17/2012  
Reported: 02/22/2012  
Project Name: CHAPARRAL WDQSU #72  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/16/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B 1 @ 30' (H200443-02)**

BTEX 8021B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/22/2012	ND	1.76	87.9	2.00	5.15		
Toluene*	<0.050	0.050	02/22/2012	ND	1.91	95.6	2.00	4.87		
Ethylbenzene*	<0.050	0.050	02/22/2012	ND	1.97	98.6	2.00	3.43		
Total Xylenes*	<0.150	0.150	02/22/2012	ND	6.17	103	6.00	3.45		

Surrogate: 4-Bromofluorobenzene (PII) 108 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	02/21/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2012	ND	228	114	200	18.3	
DRO >C10-C28	<10.0	10.0	02/21/2012	ND	221	110	200	12.6	

Surrogate: 1-Chlorooctane 100 % 55.5-154

Surrogate: 1-Chlorooctadecane 99.1 % 57.6-158

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 02/17/2012  
Reported: 02/22/2012  
Project Name: CHAPARRAL WDQSU #72  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/16/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B 2 @ SURFACE (H200443-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	02/21/2012	ND	400	100	400	3.92		
TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	508	50.0	02/21/2012	ND	228	114	200	18.3		
DRO >C10-C28	1230	50.0	02/21/2012	ND	221	110	200	12.6		

Surrogate: 1-Chlorooctane 115 % 55.5-154  
Surrogate: 1-Chlorooctadecane 113 % 57.6-158

**Sample ID: B 2 @ 30' (H200443-04)**

Chloride, SM4500Cl-B			mg/kg Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/21/2012	ND	400	100	400	3.92		
TPH 8015M			mg/kg Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/21/2012	ND	228	114	200	18.3		
DRO >C10-C28	<10.0	10.0	02/21/2012	ND	221	110	200	12.6		

Surrogate: 1-Chlorooctane 104 % 55.5-154  
Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 02/17/2012  
Reported: 02/22/2012  
Project Name: CHAPARRAL WDQSU #72  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 02/16/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B 3 @ SURFACE (H200443-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	02/21/2012	ND	400	100	400	3.92	

**Sample ID: B 3 @ 15' (H200443-06)**

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	02/21/2012	ND	400	100	400	3.92	

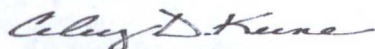
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2012	ND	228	114	200	18.3	
DRO >C10-C28	<10.0	10.0	02/21/2012	ND	221	110	200	12.6	

Surrogate: 1-Chlorooctane 123 % 55.5-154  
Surrogate: 1-Chlorooctadecane 136 % 57.6-158

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

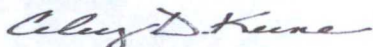
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> <u>Cardinal</u> <b>Project Manager:</b> <u>Roy Kason</u>		<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b>	
<b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b>		<b>Project #:</b> <b>Project Owner:</b> <b>Project Location:</b>	
<b>Phone #:</b> <b>Fax #:</b>		<b>State:</b> <b>Zip:</b>	
<b>Project Name:</b> <u>Cardinal 601514</u>		<b>State:</b> <b>Zip:</b>	
<b>Project Location:</b>		<b>State:</b> <b>Zip:</b>	
<b>Sampler Name:</b> <u>E. Kason</u>		<b>Phone #:</b> <b>Fax #:</b>	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CI-	801514	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
H00042	B1 @ Surface		1			X				2-11-12	855	X		
	B1 @ 30'													
	B2 @ Surface													
	B2 @ 30'													
	B3 @ Surface													
	B3 @ 15'													

<b>Delivered By: (Circle One)</b> UPS - Bus - Other:		<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials)	
<b>Relinquished By:</b>		<b>Received By:</b>		<b>REMARKS:</b>	



April 16, 2012

ROY RASCON

EARTH TECHNOLOGIES OF NEW MEXICO

904 WEST HUMBLE

HOBBS, NM 88240

RE: CWDQSU #72

Enclosed are the results of analyses for samples received by the laboratory on 04/13/12 14:17.

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:**

EARTH TECHNOLOGIES OF NEW MEXICO  
ROY RASCON  
904 WEST HUMBLE  
HOBBS NM, 88240  
Fax To: NONE

Received: 04/13/2012  
Reported: 04/16/2012  
Project Name: CWDQSU #72  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 04/03/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: B 1 @ 80' (H200861-01)**

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2012	ND	2.08	104	2.00	2.80	
Toluene*	<0.050	0.050	04/16/2012	ND	2.15	108	2.00	2.84	
Ethylbenzene*	<0.050	0.050	04/16/2012	ND	2.14	107	2.00	2.99	
Total Xylenes*	<0.150	0.150	04/16/2012	ND	6.61	110	6.00	2.53	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

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	04/16/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/14/2012	ND	190	95.0	200	2.55	
DRO >C10-C28	<10.0	10.0	04/14/2012	ND	211	105	200	11.8	

Surrogate: 1-Chlorooctane 93.9 % 55.5-154

Surrogate: 1-Chlorooctadecane 95.4 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

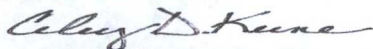
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
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Celey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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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