



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

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

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

RECEIVED

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.:
-------------------------------------	------------------------	------------

API# 30-025-29964-00-00

LOCATION OF RELEASE

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

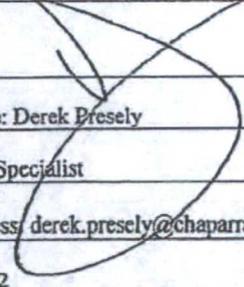
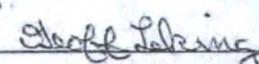
Type of Release: oil & produce water	Volume of Release: 10bbls	Volume Recovered: 2bbls
Source of Release: deterioration of production casing (bell nipple) well has been T&A for approx. 1 year.	Date and Hour of Occurrence: 1-21-12 1:30pm	Date and Hour of Discovery: 1-21-12 1:30pm
Was Immediate Notice 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.*
CWA @ 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: 	
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	
Date: 1-24-12	Phone: (575) 396-3221	C-141 BY 3/26/12	Attached <input type="checkbox"/> IRP-1-12-2778

* Attach Additional Sheets If Necessary

2012 JAN 25 P 3:06

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MAY 11 2012

Earth Technologies of New Mexico Inc.

(A Whole Environmental Inc. Company)

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ETNM PR-4

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

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 7.14miles 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)

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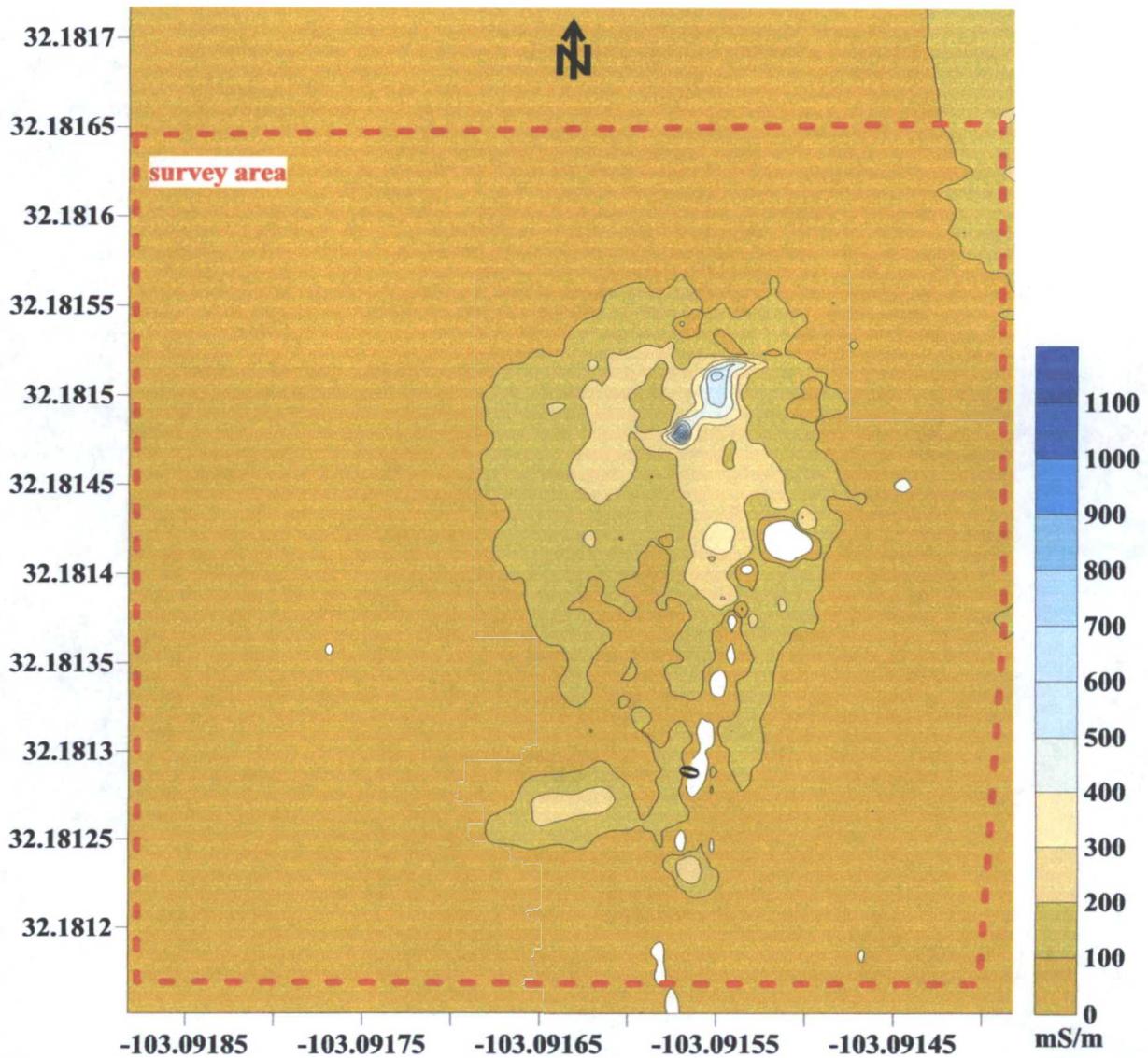
EARTH TECHNOLOGIES OF NEW MEXICO

CL- FIELD TITRATION, PID RESULTS

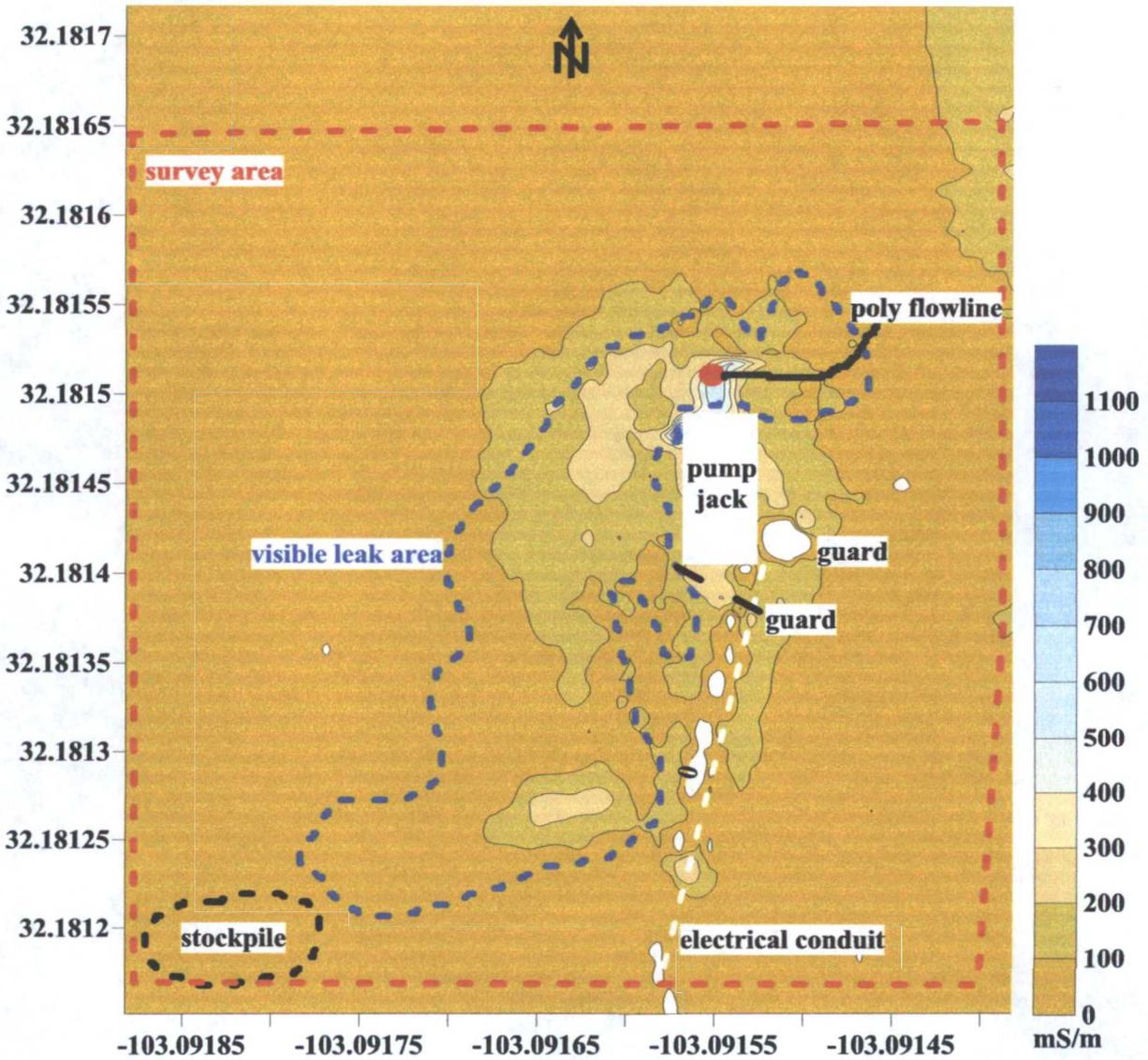
LOCATION: CHAPARRAL WQSU #72

Sample pt.	TIME	DEPTH	SOIL	WATER	CF	AGNO3	CL-	PID	SOIL LITHOLOGY	LAB RESULTS							
										B	T	E	X	CL-	GRO	DRO	
2-16-12 Bore 1 source	855	Surface	10.3	23.3	2.26	1.28	5789	25.6	7.5YR-4/2 brown rocky sandy sand dry						7200	335	7710
	905	5'	10.7	27.4	2.56	0.44	2253	4.3	7.5YR-4/2 brown sandy sand damp								
	914	10'	10.5	25.8	2.46	0.2	983	4.3	5YR-6/4 light reddish brown sandy sand damp								
	925	15'	10	26.8	2.68	0.29	1554	3.2	5YR-6/4 light reddish brown sandy sand damp								
	937	20'	10.6	28.2	2.66	0.27	1436	2.8	5YR-6/4 light reddish brown sandy sand damp								
	951	25'	10	28.4	2.84	0.15	852	3.0	5YR-6/4 light reddish brown sandy sand damp								
1009	30'	10.3	29.7	2.88	0.22	1268	2.4	5YR-6/4 light reddish brown sandy sand damp	<0.050	<0.050	<0.050	<0.150	672	<10.0	<10.0	<10.0	
re-insert in same bore if possible and continue to clean =1 in 5' increments																	
4-3-12 Bore 1 source	1035	35'	10.9	26.6	2.44	0.2	976	2.3	2.5YR-6/4 light reddish brown sandy sand damp								
	1052	40'	10	27.7	2.77	0.4	2215	2.3	2.5YR-6/4 light reddish brown sandy sand damp								
	1108	45'	10	28	2.80	0.45	2519	2.4	2.5YR-6/4 light reddish brown sandy sand damp								
	1126	50'	10.2	25.9	2.54	0.55	2792	2.4	2.5YR-6/6 light red sandy sand damp								
	1140	55'	10.4	30.4	2.92	0.39	2279	2.2	2.5YR-6/6 light red sandy sand damp								
	1153	60'	10.1	30.6	3.03	0.28	1696	2.0	2.5YR-4/6 red sandy sand damp								
	1205	65'	10.4	32.1	3.09	0.44	2715	2.2	2.5YR-4/6 red sandy sand damp								
	1226	70'	10.6	30	2.83	0.46	2603	2.0	2.5YR-4/4 reddish brown sandy sand clay damp								
	1255	75'	10.1	27.1	2.68	0.03	161	1.8	2.5YR-4/4 reddish brown sandy sand clay damp								
	120	80'	10.2	27.5	2.70	0.02	108	1.7	2.5YR-4/4 reddish brown sandy sand clay damp	<0.050	<0.050	<0.050	<0.150	32	<10.0	<10.0	<10.0
2-16-12 Bore 2	1224	Surface	10.7	26.9	2.51	2.14	10757	8.3	7.5YR-3/2 dark brown rocky sandy sand damp					11200	508	1230	
	1244	5'	10.3	25.8	2.50	0.67	3355	2.9	5YR-6/4 light reddish brown sandy sand damp								
	1257	10'	10	29.3	2.93	0.2	1172	2.7	5YR-6/4 light reddish brown sandy sand damp								
	124	15'	10.2	27.3	2.68	0.1	535	2.7	5YR-6/4 light reddish brown sandy sand damp								
	136	20'	10.8	25.9	2.40	0.09	432	2.2	5YR-6/4 light reddish brown sandy sand damp								
	150	25'	10.5	26.1	2.49	0.07	348	1.8	5YR-6/4 light reddish brown sandy sand damp								
	205	30'	10.4	28.2	2.71	0.05	271	2.0	5YR-6/4 light reddish brown sandy sand damp					304	<10.0	<10.0	
	243	Surface	10.1	27.2	2.69	0.53	2854	2.3	5YR-3/2 dark reddish brown rocky sandy sand damp					3200			
2-16-12 Bore 3	249	5'	11	24.5	2.23	0.1	445	1.7	5YR-6/4 light reddish brown sandy sand damp								
	258	10'	11	24.7	2.25	0.06	269	1.9	5YR-6/4 light reddish brown sandy sand damp								
	306	15'	10.5	27.8	2.65	0.05	265	1.7	5YR-6/4 light reddish brown sandy sand damp					224	<10.0	<10.0	

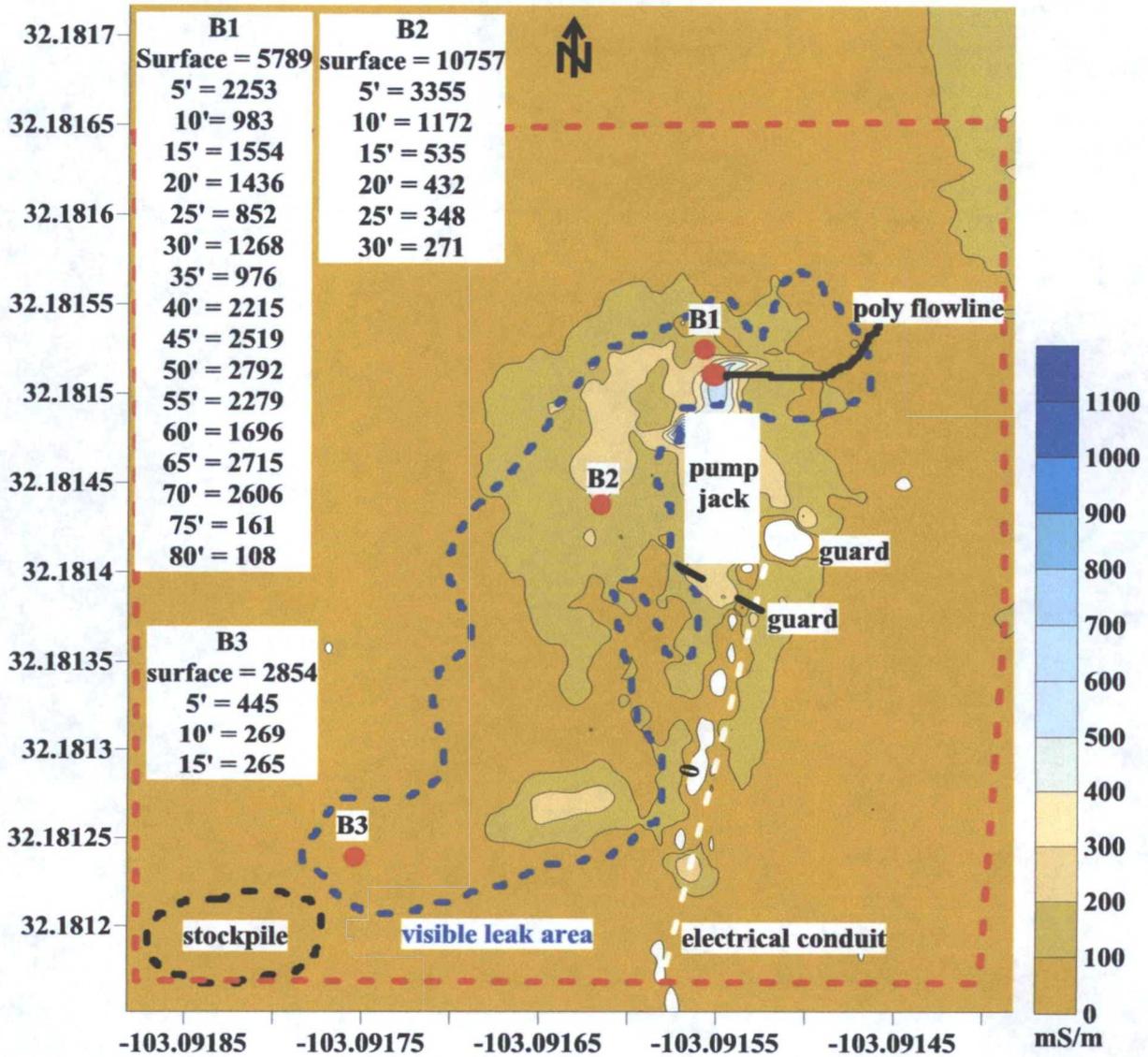
CHAPARRAL ENERGY LLC.
WDQSU #72
UL/P SEC 30 - T24S - R38E
API3 30-025-29964
GPS LAT & LON WGS84
N32.1814801381465 / W103.09154955976
2-4-12 EM38 Vertical Survey



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

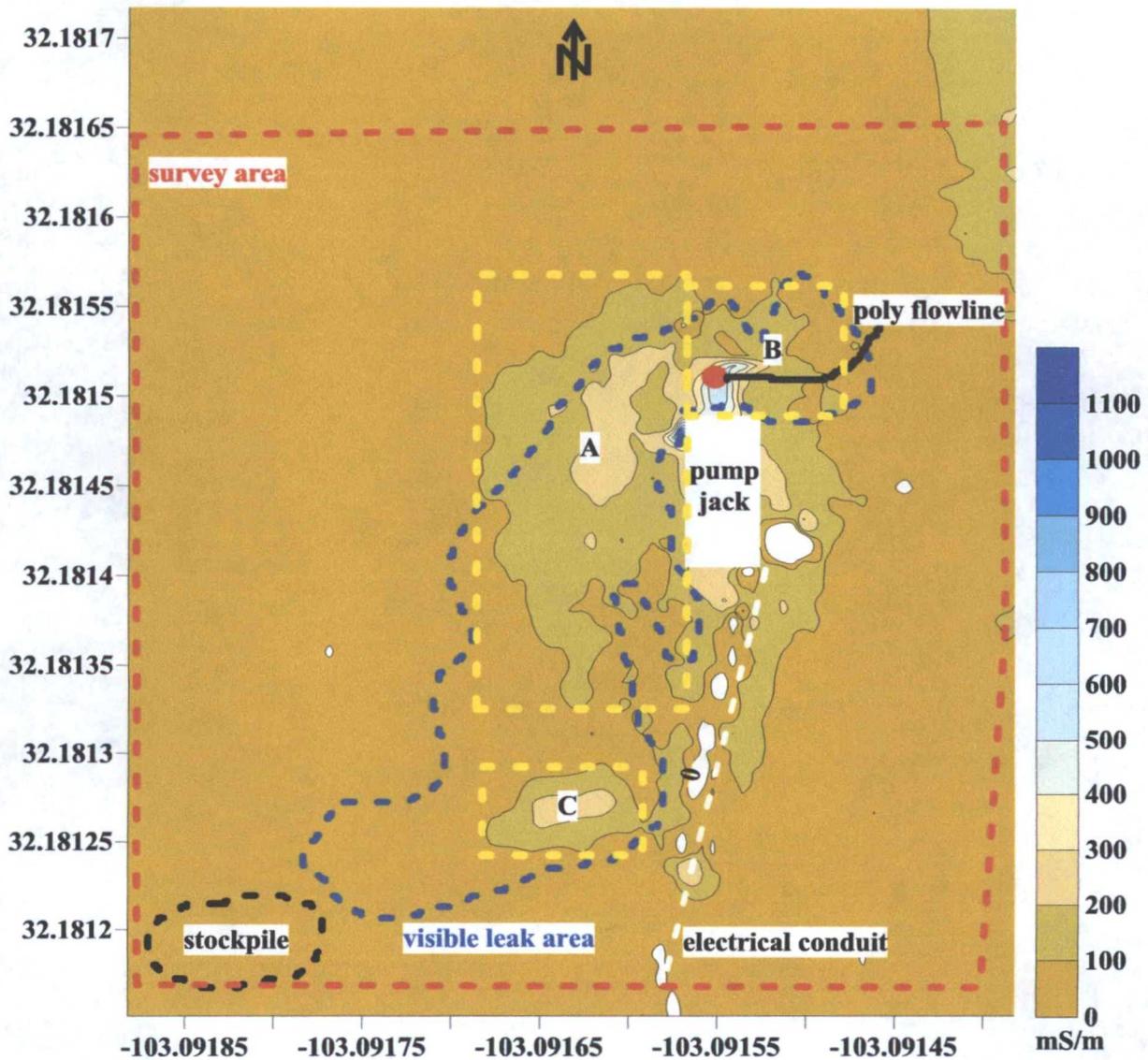


CHAPARRAL ENERGY LLC.
WDQSU #72
UL/P SEC 30 - T24S - R38E
API3 30-025-29964
GPS LAT & LON WGS84
N32.1814801381465 / W103.09154955976
2-14-12 EM38 SURVEY
BORE SITES AND RESULTS



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

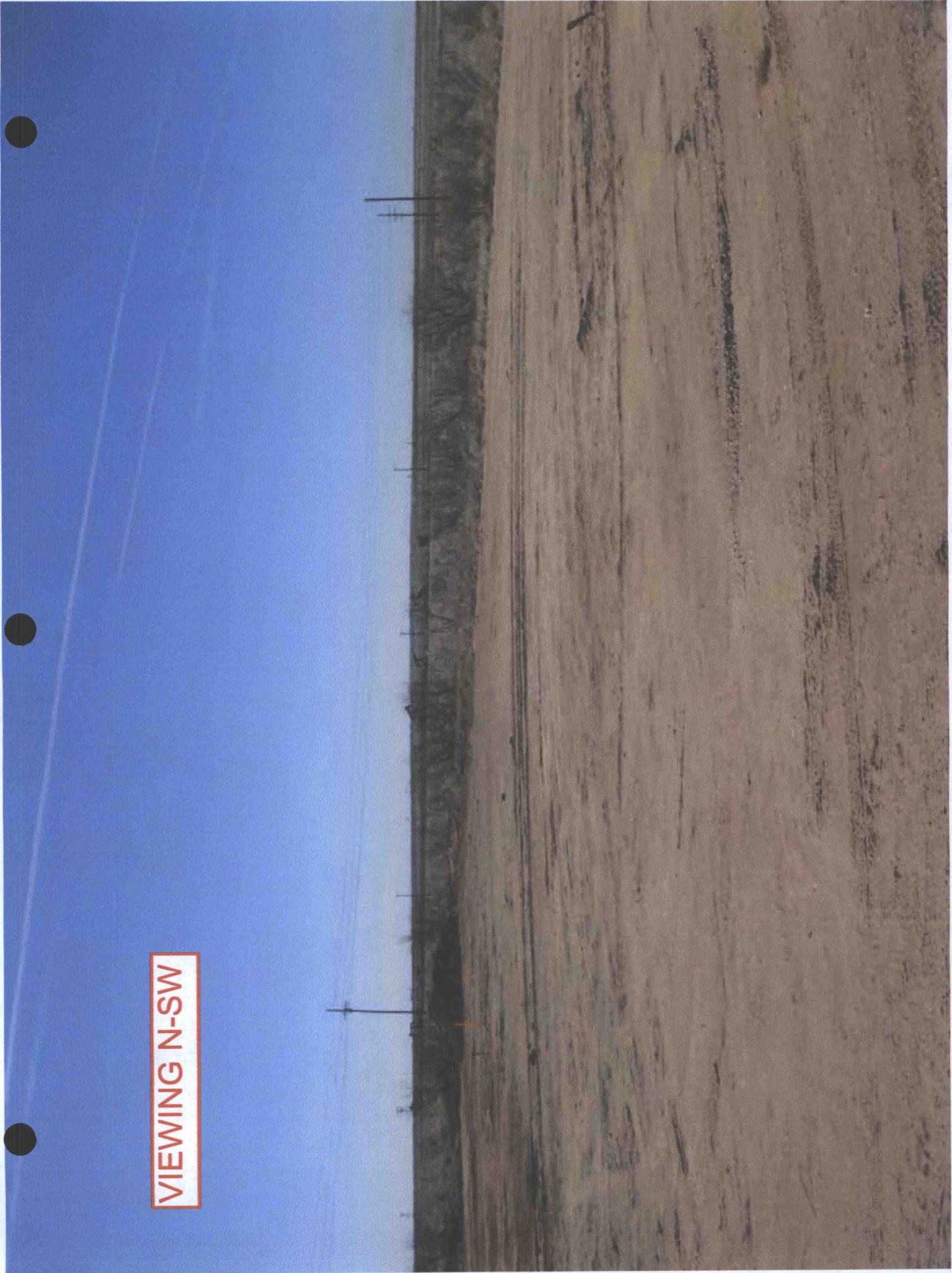
Excavation areas
A = 88'L x 37'W x 5'D = 603cyds
B = 27'L x 27'W x 5'D = 135cyds
C = 27'L x 19'W x 5'D = 95cyds
Total CYDS 833
Total Liner 2 rolls



VIEWING LEAK AREA
RED OUTLINE FROM N-S



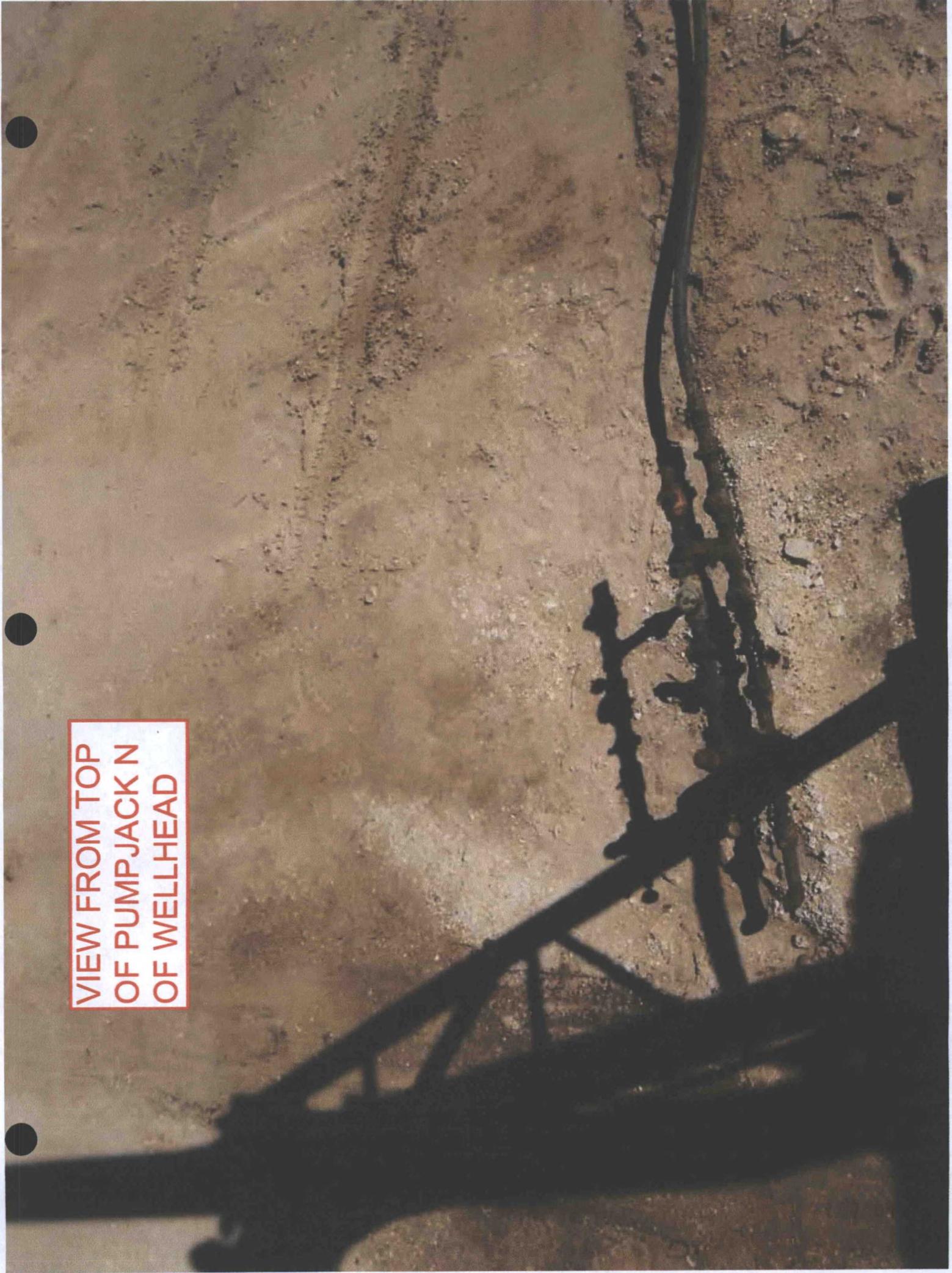
VIEWING N-SW



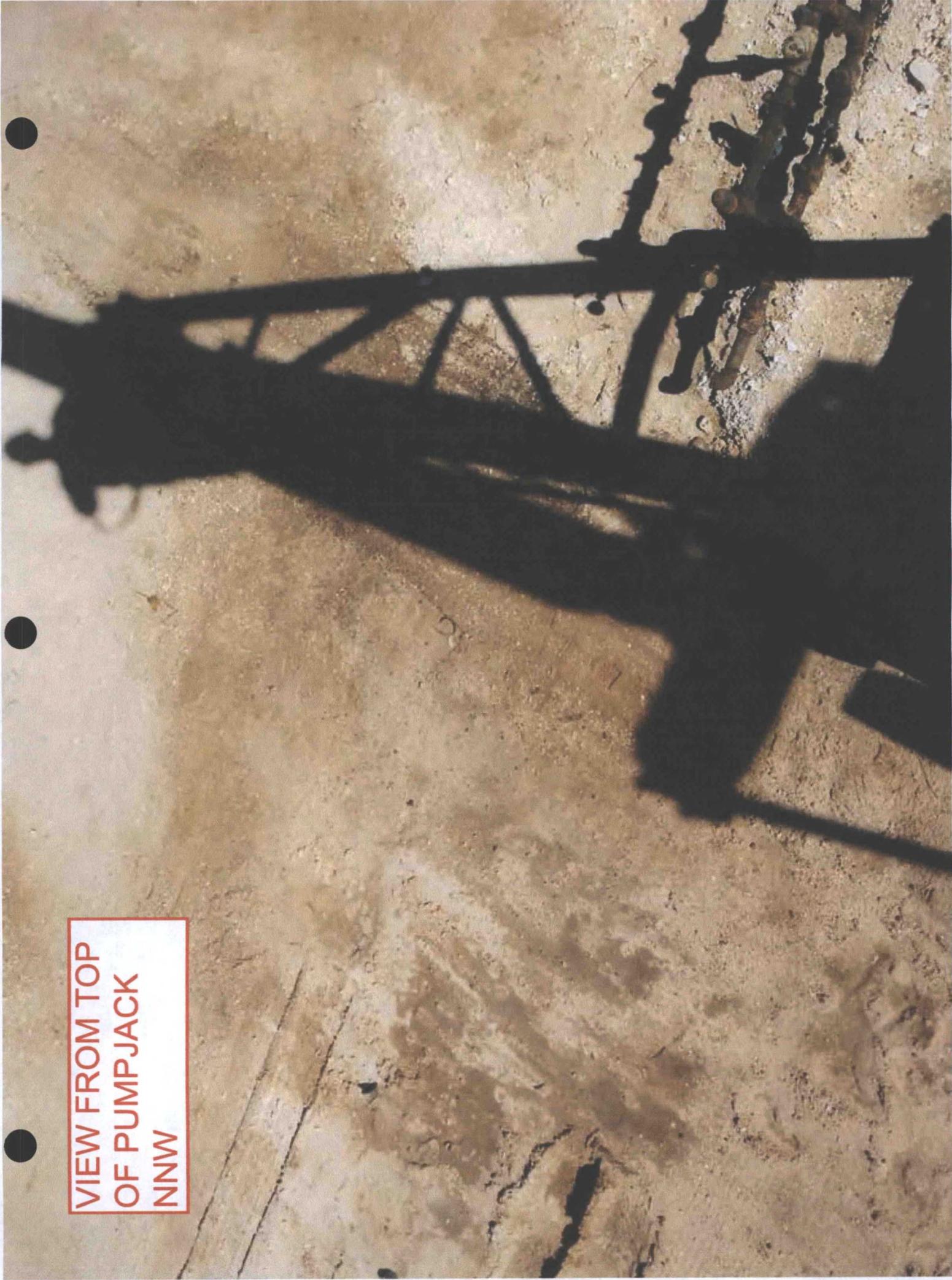
VIEW FROM TOP
OF PUMPJACK
TO ENE

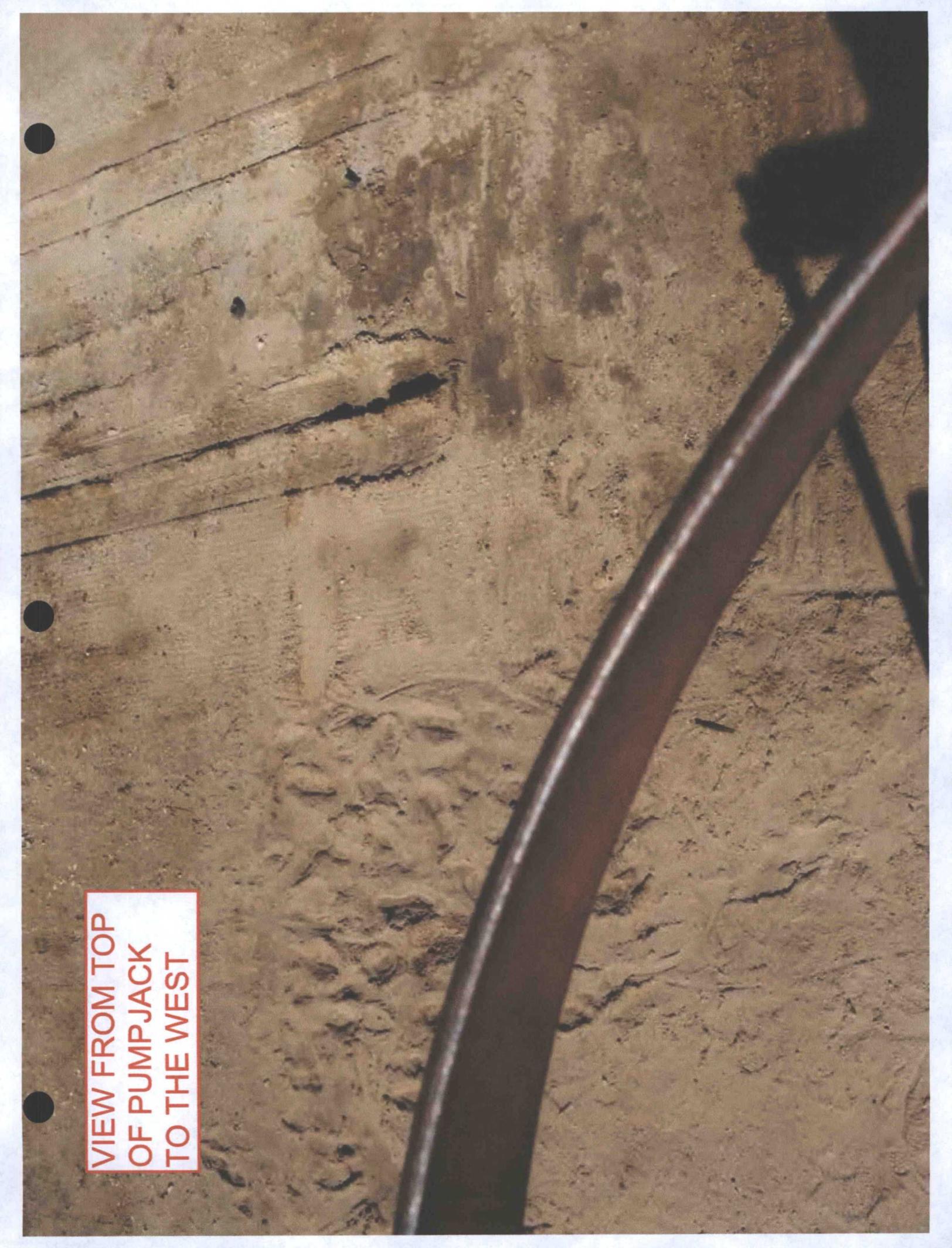


VIEW FROM TOP
OF PUMP JACK N
OF WELLHEAD



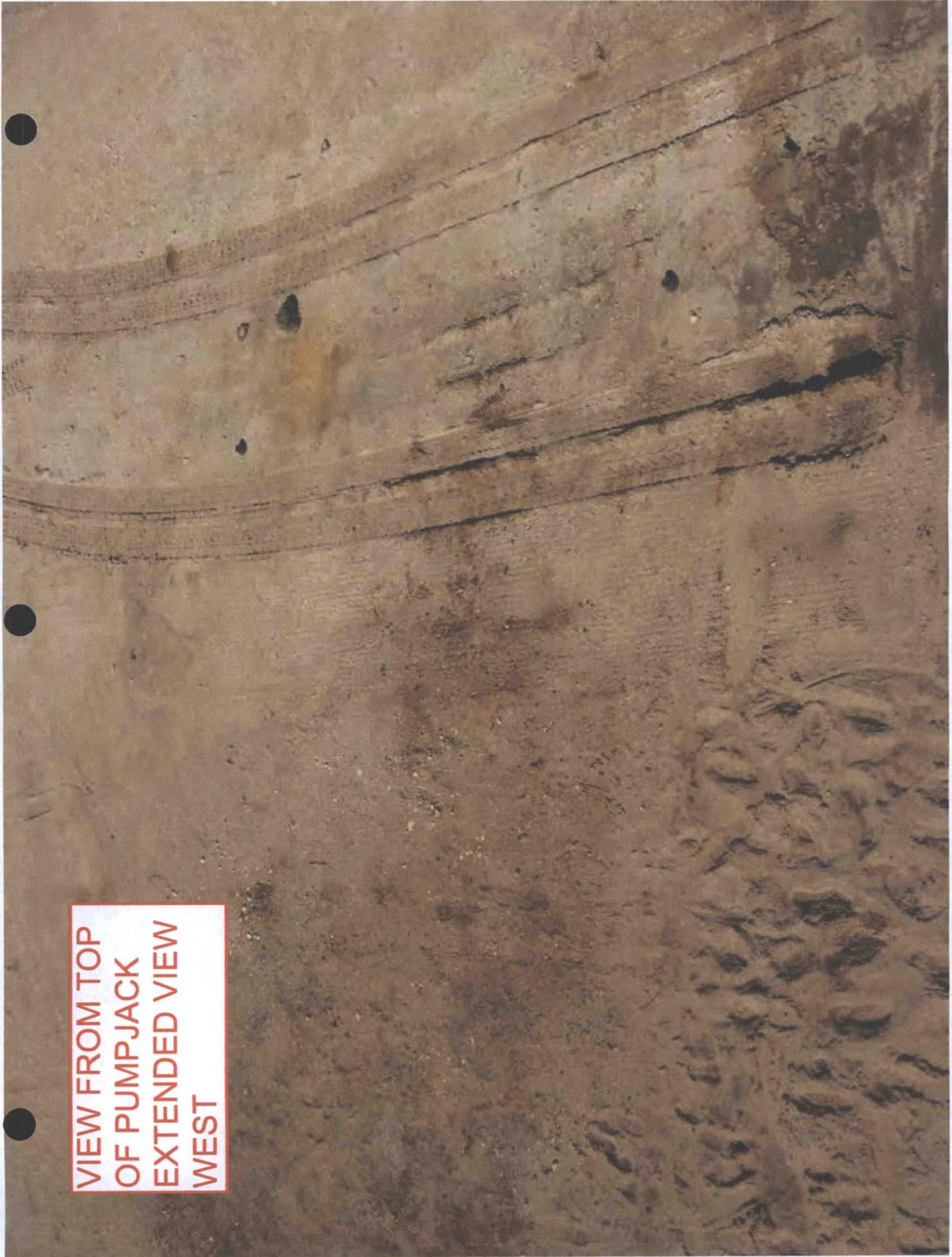
VIEW FROM TOP
OF PUMPJACK
NNW



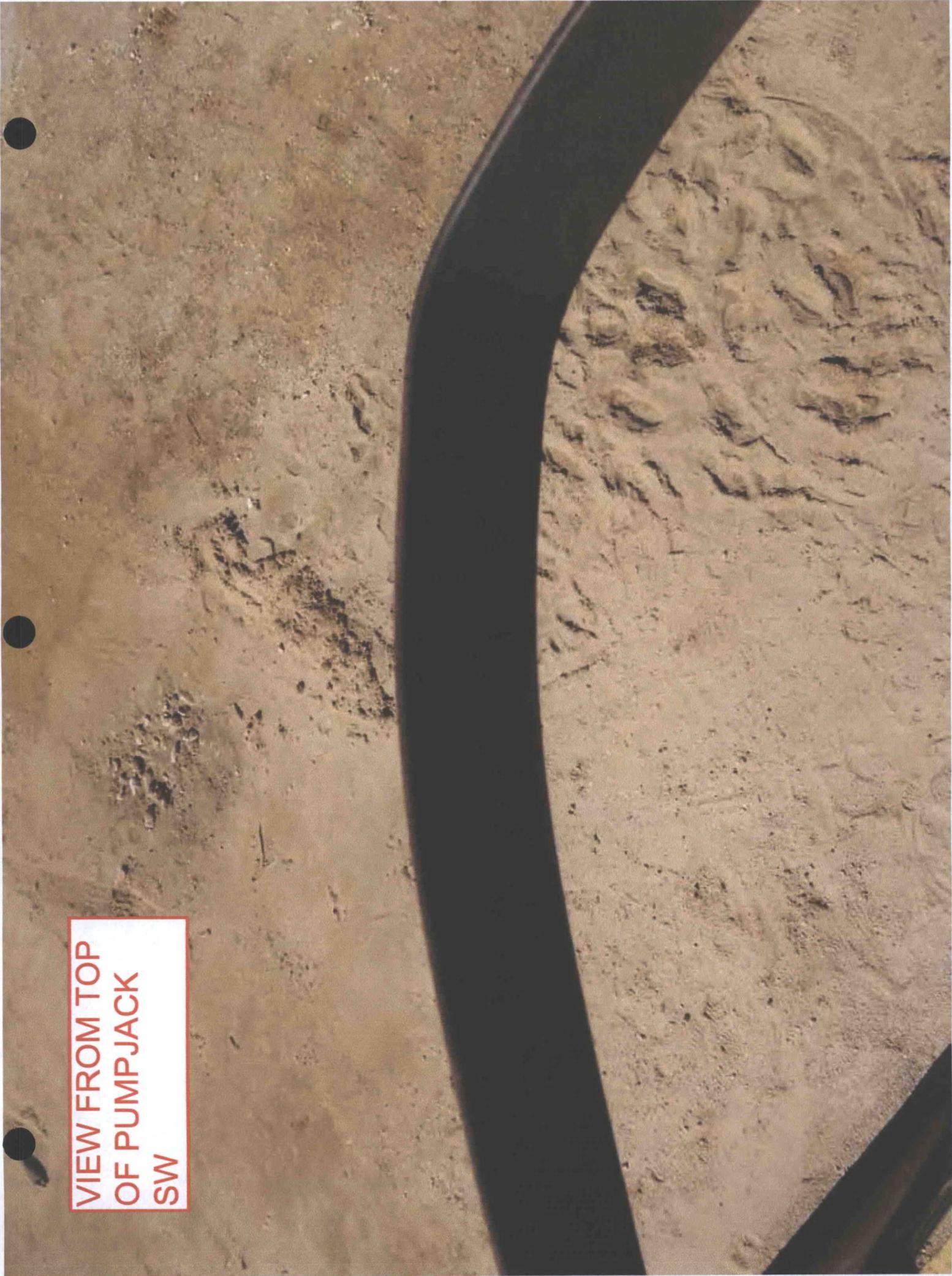


VIEW FROM TOP
OF PUMPJACK
TO THE WEST

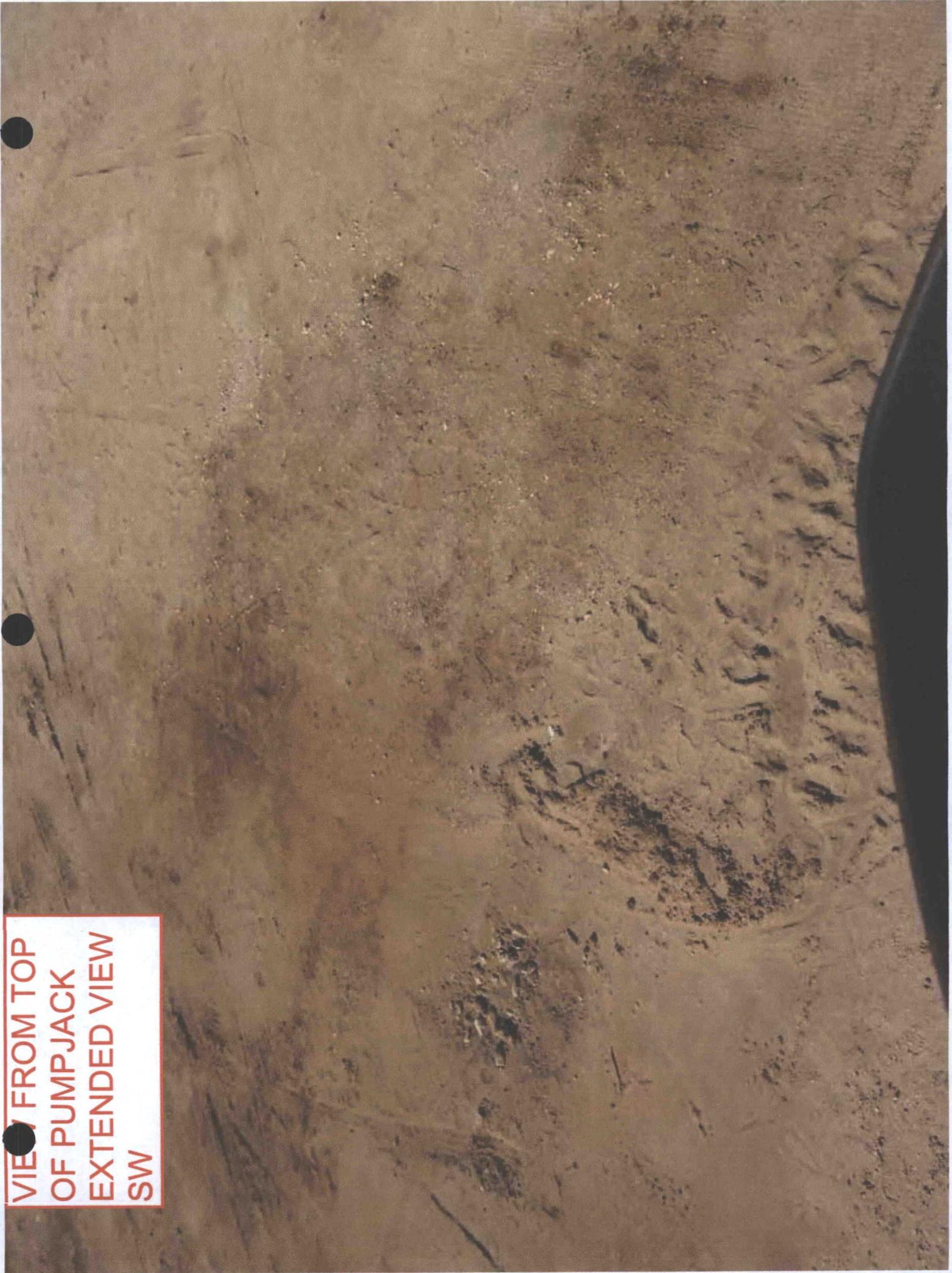
VIEW FROM TOP
OF PUMPJACK
EXTENDED VIEW
WEST



**VIEW FROM TOP
OF PUMPJACK
SW**



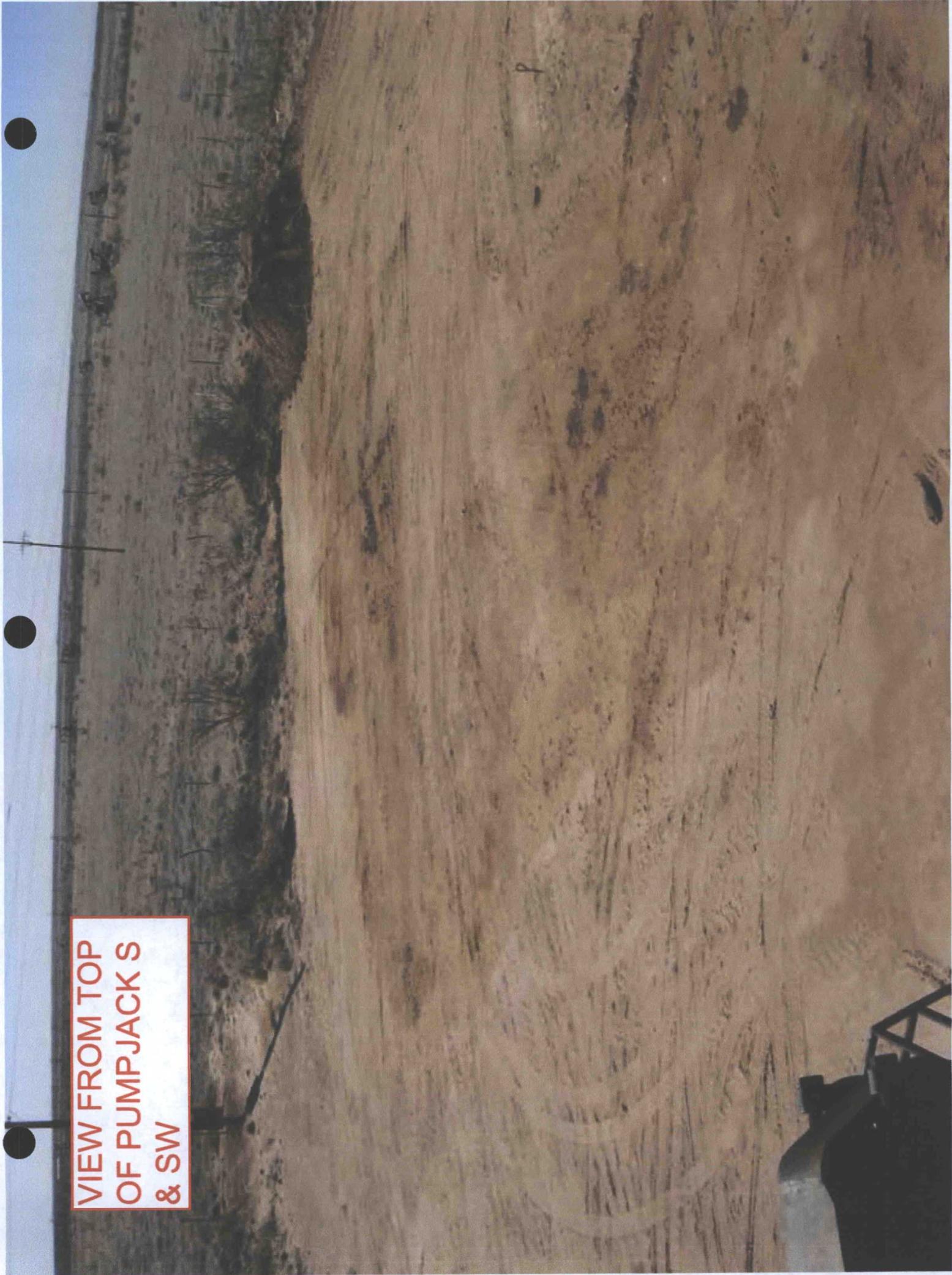
VIEW FROM TOP
OF PUMPJACK
EXTENDED VIEW
SW



**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.

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	Sampling Date:	02/16/2012
Reported:	02/22/2012	Sampling Type:	Soil
Project Name:	CHAPARRAL WDQSU #72	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

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

Analytical Results For:

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

Received:	02/17/2012	Sampling Date:	02/16/2012
Reported:	02/22/2012	Sampling Type:	Soil
Project Name:	CHAPARRAL WDQSU #72	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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

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

Analytical Results For:

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

Received:	02/17/2012	Sampling Date:	02/16/2012
Reported:	02/22/2012	Sampling Type:	Soil
Project Name:	CHAPARRAL WDQSU #72	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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	Sampling Date:	02/16/2012
Reported:	02/22/2012	Sampling Type:	Soil
Project Name:	CHAPARRAL WDQSU #72	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

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, SM4500CI-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

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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 SM4500C-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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: STOF Nova Project Manager: Roy Kason		P.O. #: Company: Attn:	
Address: City: State: Zip:		Address: City: State: Zip:	
Phone #: Fax #: Project #: Project Owner:		Phone #: Fax #: State: Zip:	
Project Location: Chuyaral 829 W. N. 850 #72		Project Name:	
Sampler Name: E. Kason		FOR LAB USE ONLY	
Lab I.D.: H00042	Sample I.D.:	(G) GRAB OR (C) COMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER
81 @ Surface 81 @ 30' 82 @ Surface 82 @ 30' 83 @ Surface 83 @ 15'	1 1 1 1 1	ACID/BASE: ICE / COOL OTHER:	PRESERV SAMPLING
		DATE 2-11-12	TIME 855
		X X X X X	CI- BO15M BTEX
Relinquished By: [Signature] Date: 2-11-12 Time: 3:02		Received By: [Signature] Date: 2-11-12 Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 60		CHECKED BY: [Signature] Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: Add'l Fax #:	
REMARKS:			

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* Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #726

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.

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)

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	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 (PII) 103 % 64.4-134

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	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
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- *** 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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Celey D. Keene, Lab Director/Quality Manager

