PGRL0921750959

CrownQuest Operating, LLC

Site Remediation Summary

Federal 20 #5

1RP-2252

API 30-025-28238

Lea County, New Mexico

UL. K, Sec. 20, T13S, R33E

GPS N33.13603 W103.64478

Start Date: 9Aug10

Finish Date: 25Aug10

Prepared By: Vernon K. Black

Environmental Technician Hungry Horse, LLC PO Box 1058 Hobbs, NM 88241 (575)-393-3386



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1.0 Introduction

This report addresses the site remediation conducted at CrownQuest Operating LLC, NM Federal 20 #5. A general scope of work performed, analytical results and overhead maps are included in this document as attachments. The project manager for Hungry Horse, LLC was Vernon K. Black.

2.0 Area Description

The top three to five feet of soil is topsoil. Below this layer, the formation begins to turn into a more of a caliche/caliche rock base. Vegetation in this area consists of native desert grasses and small yucca plants. The affected area is used for grazing livestock. This location is in Lea County, NM northwest of Lovington, NM. The depth to the ground water is 133' based upon information on the NM Office of the State Engineer's web site. There are no water wells or surface bodies of water within a half of a mile of this location. Based upon this groundwater information, this site is given a site ranking score of "0" by the NM OCD.

3.0 Site Remediation Process

The affected area was remediated as per the approved and amended work plan submitted to NM OCD. The existing monitor well was plugged according to the standards set forth by the NM Office of the State Engineer. The affected area, approximately 235' x 125', was then excavated to a depth of 4' BGS (below ground surface). A synthetic liner was then placed in the bottom of the excavation. Prior to backfilling, a 6" protective layer of sand was placed on top of the liner. Backfilling with clean material from a nearby source commenced with approximately 1.5' of caliche being placed on top of the sand with the remainder of the back fill being topsoil. The area was then contoured to match the surrounding terrain and seeded with a custom blend of seed.

All excavated material was transported to a division approved facility for disposal.

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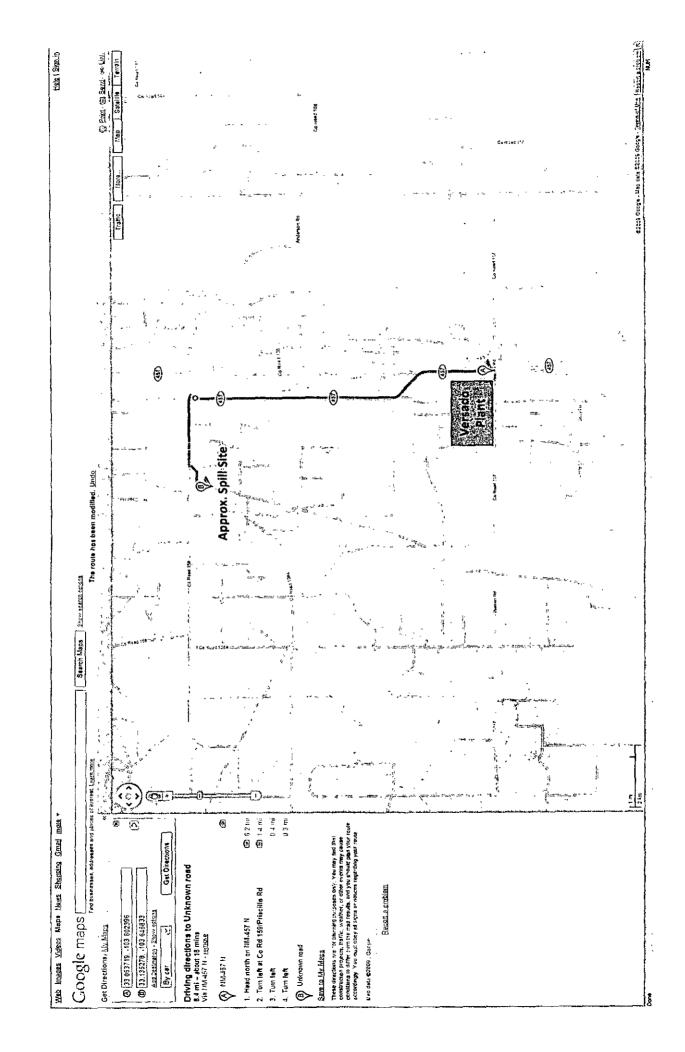
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Attachment 1

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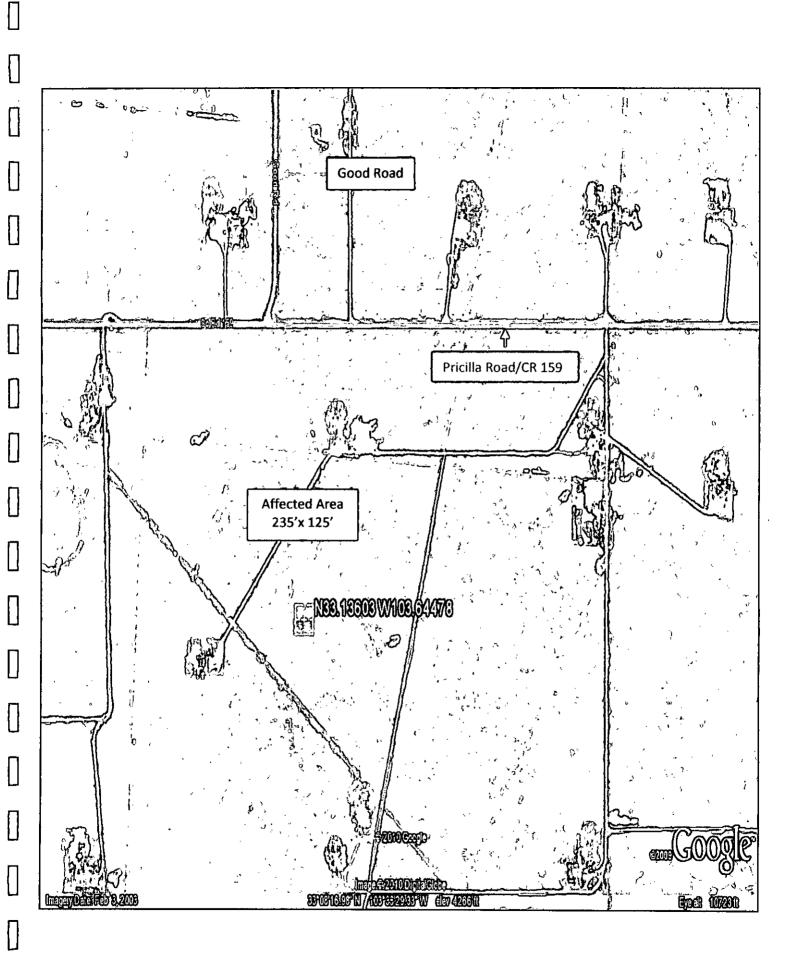
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Attachment 2

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CONCENTRATIONS OF BTEX, TPH AND CHLORIDE IN SOIL CROWNQUEST OPERATING, LLC NEW MEXICO STATE 20 #5 LEA COUNTY, NEW MEXICO NMOCD REF #1RP- 2252

Page 1 of 1

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Attachment 3

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Date: 8/5/2010 Time: 7:18 AM To: 2010322175 @ 915753914585 NMOC P.1/1 New Mexico One Call Locate Request Confirmation Header Code: STANDARD LOCATE Request Type: Ticket No: 2010322175 Seq. No: 0 Update of: Original Call Date: 08/05/2010 Time: 07:10:26 AM OP: 190 Transmit Date: 08/05/2010 Time: 07:15:26 AM Work to Begin Date: 08/09/2010 Time: 07:10:00 AM HUNGRY HORSE LLC Company: VERNON BLACK Contact Name: Contact Phone: (575) 631 - 2253Alternate Contact: Alternate Phone: Best Time to Call: Fax No: (575)391 - 4585Cell Phone: Pager No: Email: County: LEA State: NM City: RURAL LEA , FLOW LINE LEASE/ WELL NEW MEXICO STATE 2 Address: To Address: Nearest Intersecting Street: 2nd Intersecting Street: Subdivision: Latitude: 33.13717300 Longitude: -103.64908150 Zip Code: Grid: Township: 14S Range: 33E Section 1/4: 06 NE Location of Work: FROM LOVINGTON, GO W. ON US-82, TRN N. ON NM-457 GO TO JUST PAST MM-15, L. ON PRICILLA RD (CR-159) GO 1.3MI, L. ON LEASE ROAD, THEN IMMEDIATE R. ON 2-TRACK ROAD GO APPX 0.25MI TO A DIRT PILE. SPOT THE AREA MARKED WITH PINK PIN-FLAGS. Remarks: - OPEN ACCESS-Type of Work: SOIL REMEDIATION Overhead Lines: Private Property: Street: Blasting: Y

Easement: Mechanical Boring: Premarked: Y Work Being Done For: CROWN QUEST OPERATING The following utility owners have been notified: SPHB SAUN

IMPORTANT CONFIRMATION NOTICE

Your fax request has been received and processed. It is your responsibility to review the information provided on this faxback confirmation ticket and ensure it has been correctly interpreted from your request. Notify us immediately of any corrections or errors. Acceptance of this faxback confirmation ticket means you accept responsibility for the accuracy of the information contained in the ticket and you agree to indemnify New Mexico One Call Systems, Inc. of all liability, claims, fees, or damages, including reasonable attorney fees arising from or resulting from the use of the information provided on this confirmation ticket.

New Mexico Law requires you to wait two working days from the date and time of this confirmation notice before you begin excavation. This request is valid for ten working days. Only the facility owners listed on this ticket will be notified. You can check the Locate Status of this ticket and request other tickets . by visiting the our website at www.nmonecall.org. .

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Attachment 4

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State of New Mexico Energy Minerals and Natural Resources

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

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Release Notification and Corrective Action

						OPEI	RATOR	_	⊠ հ	itial Re	port	Final Repor		
Name of Co	mpany	CrownQues	t Operati	ng, LLC		Contact k	Cent Crabtree							
Address P	O Box 53	310 Midland	, Texas 7	9710		Telephone 1	No. 432-556-0'	770						
Facility Nar	ne New I	Mexico State	e 20 #5			Facility Type Poly Flow line								
							· · · · · · · · · · · · · · · · · · ·							
Surface Ow	ner No	rman Hahn		Mineral C	wner				Lease N	<u>10. 3</u> 0	0-02	5-28238		
				LOCA		N OF REI	LEASE							
Unit Letter	Section	Township	Range	Feet from the										
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]												
			<u>Lati</u>	tude 33 08' 07"	North		Longitude 10	<u>3 38' 45'</u>	' West					
				NAT	URE	OF REL	EASE							
Type of Rele	ase Produ	ed Water/Cru	de Oil	,		Volume of		,	Volume F	Recovere	d			
• J F · · · · · ·						50 Barrels			25 Barrel	S				
Source of Re	lease Poly	Flow line	-				lour of Occurrenc	æ	Date and	Hour of	Discover	y		
						7/21/09@			7/21/09 @	<u>) 0915</u>				
Was Immedia	ite Notice (If YES, To								
-			Yes 🔲	No Not Require	ea	Maxie Bro	wn							
By Whom?				· · · · · · · · · · · · · · · · · · ·		Date and Hour 7/21/09 @ 1126								
Was a Water	course Read			.		If YES, Volume Impacting the Watercourse.								
				No										
If a Watercou	rse was Im	pacted, Descri	ibe Fully.*	E				6	ลิฟตา	301				
Describe Cau	se of Probl	em and Remed	dial Action	Taken: Poly flov	v line s	eparated at the	seam, resulting i	in a releas	e of crude	e oil. Flo	w line wa	is repaired.		
Describe Are	a Affected	and Cleanup	Action 7	aken. Release i	mpacte	d an area me	asuring approxim	nately 100) feet by	60 feet.	Impacte	d soil will be		
remediated as	per NMO	CD guidelines		········										
I hereby certi	fy that the	information g	given abov	e is true and con	plete t	o the best of	my knowledge ar	nd unders	tand that	pursuant	to NMC	CD rules and		
regulations al	I operators	are required	to report	and/or file certain	releas	e notification:	s and perform con	rrective a	ctions for	releases	s, which i	may endanger		
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or the enviro	nment. In	addition. NM	OCD acc	eptance of a C-14	U repo	rt does not re	lieve the operato	incal to gi or of respi	ounu wai onsibility	for com	nliance u	numan near(n		
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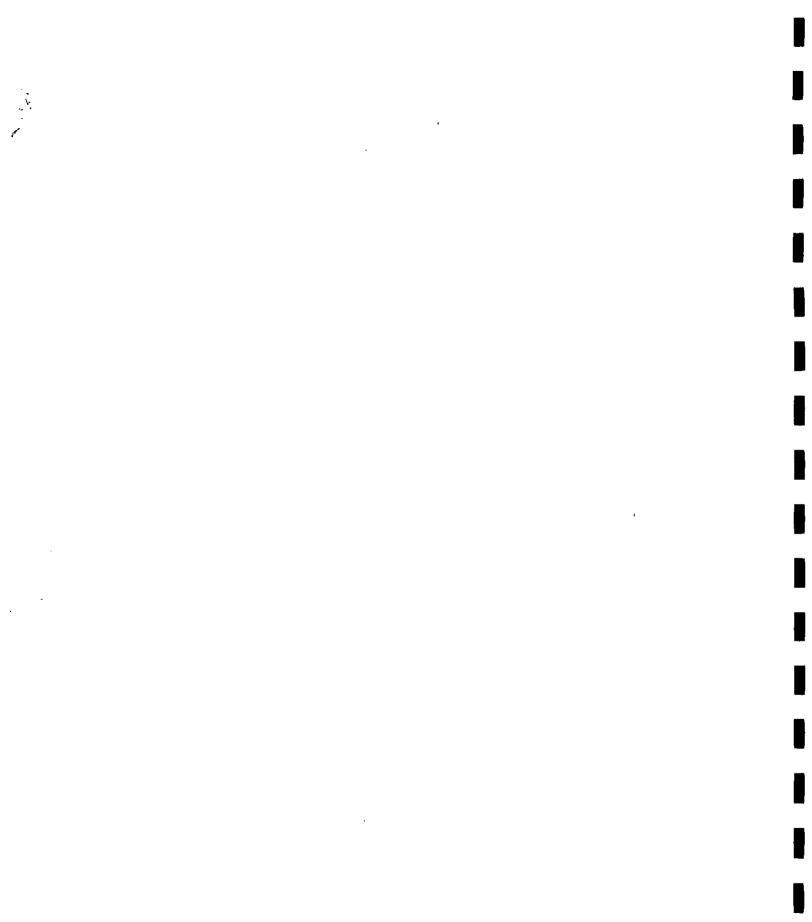
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HOBBSOCD

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EXTENDED TO 08/23/10



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

SEP 07 2010

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. HOBBSOCD 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	X Final Report
Name of Company CrownQuest Operating, Ll	LC	Contact Don Rogers		·
Address PO Box 53310 Midland, TX 79710		Telephone No. 432 818 0300		
Facility Name NM Federal 20 #5		Facility Type Oil Well		
Surface Owner Norman Hahn	Mineral Owner	· · · ·	Lease No. 30-025-2	8238

Surface Owner Norman Hahn

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
н	6	145	33E					Lea

Latitude N33.13603 Longitude W103.64478

NATURE OF RELEASE

Type of Release Produced Water/Crude Oil	Volume of Release 50 bbls	Volume Recovered 25 bbls
Source of Release poly Flow Line	Date and Hour of Occurrence	Date and Hour of Discovery
·	21July09 0900hrs	21Jult09 0915hrs
Was Immediate Notice Given?	If YES, To Whom?	•••
X Yes No Not Required	Maxie Brown NM OCD Dist 1	
By Whom? Eb Taylor	Date and Hour 21July09 1126hrs	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.
Yes X No	N/A	
If a Watercourse was Impacted, Describe Fully.*	- I	
		1
N/A		
Describe Cause of Problem and Remedial Action Taken.*	·····	
A poly flow line separated at the seam. Emergency actions resulted in the	e excavation to a depth of approximately	y 1' BGS and stockpiling of the material on
a synthetic liner.		
Describe Area Affected and Cleanup Action Taken.*		
The affected area, approximately, 235' x 125', was excavated to a depth	of 4' BGS A synthetic liner (barrier) w	as placed in the bottom of the execution
A 6" protective layer of sand was placed on top of the liner with the remain	ainder of the back fill being caliche and	topsoil. The area was contoured and
seeded with a custom blend of seed.	0	in the and the contourou and
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understar	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release r	olifications and perform corrective actions are actions and perform corrective actions are actions and perform corrective actions are	ions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate	te contomination that nose a threat to	loes not relieve the operator of liability
or the environment. In addition, NMOCD acceptance of a C-141 report of	loes not relieve the operator of responsi	bility for compliance water, numan nearth
federal, state, or local laws and/or regulations.	locs not remere the operator of responsi	ionity for compliance with any other
	OIL CONSERV	ATION DIVISION
() ()	OIL CONSERV	ATION DIVISION
Signature:	ETIV ENGINEER:	
	Approved by District Supervisor:	1 00 OD '
Printed Name: Don Rogers		Jerflrey John 1
		was
Title: Manager, Special Projects	Approval Date: 09/07/10 1	Expiration Date:

Conditions of Approval:

IRP-2252

Date: 25Aug10 Phone: 432 818 0300 Attach Additional Sheets If Necessary

E-mail Address: drogers@crownquest.com

State	e of New	Mexico	R
Energy Mine	rals and N	atural Res	

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Attachment 5

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HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

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P. O. Box 1058 * Hobbs New Mexico * Page 1612 505.393.3386 * Fax 505.391.4585

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HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

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Dirt Work	*	On-Site Remediation	*	Soil Testing	*	Excavation

- 1) Plug and abandon the existing monitor well per guidelines set forth by New Mexico Office of the State Engineer.
- 2) Excavate the affected area to a depth of 4' BGS. Side walls of the excavation will be sampled and field tested to determine the outward migration of chlorides. Once field test indicate the out ward migration has been mitigated and the 4'BGS depth has been reached, excavation will stop. All contaminated material will be hauled to a division approved facility for disposal.
- 3) Line the excavated area with a 20 mil synthetic liner. The liner will be placed on a 6" bed of sand with a 6" bed of sand on top of the liner to aid in protecting the liner during backfill. Backfill of non-impacted soil obtained from a nearby source will be used; the area will contoured to match the surrounding terrain and seeded.

Approve

NMGCD-HU 08/09/10

Sincerely,

Vernon K. Black Hungry Horse, LLC Hobbs, NM 575 631 2253 cell 575 393 3386

P. O. Box 1058 * Hobbs New Mexico * Page 2602 505.393.3386 * Fax 505.391.4585

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HUNGRY HORSE, LLC ENVIRONMENTAL SERVICES

irt Work *	On-Site Remediation	*	Soil Testing	*	Excavation
11Aug10	4	,			
To: Geoff Leking, Don Rogers, (NM OCD Dist 1 CrownQuest Operating, LLC	- , 1 -	RECEN		
	dment to Remediation Work Plan		•	'3	
-	Quest Operating, LLC		AUG 1.17	2010	
Location: NM Sta			HOBBS	OCD	
	. 6, T14S, R33E, Lea County, NM		nuuu .		
NM OCD Referen	ce: 1RP 09-8-2252		· *		
Dear Geoff Leking	· · · · · · · · · · · · · · · · · · ·				
			. ,		
I am submitting t	his amendment to the remediatior	work pla	n submitted on 9Aug1	l0. for you	review and
input, Based upo	n the excavation at the site for the	past two	days, the layer of top	soil exceed	s the
depth, 4' BGS, in	which we are excavating. Due to th	his fact and	d the lack of a presen	ce of rocks	.lam
requesting a waiv	er on the placement of a 6" layer of	of sand in [.]	the bottom of the exc	avation be	low the
synthetic liner. Th	ne topsoil still present in the botto	n of the e	xcavation will provide	adequate	protection
	liner. A layer of sand will still be pla	aced on to	p of the liner as a sou	rce of prot	ection
from the backfill	and backfill process.		; · ·	• . (* 8.	
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Sincerely,			Υ	•	
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Hungry Horse, LL				A	
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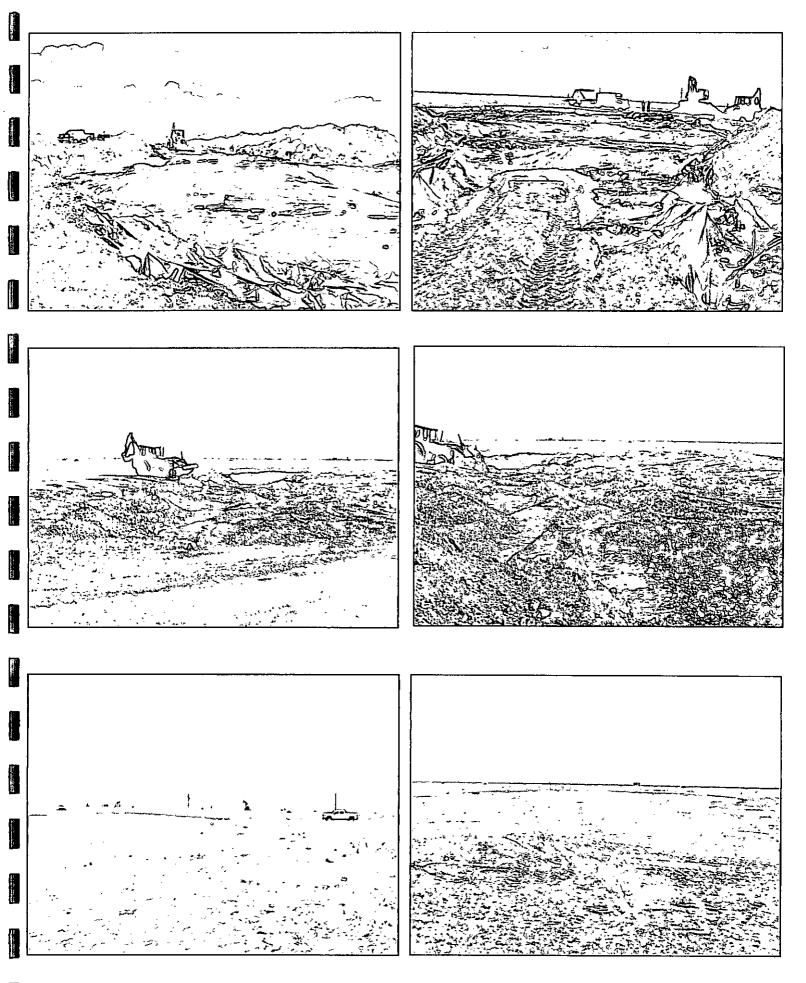
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Attachment 6

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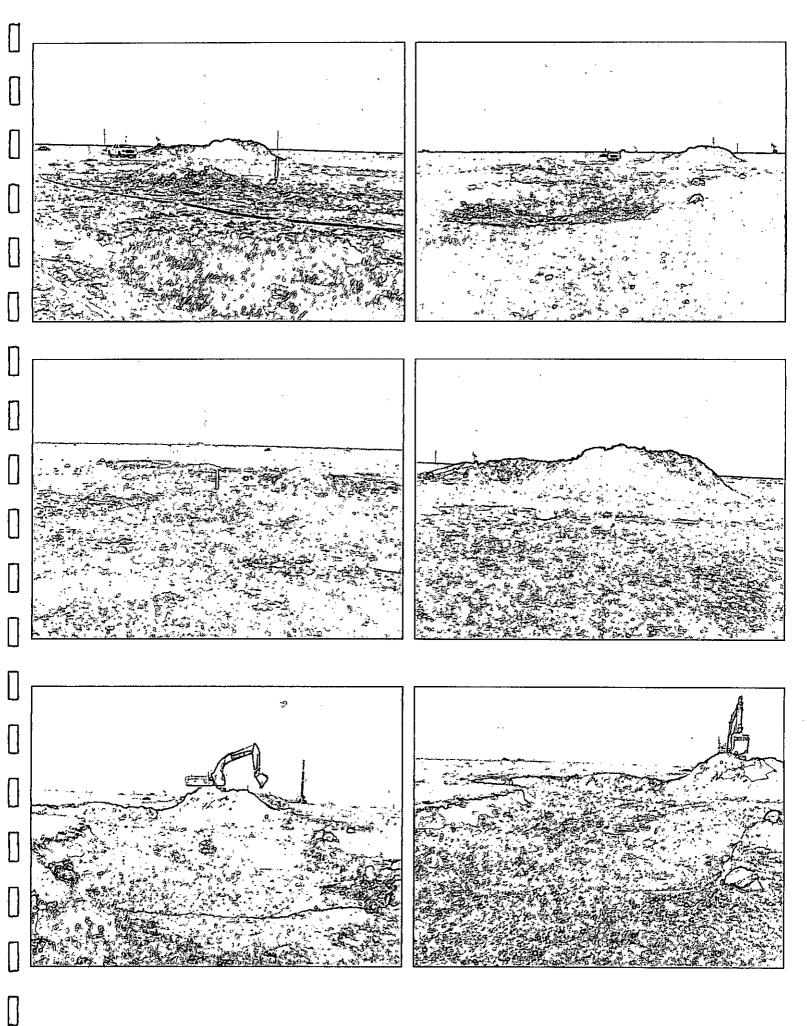
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