

District I

1625 N. French Dr., Hobbs, NM 88201

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Artesia, NM 88210

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-141
Revised October 10, 2003Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

HOBBS, NM

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company ConocoPhillips	Contact Tom Samarripa
Address: ConocoPhillips/ Attn: Celeste Dale/ 3300 N. "A" St. Bldg. 6 #247/ Midland, Tx. 79705	Telephone No. 432.368.1263
Facility Name MCA Well 391	Facility Type Oil Well

Surface Owner: BLM	Mineral Owner: BLM	Lease No. 30-025-38853
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LOCATION OF RELEASE

Unit Letter H	Section 25	Township T17S	Range R32E	Feet from the 2622	North/South Line North	Feet from the 662	East/West Line East	County Lea
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Latitude: 32° 42' 19.53" N/ Longitude: -103° 42' 46.9" W

NATURE OF RELEASE

Type of Release: Brine/ Drilling Mud	Volume of Release: ~65 bbls.	Volume Recovered: 0
Source of Release: 3" poly-line	Date and Hour of Occurrence 7.23.08 @ 0430 hrs.	Date and Hour of Discovery 7.23.08 @ 0600 hrs.
Was Immediate Notice Given? x Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD & BLM	
By Whom? Tom Samarripa	Date and Hour: 7.23.08 1030 hrs.	
Was a Watercourse Reached? <input type="checkbox"/> Yes x No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*NA

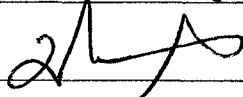
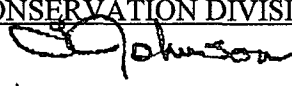
Describe Cause of Problem and Remedial Action Taken.*

On 7.23.08 at 0430 hrs at the MCA well #391, located 3 miles southeast of Maljamar, NM, an accidental discharge of brine/ drilling mud was released from a temporary storage tank. Fluid was not contained and no fluid was recovered.

Describe Area Affected and Cleanup Action Taken.*

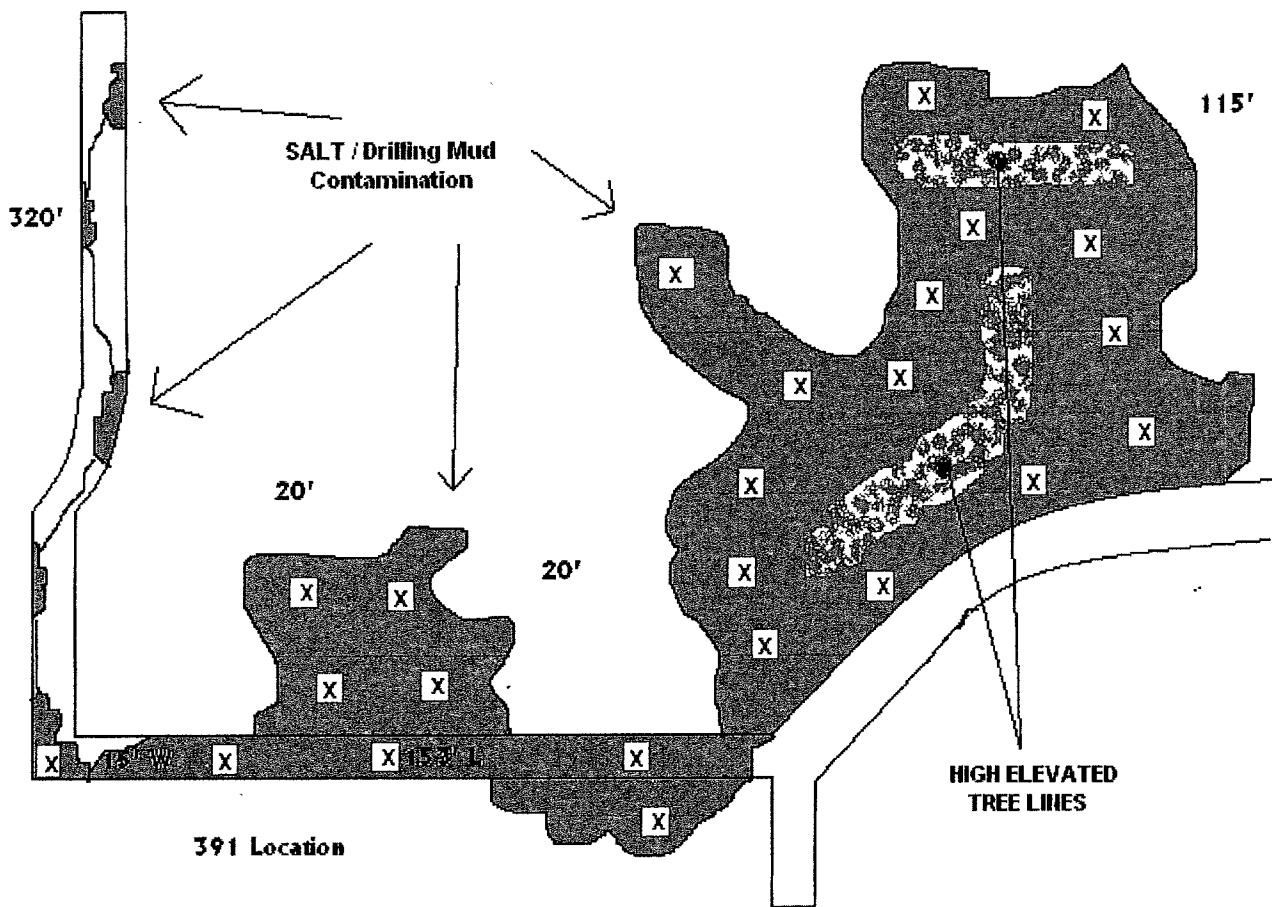
Affected area (see remediation plat) was to lease road and pasture land. No livestock was present.
Area will be remediated per NMOCD & BLM guidelines.

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.

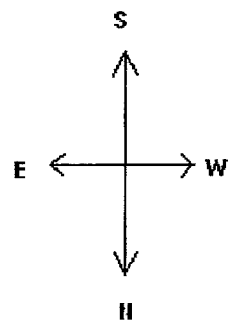
Signature: 	OIL CONSERVATION DIVISION 	
Printed Name: Tom Samarripa	Approved by District Supervisor ENVIRONMENTAL ENGINEER	
Title: WSER	Approval Date: 11.21.08	Expiration Date: 12.8.08
E-mail Address: tom.samarripa@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: (revised) 8.1.08 Phone: 432.368.1263	SUBMIT FINAL C.141	IRP# 2009

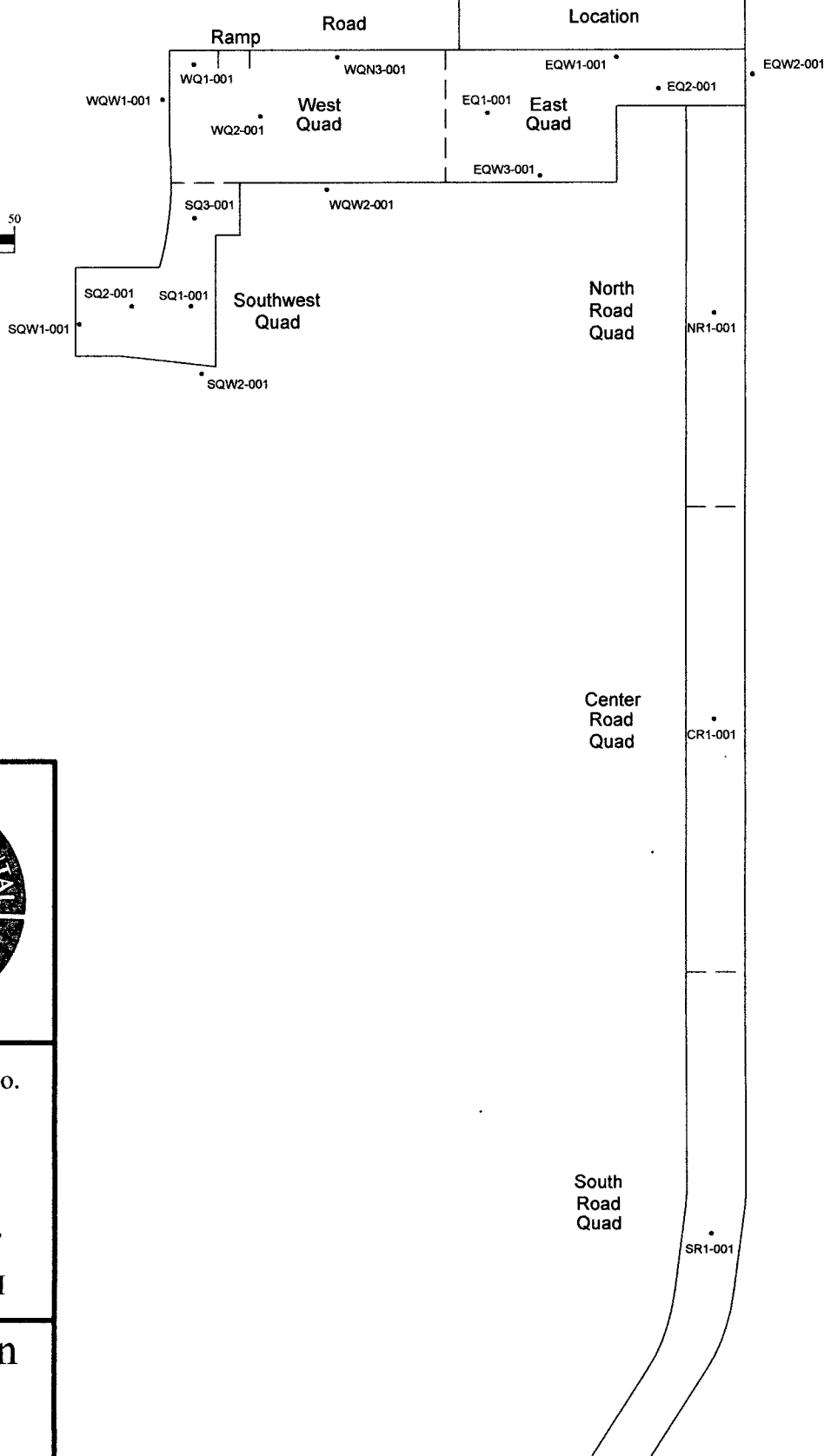
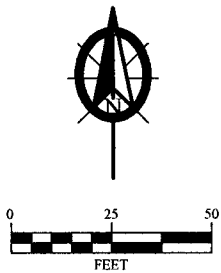
* Attach Additional Sheets If Necessary

VIA MAIL - MUST HAVE ORIGINAL SIGNATURE,



- X - 6" Depth Soil Samples
- X - 18" Depth Soil Samples
- - Salt/Drilling Mud Contamination
- - Elevated Tree Line

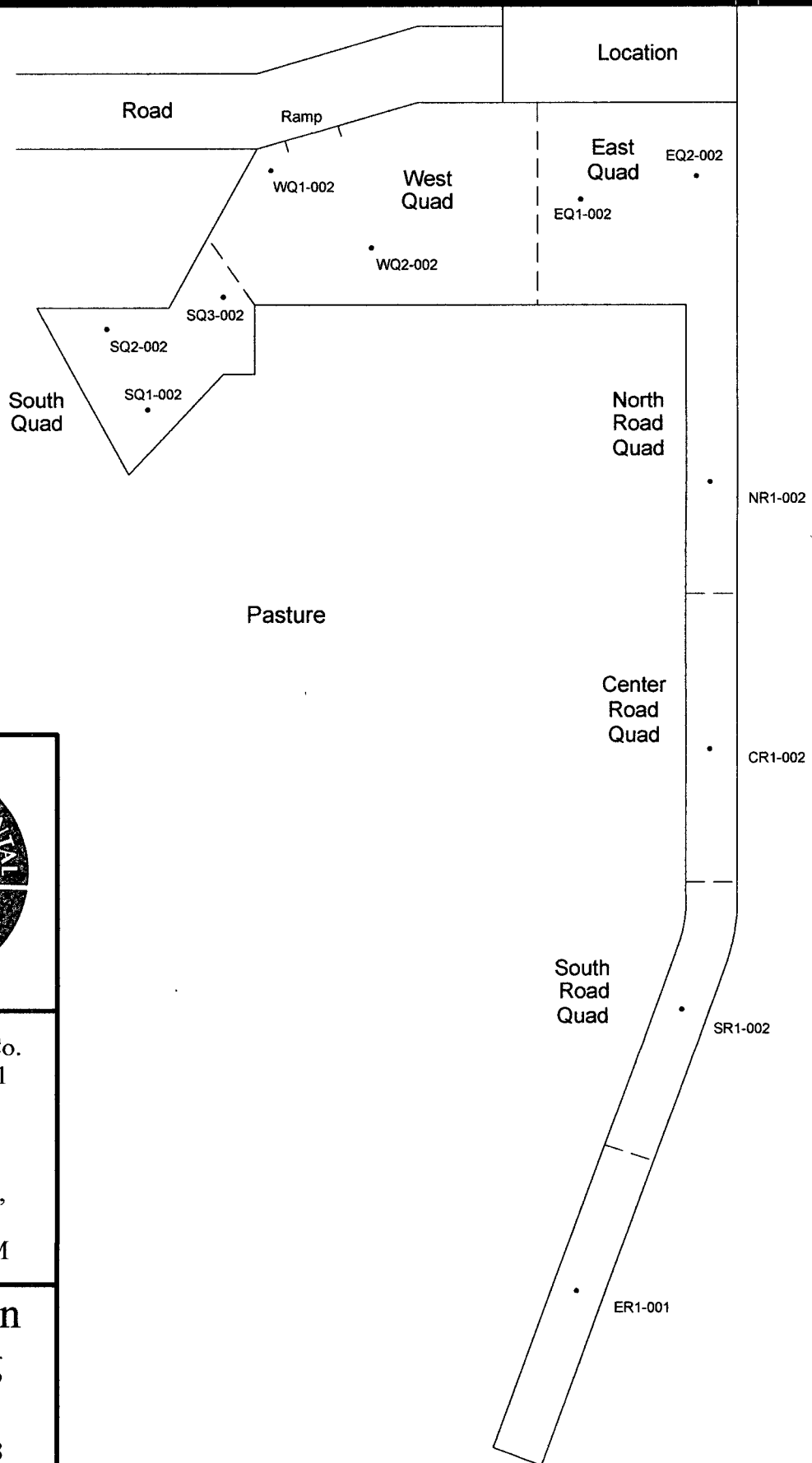
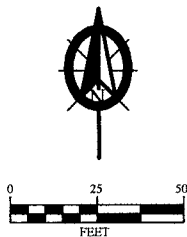




ConocoPhillips Co.
MCA Well #391
Release Site
Lease No.
30-025-38853
T-17-S, R-32-E,
Sec. 25 (H)
Lea County, NM

Delineation Sampling Plan

August 15, 2008



ConocoPhillips Co.
MCA Well #391
Release Site
Lease No.
30-025-38853
T-17-S, R-32-E,
Sec. 25 (H)
Lea County, NM

Delineation Sampling Plan

August 21, 2008



Project Name: ConocoPhillips MCA Well #391
Project Location: Lea County, New Mexico

Analytical Results

Methods: EPA 8015M (TPH) EPA 8021B (BTEX) SW 846 9253 (C)

[illegible]



Sample Data Summary

p. 2 of 2

Project Name: ConocoPhillips MCA Well #391
 Project Location: Lea County, New Mexico

Analytical Results																	
Methods: EPA 8015M (TPH), EPA 8021B (BTEX), SW 846.9253 (Cl)																	
Sample ID	Lab ID	Matrix		Date Sampled	Date Received	Carbon Ranges C6-C12 (mg/kg dry)	Carbon Ranges C12-C28	Carbon Ranges C28-C35	Total Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylene (p/m)	Xylene (o)	Total Xylenes	Total BTEX	Chloride (Cl) (mg/kg wet)
EQW3-001	H15754-5	Soil	Composite	8/15/2008 16:20	8/15/2008 17:30	<10.0	<10.0			<0.025	<0.025	<0.010			<0.030		16
WQW2-001	H15754-5	Soil		8/15/2008 15:58	8/15/2008 17:30												
SQW1-001	H15754-6	Soil	Composite	8/15/2008 15:12	8/15/2008 17:30	<10.0	<10.0			<0.010	<0.025	<0.010			<0.030		112
SQW2-001	H15754-6	Soil		8/15/2008	8/15/2008 17:30												
EQW2-001	H15754-7	Soil		8/15/2008 16:18	8/15/2008 17:30	<10.0	<10.0			<0.010	<0.025	<0.010			<0.030		<16
WQW1-001	H15754-8	Soil		8/15/2008 15:38	8/15/2008 17:30	<10.0	<10.0			<0.025	<0.025	<0.010			<0.030		<16
NR1-001	H15754-9	Soil		8/15/2008 16:25	8/15/2008 17:30	<10.0	<10.0			<0.010	<0.025	<0.010			<0.030		11,800
CR1-001	H15754-10	Soil		8/15/2008 16:27	8/15/2008 17:30	<10.0	<10.0			<0.010	<0.025	<0.010			<0.030		384
SR1-001	H15754-11	Soil		8/15/2008 16:30	8/15/2008 17:30	<10.0	<10.0			<0.010	<0.025	<0.010			<0.030		128



Sample Data Summary

p. 1 of 1

Project Name: **ConocoPhillips MCA Well #391**
 Project Location: **Lea County, New Mexico**

						Analytical Results												
						Methods: EPA 8015M (TPH), EPA 8021B (BTEX), SW 846 9253 (Cl)												
Sample ID	Lab ID	Matrix		Date Sampled	Date Received	Carbon Ranges C6-C10 (mg/kg dry)	Carbon Ranges C10-C28	Carbon Ranges C28-C35	Total Hydrocarbons	Benzene	Toluene	Ethylbenzene	Xylene (p/m)	Xylene (o)	Total Xylenes	Total BTEX	Chloride (Cl) (mg/kg wet)	% Moisture
SQ1-002	H15789-1	Soil	Composite	8/21/2008 11:00	8/21/2008 14:45	<10.0	<10.0			<0.050	0.057	<0.050			<0.150		112	
SQ2-002	H15789-2	Soil		8/21/2008 11:10	8/21/2008 14:45													
SQ3-002	H15789-3	Soil		8/21/2008 11:20	8/21/2008 14:45													
WQ1-002	H15789-4	Soil	Composite	8/21/2008 11:25	8/21/2008 14:45	<10.0	22.6			<0.050	<0.050	<0.050			<0.150		96	
WQ2-002	H15789-5	Soil		8/21/2008 11:32	8/21/2008 14:45													
EQ1-002	H15789-6	Soil	Composite	8/21/2008 11:38	8/21/2008 14:45	<10.0	<10.0			<0.050	<0.050	<0.050			<0.150		48	
EQ2-002	H15789-7	Soil		8/21/2008 11:45	8/21/2008 14:45													
NR1-002	H15789-8	Soil		8/21/2008 12:15	8/21/2008 14:45	<10.0	<10.0			<0.050	<0.050	<0.050			<0.150		64	
CR1-002	H15789-9	Soil		8/21/2008 12:22	8/21/2008 14:45	<10.0	<10.0			<0.050	<0.050	<0.050			<0.150		176	
SR1-002	H15789-10	Soil		8/21/2008 12:29	8/21/2008 14:45	<10.0	<10.0			<0.050	<0.050	<0.050			<0.150		304	
ER1-001	H15789-11	Soil		8/21/2008 12:38	8/21/2008 14:45	<10.0	<10.0			<0.050	<0.050	<0.050			<0.150		160	

Project Name: ConocoPhillips MCA Well #391
Project Location: Lea County, New Mexico



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

**ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL**

ATTN: DEBI S. SMITH

502 N. BIG SPRING

MIDLAND, TX 79701

FAX TO: (866) 500-0622

Receiving Date: 08/15/08

Reporting Date: 08/18/08

Project Number: NOT GIVEN

Project Name: CONOCO PHILLIPS

Project Location: MCA WELL 391, MALJAMAR, NM

Analysis Date: 08/18/08

Sampling Date: 08/13/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

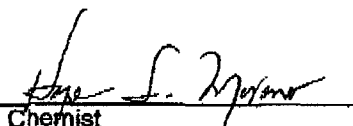
Sample Received By: HM

Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/kg)
H15753-1	EAST BACK	< 16
H15753-2	WEST BACK	< 16
H15753-3	CENTER BACK	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods **4500-ClB**

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

08-18-08
Date

H15753 Sport Environmental

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ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING
MIDLAND, TX 79701
FAX TO: (888) 500-0622

Receiving Date: 08/15/08
Reporting Date: 08/21/08
Project Number: NOT GIVEN
Project Name: CONOCO PHILLIPS
Project Location: MCA WELL 391, MALJAMAR, NM

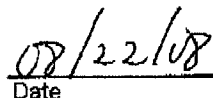
Sampling Date: 08/13/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: CK

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		08/19/08	08/19/08	08/20/08	08/20/08	08/20/08	08/20/08
H15753-1	EAST BACK	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15753-2	WEST BACK	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15753-3	CENTER BACK	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
Quality Control		422	561	0.042	0.043	0.042	0.130
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		84.4	112	84.0	86.0	84.0	86.7
Relative Percent Difference		0.6	5.7	2.5	16.0	12.2	11.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

H15753BTEXT2 SE

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



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ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING
MIDLAND, TX 79701
FAX TO: (866) 500-0622

Receiving Date: 08/15/08
Reporting Date: 08/18/08
Project Owner: CONOCO PHILLIPS
Project Name: MCA WELL 391
Project Location: MALJAMAR, NM

Analysis Date: 08/18/08
Sampling Date: 08/15/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H15754-1	SQ1-001,SQ2-001,SQ3-001 COMP. 3'	4,640
H15754-2	WQ1-001, WQ2-001 COMP. 3' & 4'	1,390
H15754-3	EQ1-001, EQ2-001 COMP. 4'	288
H15754-4	WQW3-001, EQW1-001 COMP. 6"	64
H15754-5	EQW3-001, WQW2-001 COMP. 6"	16
H15754-6	SQW1-001, SQW2-001 COMP. 6"	112
H15754-7	EQW2-001 6"	< 16
H15754-8	WQW1-001 6"	< 16
H15754-9	NR1-001 0"	11,800
H15754-10	CR1-001 2"	384
H15754-11	SR1-001 2"	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		<0.1

METHOD: Standard Methods

4500-CFB

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

08-18-08
Date

H15754 Sport Environmental

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RECEIVED
AUG 26 2008

ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING
MIDLAND, TX 79701
FAX TO: (888) 500-0622

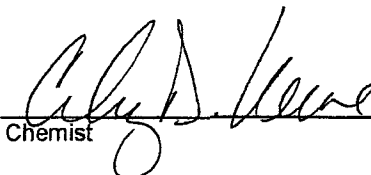
Receiving Date: 08/15/08
Reporting Date: 08/22/08
Project Owner: CONOCO PHILLIPS
Project Name: MCA WELL 391
Project Location: MALJAMAR, NM

Sampling Date: 08/15/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB/CK

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		08/20/08	08/20/08	08/20/08	08/20/08	08/20/08	08/20/08
H15754-1	SQ1-001,SQ2-001,SQ3-001 COMP. 3'	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-2	WQ1-001,WQ2-001 COMP. 3' & 4'	<10.0	12.8	<0.010	<0.025	0.032	0.220
H15754-3	EQ1-001,EQ2-001 COMP. 4'	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-4	WQW3-001,EQW1-001 COMP. 6"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-5	EQW3-001,WQW2-001 COMP. 6"	<10.0	<10.0	<0.025	<0.025	<0.010	<0.030
H15754-6	SQW1-001,SQW2-001 COMP. 6"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-7	EQW2-001 6"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-8	WQW1-001 6"	<10.0	<10.0	<0.025	<0.025	<0.010	<0.030
H15754-9	NR1-001 0"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-10	CR1-001 2"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
H15754-11	SR1-001 2"	<10.0	<10.0	<0.010	<0.025	<0.010	<0.030
Quality Control		597	437	0.042	0.043	0.042	0.130
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		119	87.4	83.3	85.9	83.9	86.7
Relative Percent Difference		6.7	5.3	19.4	2.8	4.6	3.7

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

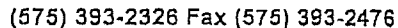
TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist

08/22/08
Date

H15754BTEXT2 SE

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101 East Marland, Hobbs, NM 88240

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Page ____ of ____

Company Name: Sport Environment				BILL TO				ANALYSIS REQUEST														
Project Manager:				P.O. #:																		
Address:				Company:																		
City: State: Zip:				Attn:																		
Phone #: Fax #:				Address:																		
Project #: Project Owner:				City:																		
Project Name: ConacoPhillips				State: Zip:																		
Project Location: MCA Well 391				Phone #:																		
Sampler Name: Mark Staley				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACIDBASE:	ICE / COOL	OTHER	DATE	TIME								
H15754-4	WQW3-001	6"	G 1			X				X			8-15-08	16:03	✓	✓	✓					
	EQW1-001			6"	G 1			X				X										
-5	EQW3-001	6"	G 1			X				X			16:20	15:58	✓	✓	✓					
	WQW2-001			6"	G 1			X				X										
-6	SQW1-001	6"	G 1			X				X			15:12		✓	✓	✓					
	SQW2-001			6"	G 1			X				X										
-7	EQW2-001	6"	G 1			X				X			16:18		✓	✓	✓					

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Mark Staley		Date: 8-15-08	Received By: John S. Moser	Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
Relinquished By:		Date:	Received By:	Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Time:		REMARKS:				
Delivered By: (Circle One)		Temp.:	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:			Cool Intact			
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Mark		
			<input type="checkbox"/> Yes <input type="checkbox"/> No			

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Page ____ of ____

Company Name: Sport Environmental		BILL TO		ANALYSIS REQUEST											
Project Manager:		P.O. #:													
Address:		Company:													
City: State: Zip:		Attn:													
Phone #: Fax #:		Address:													
Project #: Project Owner:		City:													
Project Name: Conoco Phillips		State: Zip:													
Project Location: McA Well 391 Maljamar, NM		Phone #:													
Sampler Name: Mark Staley		Fax #:													

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		CF	BTEX	S108																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
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Sampler Relinquished By: <i>[Signature]</i>		Date: 8-15-08	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/>	No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>		Time: 17:30	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/>	No	Add'l Fax #:
Delivered By: (Circle One)		Temp.:	Sample Condition:	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:			Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>		
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
REMARKS:						

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.



ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING STREET
MIDLAND, TX 79701
FAX TO: (888) 500-0622

Receiving Date: 08/21/08
Reporting Date: 08/22/08
Project Owner: NOT GIVEN
Project Name: CONOCO PHILLIPS MCA WELL 391
Project Location: MALJAMAR, NM

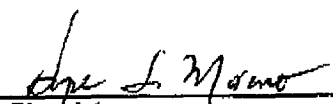
Analysis Date: 08/22/08
Sampling Date: 08/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: TR

LAB NO.	SAMPLE ID	Cr (mg/kg)
H15789-1,2,3	SQ1-002, SQ2-002, SQ3-002 COMP.	112
H15789-4,5	WQ1-002, WQ2-002 COMP.	96
H15789-6,7	EQ1-002, EQ2-002 COMP.	48
H15789-8	NR1-002	64
H15789-9	CR1-002	176
H15789-10	SR1-002	304
H15789-11	ER1-001	160
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		1.9

METHOD: Standard Methods

4500-CrB

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

08-22-08
Date

H15789 Sport Environmental

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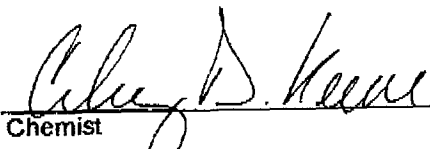
ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING STREET
MIDLAND, TX 79701
FAX TO: (888) 500-0622

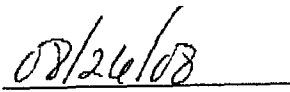
Receiving Date: 08/21/08
Reporting Date: 08/26/08
Project Number: NOT GIVEN
Project Name: CONOCO PHILLIPS MCA WELL 391
Project Location: MALJAMAR, NM

Sampling Date: 08/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (C ₁₀ -C ₂₈) (mg/kg)
		08/25/08	08/25/08
H15789-1,2,3	SQ1,SQ2,SQ3-002 COMP.	<10.0	<10.0
H15789-4,5	WQ1,WQ2-002 COMP.	<10.0	22.6
H15789-6,7	EQ1,EQ2-002 COMP.	<10.0	<10.0
H15789-8	NR1-002	<10.0	<10.0
H15789-9	CR1-002	<10.0	<10.0
H15789-10	SR1-002	<10.0	<10.0
H15789-11	ER1-001	<10.0	<10.0
Quality Control		567	439
True Value QC		500	500
% Recovery		113	87.8
Relative Percent Difference		9.1	5.1

METHOD: SW-846 8015 M


Chemist


Date

H15789T SE

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ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING STREET
MIDLAND, TX 79701
FAX TO: (888) 500-0622

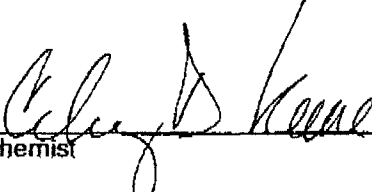
Receiving Date: 08/21/08
Reporting Date: 08/25/08
Project Number: NOT GIVEN
Project Name: CONOCO PHILLIPS MCA WELL 391
Project Location: MALJAMAR, NM

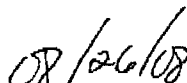
Sampling Date: 08/21/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		08/22/08	08/22/08	08/22/08	08/22/08
H15789-1,2,3	SQ1-002, SQ2-002, SQ3-002 COMP	<0.050	0.057	<0.050	<0.150
H15789-4,5	WQ1-002, WQ2-002 COMP	<0.050	<0.050	<0.050	<0.150
H15789-6,7	EQ1-002, EQ2-002 COMP	<0.050	<0.050	<0.050	<0.150
H15789-8	NR1-002	<0.050	<0.050	<0.050	<0.150
H15789-9	CR1-001	<0.050	<0.050	<0.050	<0.150
H15789-10	SR1-002	<0.050	<0.050	<0.050	<0.150
H15789-11	ER1-001	<0.050	<0.050	<0.050	<0.150
Quality Control		0.050	0.048	0.050	0.155
True Value QC		0.050	0.050	0.050	0.150
% Recovery		100	96.0	100	103
Relative Percent Difference		0.2	3.4	0.9	1.3

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

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Page 2 of 2

Company Name: Sport Environmental				BILL TO				ANALYSIS REQUEST												
Project Manager:				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>												
Address:				Company:																
City: State: Zip:				Attn:																
Phone #: Fax #:				Address:																
Project #: Project Owner:				City:																
Project Name: Conoco Phillips MCA Well 391				State: Zip:																
Project Location:				Phone #:																
Sampler Name:				Fax #:																
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING													
					GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER	ACID/BASE ICE/COOL OTHER	DATE	TIME												
	115789-8	NRI-002	C	1	X	X	8-21-08	12:15												
	-9	PCR1-002	C	1	X	X		12:22												
	-10	SRI-002	C	1	X	X		12:29												
	-11	ERI-001	C	1	X	X		12:38												

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished By: <i>[Signature]</i>		Date: 8-21-08	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>[Signature]</i>		Time: 4:48	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Temp.	Sample Condition	CHECKED BY: <i>[Signature]</i>	
Sampler - UPS - Bus - Other:			Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		
REMARKS: Rush on CL only					

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**ANALYTICAL RESULTS FOR
SPORT ENVIRONMENTAL
ATTN: DEBI S. SMITH
502 N. BIG SPRING ST.
MIDLAND, TX 79701
FAX TO: (888) 500-0622**

Receiving Date: 08/25/08
Reporting Date: 08/26/08
Project Owner: NOT GIVEN
Project Name: CONOCO PHILLIPS MCA WELL 391
Project Location: MALJAMAR, NM

Analysis Date: 08/25/08
Sampling Date: 08/25/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cf (mg/kg)
H15810-1	SR1-003 3.5'	160
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		< 0.1

METHOD: Standard Methods

4500-СГВ

Note: Analysis performed on a 1:4 w:v aqueous extract.

Chemist

08-26-08
Date

H15810 Sport Environmental

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Page ____ of ____

Company Name: <u>Sport Environmental</u>				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Debra S. Smith</u>				P.O. #:																									
Address: <u>502 North Big Spring Str.</u>				Company:																									
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn:																									
Phone #: <u>432 683 1100</u> Fax #: <u>888 500 0622</u>				Address:																									
Project #: _____ Project Owner:				City:																									
Project Name: <u>ConocoPhillips MOA WELL 391</u>				State: _____ Zip: _____																									
Project Location: <u>Malsam, NM</u>				Phone #: _____																									
Sampler Name:				Fax #: _____																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		[G]RAB OR [C]OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACIDBASE ICE / COOL OTHER:		DATE TIME													
H15810-1		SRI-003 35'		C 1				X				X		8-25-08 14:30		C1													

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Sample Relinquished: <u>Mark Staley</u> Date: <u>8-25-08</u>		Received By: <u>Noty Subut</u>		Phone Result: <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: _____ Date: _____		Received By: _____		Fax Result: <input type="checkbox"/> No Add'l Fax #:	
Time: _____		Temp. _____		REMARKS: <u>RUSH!</u>	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: <u>MOAB</u>	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			

↑ Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

Analytical Report 309015

for

Big D Equipment

Project Manager: Nick Tomlin

South of MCA Unit #391

2630 FSL & 662 FEL

06-AUG-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



06-AUG-08

Project Manager: **Nick Tomlin**

Big D Equipment

4501 East Highway 80

Midland, TX 79708

Reference: XENCO Report No: **309015**

South of MCA Unit #391

Project Address: Unit H, SEC, 25-T175-R32E

Nick Tomlin:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 309015. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 309015 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 309015



Big D Equipment, Midland, TX
South of MCA Unit #391

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
2 inches/73008-1-1	S	Jul-30-08 11:40		309015-001
73008-2-1	S	Jul-30-08 11:52		309015-002
73008-3-1	S	Jul-30-08 12:05		309015-003
73008-4-1	S	Jul-30-08 12:12		309015-004
73008-5-1	S	Jul-30-08 12:22		309015-005
73008-6-1	S	Jul-30-08 12:36		309015-006
73008-7-1	S	Jul-30-08 12:45		309015-007



Certificate of Analysis Summary 309015

Big D Equipment, Midland, TX

Project Name: South of MCA Unit #391

Project Id: 2630 FSL & 662 FEL

Contact: Nick Tomlin

Project Location: Unit H, SEC, 25-T175-R32E

Date Received in Lab: Thu Jul-31-08 08:42 am


Report Date: 06-AUG-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	309015-001	309015-002	309015-003	309015-004	309015-005	309015-006
	Field Id:	2 inches/73008-1-1	73008-2-1	73008-3-1	73008-4-1	73008-5-1	73008-6-1
	Depth:						
	Matrix:	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE
	Sampled:	Jul-30-08 11:40	Jul-30-08 11:52	Jul-30-08 12:05	Jul-30-08 12:12	Jul-30-08 12:22	Jul-30-08 12:36
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		70800 617	101000 1240	74300 634	75200 644	166000 11900	74800 588
Percent Moisture	Extracted:						
	Analyzed:	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		19	19.3	21.1	22.3	15.9	15
TPH by SW8015 Mod	Extracted:	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05
	Analyzed:	Aug-05-08 14:29	Aug-05-08 14:56	Aug-05-08 15:23	Aug-05-08 15:49	Aug-05-08 16:16	Aug-05-08 16:43
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		183 18.5	30.0 18.6	131 19.0	62.5 19.3	50.9 17.8	80.1 17.6
C12-C28 Diesel Range Hydrocarbons		218 18.5	249 18.6	346 19.0	81.8 19.3	116 17.8	73.0 17.6
C28-C35 Oil Range Hydrocarbons		42.4 18.5	ND 18.6	56.7 19.0	ND 19.3	ND 17.8	ND 17.6
Total TPH		443.4	279	533.7	144.3	166.9	153.1

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Certificate of Analysis Summary 309015

Big D Equipment, Midland, TX

Project Name: South of MCA Unit #391

Project Id: 2630 FSL & 662 FEL

Contact: Nick Tomlin

Project Location: Unit H, SEC, 25-T175-R32E

Date Received in Lab: Thu Jul-31-08 08.42 am

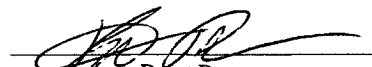
Report Date: 06-AUG-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	309015-007					
	Field Id:	73008-7-1					
	Depth:						
	Matrix:	SLUDGE					
	Sampled:	Jul-30-08 12:45					
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:	Jul-31-08 14:31					
	Units/RL:	mg/kg RL					
Chloride		68500 632					
Percent Moisture	Extracted:						
	Analyzed:	Jul-31-08 17:00					
	Units/RL:	% RL					
Percent Moisture		20.9					
TPH by SW8015 Mod	Extracted:	Aug-04-08 16:05					
	Analyzed:	Aug-05-08 17:10					
	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		45 1 19.0					
C12-C28 Diesel Range Hydrocarbons		314 19.0					
C28-C35 Oil Range Hydrocarbons		56.0 19.0					
Total TPH		415 1					

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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6017 Financial Dr., Norcross, GA 30071

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(281) 589-0692	(281) 589-0695
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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309015

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 730171

Sample: 309015-001 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

Lab Batch #: 730171

Sample: 309015-002 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	58.0	50.0	116	70-135	

Lab Batch #: 730171

Sample: 309015-003 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 730171

Sample: 309015-004 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

Lab Batch #: 730171

Sample: 309015-005 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	53.7	50.0	107	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 \times A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309015

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 730171

Sample: 309015-006 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	54.2	50.0	108	70-135	

Lab Batch #: 730171

Sample: 309015-007 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	54.3	50.0	109	70-135	

Lab Batch #: 730171

Sample: 513394-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	59.3	50.0	119	70-135	

Lab Batch #: 730171

Sample: 513394-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	58.5	50.0	117	70-135	

Lab Batch #: 730171

Sample: 513394-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	60.4	50.0	121	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: South of MCA Unit #391

Work Order #: 309015

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 729794

Sample: 729794-1-BKS

Matrix: Solid

Date Analyzed: 07/31/2008

Date Prepared: 07/31/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	11.9	13.8	116	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309015

Analyst: ASA

Date Prepared: 08/04/2008

Project ID: 2630 FSL & 662 FEL

Date Analyzed: 08/05/2008

Lab Batch ID: 730171

Sample: 513394-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	ND	1000	859	86	1000	869	87	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	902	90	1000	875	88	3	70-135	35	

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309015

Lab Batch #: 729794

Date Analyzed: 07/31/2008

QC- Sample ID: 308941-001 S

Date Prepared: 07/31/2008

Project ID: 2630 FSL & 662 FEL

Analyst: LATCOR

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	319	238	597	117	75-125	

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
Relative Percent Difference [E] = $200 \cdot (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: South of MCA Unit #391

Work Order #: 309015

Lab Batch #: 729794

Date Analyzed: 07/31/2008

QC- Sample ID: 308941-001 D

Reporting Units: mg/kg

Project ID: 2630 FSL & 662 FEL

Analyst: LATCOR

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	319	316	1	20	

Lab Batch #: 729661

Date Analyzed: 07/31/2008

QC- Sample ID: 309015-001 D

Reporting Units: %

Date Prepared: 07/31/2008

Analyst: JLG

Batch #: 1

Matrix: Sludge

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	19.0	18.7	2	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

① DATE 7/30/08 LEA, COUNTY NEW MEXICO
Environmental Lab of Texas

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone 432-563-1800
Fax 432-563 1713

Project Manager NICK TOMLIN

Company Name BIG D EQUIPMENT

Company Address: 4501 EAST HIGHWAY 80

City/State/Zip: MIDLAND TEXAS 79708

Telephone No. 432 6888100

Fax No 432 687-2511

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature Martin Zedler & Roland Lande-mail

[illegible]

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client Big D Equipment
 Date/ Time 7/3/08 8:42
 Lab ID # 309015
 Initials JG

Sample Receipt Checklist

				Client Initials	
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/>	° C
#2	Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3	Custody Seals intact on shipping container/ cooler? <u>36, 12/1/08</u>	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/>	Not Present
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Not Present
#5	Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		ID written on Cont./ Lid
#9	Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		See Below
#13	Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		See Below
#14	Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		See Below
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		See Below
#19	Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Not Applicable
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		Not Applicable

Variance Documentation

Contact _____ Contacted by: _____ Date/ Time: _____

Regarding _____

Corrective Action Taken.

Check all that Apply

- ☐ See attached e-mail/ fax
☐ Client understands and would like to proceed with analysis
☐ Cooling process had begun shortly after sampling event

Analytical Report 309017

for

Big D Equipment

Project Manager: Nick Tomlin

South of MCA Unit #391

2630 FSL & 662 FEL

06-AUG-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

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Midland - Corpus Christi - Atlanta



06-AUG-08

Project Manager: **Nick Tomlin**

Big D Equipment

4501 East Highway 80

Midland, TX 79708

Reference: XENCO Report No: **309017**

South of MCA Unit #391

Project Address: Unit H, SEC, 25-T175-R32E

Nick Tomlin:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 309017. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 309017 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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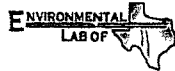
Sample Cross Reference 309017



Big D Equipment, Midland, TX

South of MCA Unit #391

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
4 inches/73008-1-1	S	Jul-30-08 13:05		309017-001
73008-2-1	S	Jul-30-08 13:18		309017-002
73008-3-1	S	Jul-30-08 13:26		309017-003
73008-4-1	S	Jul-30-08 13:34		309017-004
73008-5-1	S	Jul-30-08 13:48		309017-005



Certificate of Analysis Summary 309017

Big D Equipment, Midland, TX

Project Name: South of MCA Unit #391

Project Id: 2630 FSL & 662 FEL

Contact: Nick Tomlin

Project Location: Unit H, SEC, 25-T175-R32E

Date Received in Lab: Thu Jul-31-08 08.42 am


Report Date: 06-AUG-08

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	309017-001	309017-002	309017-003	309017-004	309017-005	
	Field Id:	4 inches/73008-1-1	73008-2-1	73008-3-1	73008-4-1	73008-5-1	
	Depth:						
	Matrix:	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	
	Sampled:	Jul-30-08 13:05	Jul-30-08 13:18	Jul-30-08 13:26	Jul-30-08 13:34	Jul-30-08 13:48	
Inorganic Anions by EPA 300	Extracted:						
	Analyzed:	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	Jul-31-08 14:31	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		15700 215	41000 604	46100 577	57300 579	38400 581	
Percent Moisture	Extracted:						
	Analyzed:	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	Jul-31-08 17:00	
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		7.1	17.2	13.4	13.6	14	
TPH by SW8015 Mod	Extracted:	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	Aug-04-08 16:05	
	Analyzed:	Aug-05-08 18:03	Aug-05-08 18:29	Aug-05-08 18:56	Aug-05-08 19:22	Aug-05-08 19:49	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		22.7 16.1	29.8 18.1	32.6 17.3	30.7 17.4	ND 17.4	
C12-C28 Diesel Range Hydrocarbons		88.1 16.1	316 18.1	134 17.3	256 17.4	23.7 17.4	
C28-C35 Oil Range Hydrocarbons		ND 16.1	35.5 18.1	ND 17.3	28.3 17.4	ND 17.4	
Total TPH		110.8	381.3	166.6	315	23.7	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron
Odessa Laboratory Director



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F RPD exceeded lab control limits.
 - J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
 - U Analyte was not detected.
 - L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309017

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 730171

Sample: 309017-001 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	105	100	105	70-135	
o-Terphenyl	54.8	50.0	110	70-135	

Lab Batch #: 730171

Sample: 309017-002 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	53.3	50.0	107	70-135	

Lab Batch #: 730171

Sample: 309017-003 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	53.7	50.0	107	70-135	

Lab Batch #: 730171

Sample: 309017-004 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	54.6	50.0	109	70-135	

Lab Batch #: 730171

Sample: 309017-005 / SMP

Batch: 1 Matrix: Sludge

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	53.7	50.0	107	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: South of MCA Unit #391



Work Order #: 309017

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 730171

Sample: 513394-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	59.3	50.0	119	70-135	

Lab Batch #: 730171

Sample: 513394-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	58.5	50.0	117	70-135	

Lab Batch #: 730171

Sample: 513394-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	60.4	50.0	121	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: South of MCA Unit #391

Work Order #: 309017

Project ID: 2630 FSL & 662 FEL

Lab Batch #: 729794

Sample: 729794-1-BKS

Matrix: Solid

Date Analyzed: 07/31/2008

Date Prepared: 07/31/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	11.9	13.8	116	75-125	

Blank Spike Recovery [D] = $100 \times [C]/[B]$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: South of MCA Unit #391

Work Order #: 309017

Analyst: ASA

Date Prepared: 08/04/2008

Project ID: 2630 FSL & 662 FEL

Date Analyzed: 08/05/2008

Lab Batch ID: 730171

Sample: 513394-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
C6-C12 Gasoline Range Hydrocarbons	ND	1000	859	86	1000	869	87	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	902	90	1000	875	88	3	70-135	35	

Relative Percent Difference RPD = $200 * |(D-F)/(D+F)|$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: South of MCA Unit #391



Work Order #: 309017

Lab Batch #: 729794

Date Analyzed: 07/31/2008

QC- Sample ID: 308941-001 S

Date Prepared: 07/31/2008

Batch #: 1

Project ID: 2630 FSL & 662 FEL

Analyst: LATCOR

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	319	238	597	117	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes



Sample Duplicate Recovery



Project Name: South of MCA Unit #391

Work Order #: 309017

Lab Batch #: 729794

Date Analyzed: 07/31/2008

QC- Sample ID: 308941-001 D

Reporting Units: mg/kg

Project ID: 2630 FSL & 662 FEL

Analyst: LATCOR

Date Prepared: 07/31/2008

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	319	316	1	20	

Lab Batch #: 729661

Date Analyzed: 07/31/2008

QC- Sample ID: 309015-001 D

Reporting Units: %

Date Prepared: 07/31/2008

Batch #: 1

Analyst: JLG

Matrix: Sludge

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	19.0	18.7	2	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

DATE 7/30/08 L2A COUNTY NEW MEXICO

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone 432-563-1800
Fax 432-563-1713

Project Manager NICK TOMLIN

Company Name BIG D EQUIPMENT

Company Address: 4001 E HIGHWAY 80

City/State/Zip. MIDLAND TEXAS 79708

Telephone No 432 688-8100 Fax No 432 687-2511

Sampler Signature: MARTIN RAINES e-mail.

SOUTH OF Fax 432-563-1713
Project Name: MCA UNIT #391
Project #: Q630 FSL 3 662 FEL
Project Loc: UNIT #1 SEC 25-T175-R32E
NMMN - API #30-025-3853

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

[illegible]

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client Big D Equipment
Date/ Time 7/31/08 8:42
Lab ID # 309017
Initials JG

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	O °C
#2	Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present
#5	Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont / Lid
#9	Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#13	Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#14	Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below
#19	Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>(Not Applicable)</u>
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

Variance Documentation

Contact _____ Contacted by _____ Date/ Time _____

Regarding _____

Corrective Action Taken.

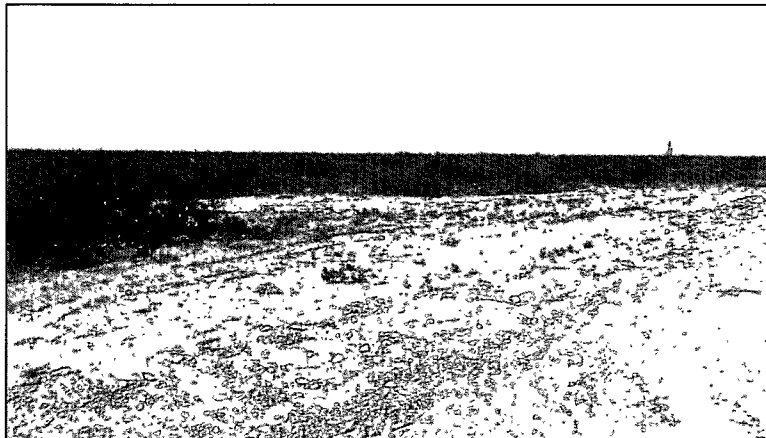
- Check all that Apply
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

Daily Activity and Trucking Summary

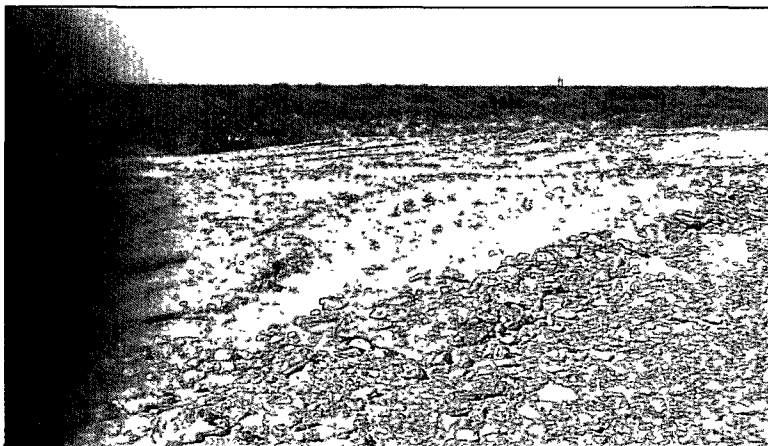
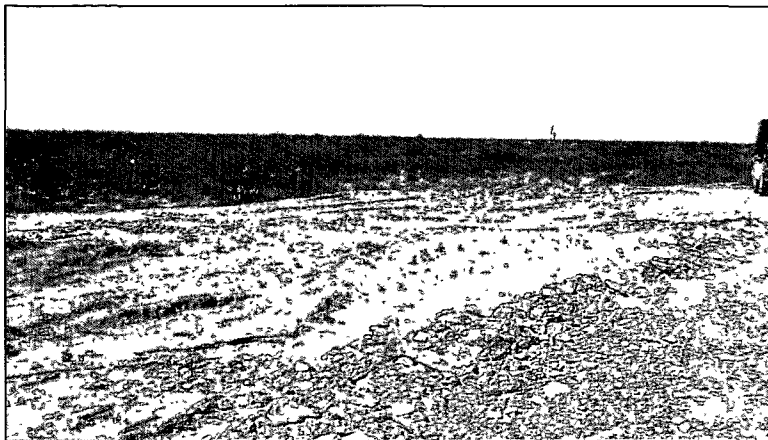
ConocoPhillips
Location: MCA Well #391

Date	Daily Description of Work Performed	Trucking Co. Loads Hauled	CRI Loads Recvd
8/12/2008	Safety training - one hour.		
8/13/2008	Hauled 8 loads of contaminated soil to CRI. Took samples from backfill soil. Used a loader to dig up the contaminated soil. Equipment: 2 dump trucks earlier in the day, 4 dump trucks near the end of the day, 1 loader	3 (yds not specified)	9 loads of 12 yd. = 108 yds
8/14/2008	Hauled 16 loads of contaminated soil to CRI. Everything to haul is dug up and stockpiled. Requested additional trucks for hauling tomorrow. We should finish hauling tomorrow and will then be ready to take soil samples. Samples will be delivered to Cardinal Labs after completion of soil sampling. Equipment: 4 dump trucks, 1 loader	4 (yds not specified)	12 loads of 12 yd. = 144 yds 2 loads of 20 yds = 40 yds TOTAL of 184 yds
8/15/2008	Continued hauling contaminated soil to CRI. The soil dried up from yesterday's rain and could see the salt crystals on the surface. Took most of excavation to 3'. Hit a caliche layer at 3'. Could still see salt on the top of the soil. Took 18 samples from the excavation and 3 samples from the backfill pile. Hauled 20 loads with 12 yard dumps and 14 loads with 20 yard dumps. Total of 520 yards hauled today. Equipment: 4 - 12 yd dump trucks, 3 - 20 yd dump trucks, 1 loader	34 (yds not specified)	27 loads of 12 yd = 324 yds 7 loads of 20 yds = 140 yds TOTAL of 464 yds
8/18/2008	We moved 20 loads with the 12yd dumps and 10 loads with the 20yd belly dumps . We dug out the east quadrant and west quadrant down to the caliche level. We can't go any further till the morning when we get a dozer. We also started figging out the north end of the road. Total yds today - 440 yds. Equipment: 4-12yd trucks, 2-20yd trucks and one loader	25 (yds not specified)	19 loads of 12 yd. = 228 yds 8 loads of 20 yds = 160 yds 1 load no yds given TOTAL of 388+ yds
8/19/2008	Continued hauling contaminated soil to CRI. Used a dozer to dig one foot on the west and south quadrant. Started cleaning up the road. Ran into historic oil contaminated soil under the caliche road. Took pictures of oil. Will deliver to Nick and forward to Cody Brunette to make decision on road. Hauled 20 loads with 12yd dump trucks and 14 loads with 20yd belly dumps. Hauled 520 yards today. Equipment: 4-12yd dump trucks, 4-20yd belly dumps, 1 loader, 1 dozer	27 (yds not specified)	19 loads of 12 yd. = 228 yds 14 loads of 20 yds = 280 yds 1 load no yds given TOTAL of 508+ yds
8/20/2008	Finished cleaning up the road to the MCA 196. Continued hauling contaminated soil to CRI. Hauled 20 loads with 12yd dump trucks and 20 loads with 20yd belly dumps. Hauled a total of 640 yards today. Will finish hauling soil to CRI tomorrow and will sample everything. Equipment: 4-20yd dumps, 4-12yd dumps, 1 loader and 1 dozer (2 hours then released).	30 (yds not specified)	20 loads of 12 yd. = 240 yds 19 loads of 20 yds = 380 yds 1 load 22 yds TOTAL of 642 yds
8/21/2008	Continued hauling contaminated soil to CRI. Sampled excavation area. All tools were decontaminated after each sample and latex gloves changed. We hauled 14 loads with 12yd trucks and 10 loads with 20yd trucks. Hauled 368 yards today. Moved dozer to caliche pit to begin pushing up caliche to put back on road. Equipment: 4-12 yard dump trucks, 3-20yd belly dumps, 1 loader, 1 dozer.	20 (yds not specified)	12 loads of 12 yd. = 144 yds 9 loads of 20 yds = 180 yds TOTAL of 324 yds
8/25/2008	Recieved soil analysis over the weekend. Everything clean except for the south quadrant in the road. Excavated area another 6" to 3.5'. Took one 20 yd load to CRI. Took soil analysis. Hauled 1008 yds from backfill to excavation area. Equipment: 2 12yd dump trucks(one broke down after 3 hours of work), 1 belly dump, 1 loader.	0 (yds not specified)	0 loads of 12 yd. = 180 yds 0 loads of 20 yds = 60 yds TOTAL of 0 yds
8/26/2008	Continued hauling soil to backfill excavation. Hauled 1104 yds. Most of backfill is completed just lack leveling. Equipment 2 dump trucks, motor grader(4 hours), dozer(1/2 day).	0 (yds not specified)	0 loads of 12 yd. = 180 yds 0 loads of 20 yds = 60 yds TOTAL of 0 yds
8/27/2008	Finished backfill with 11 more loads of topsoil (132yds). Total to date 2244yds backfill. Seeded area with #2 live seed. Big D started building caliche road to MCA 196. Equipment: 2 dump trucks, 1 loader, and 1 dozer	0 (yds not specified)	0 loads of 12 yd. = 180 yds 0 loads of 20 yds = 60 yds TOTAL of 0 yds

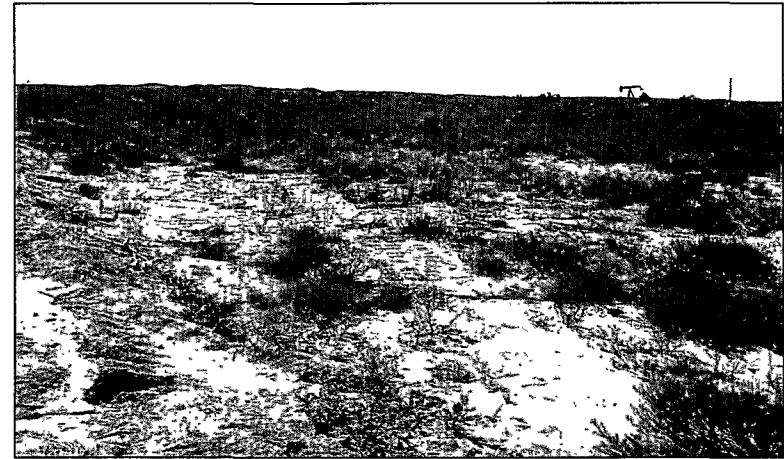
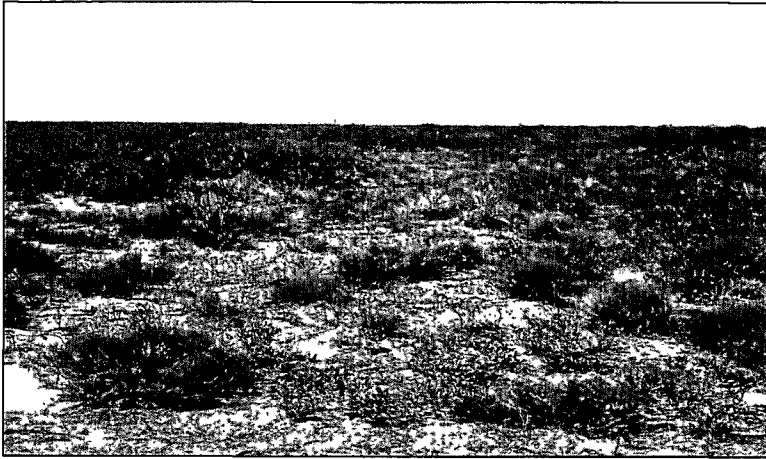
ConocoPhillips-MCA Well #391 Release
Site Photographs taken August 13, 2008
(p. 1 of 24)



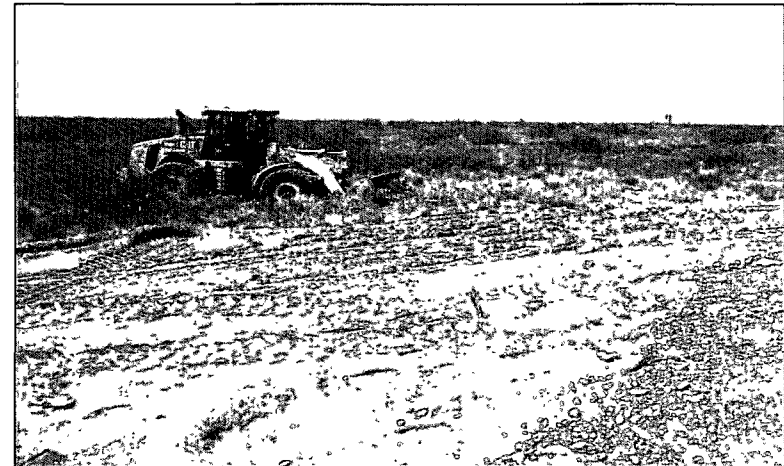
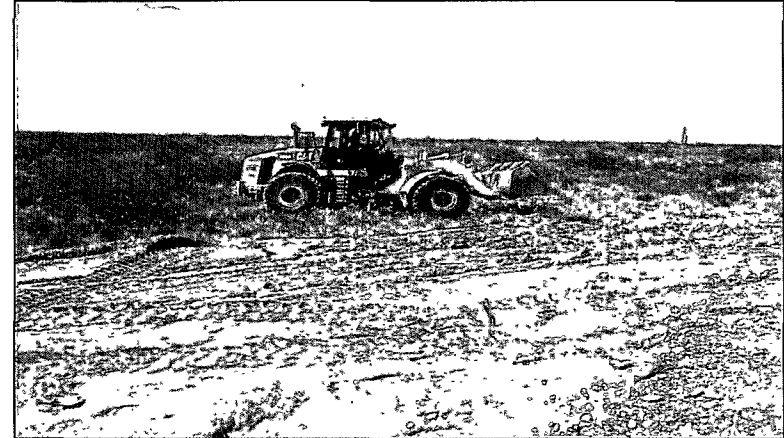
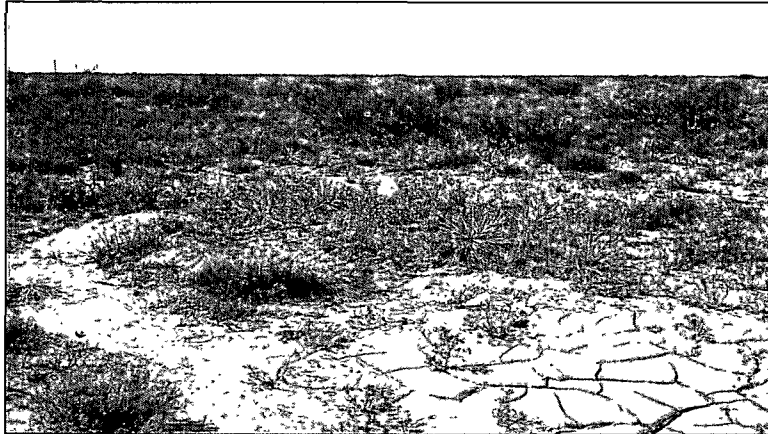
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Site Photographs taken August 13, 2008
(p. 2 of 24)



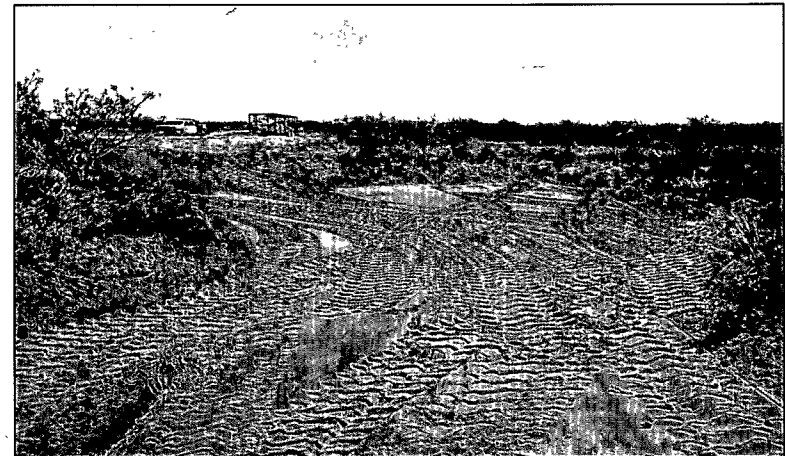
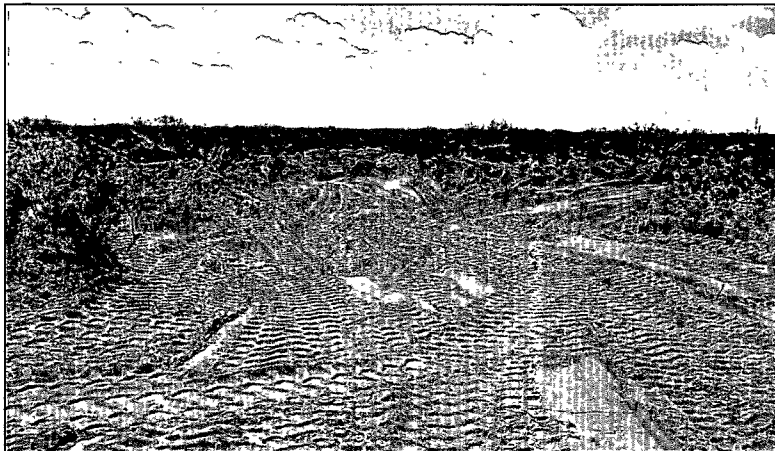
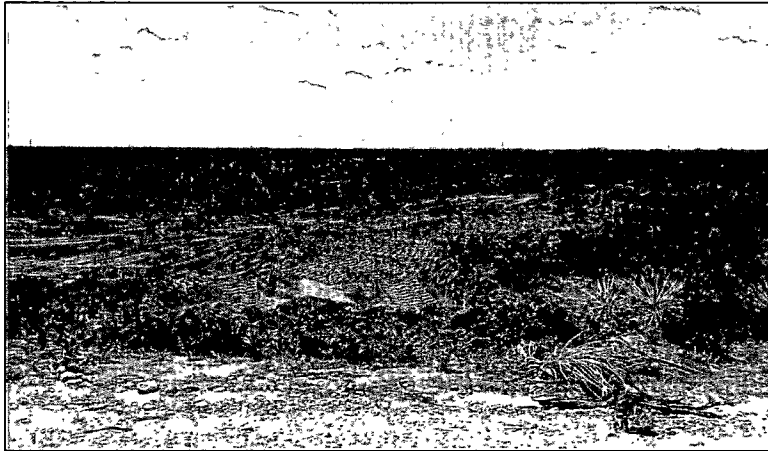
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Site Photographs taken August 13, 2008
(p. 3 of 24)



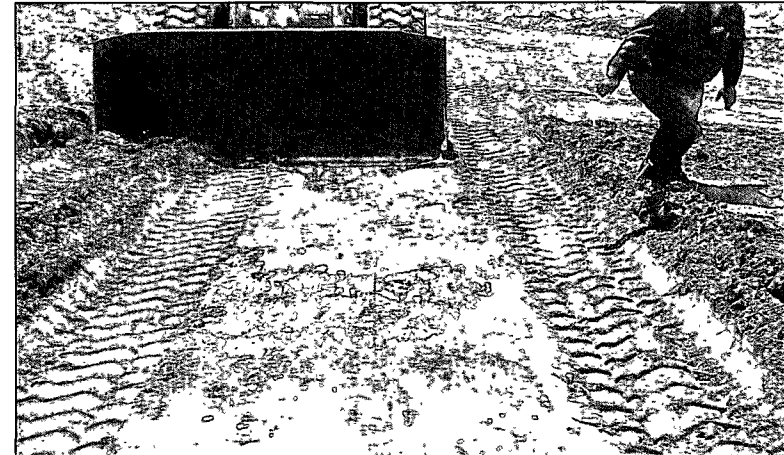
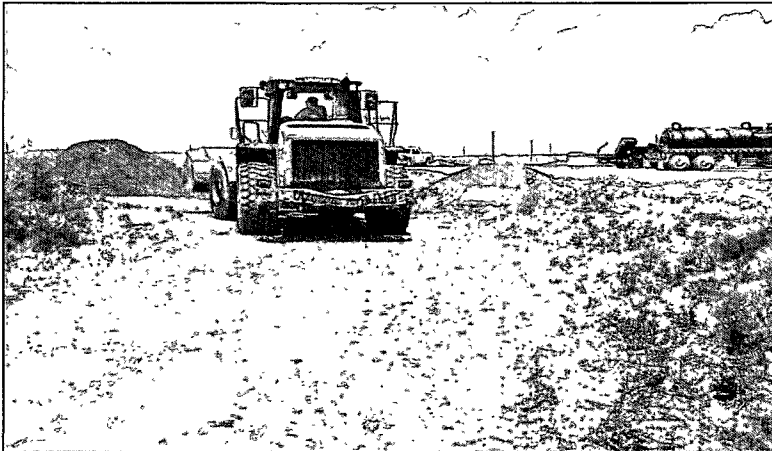
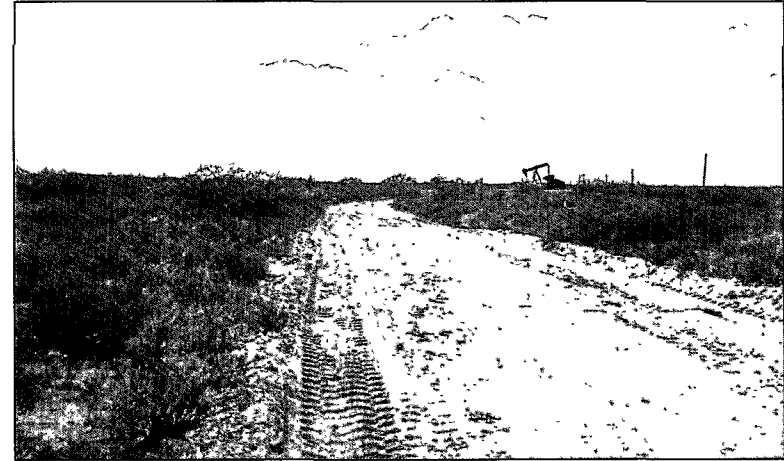
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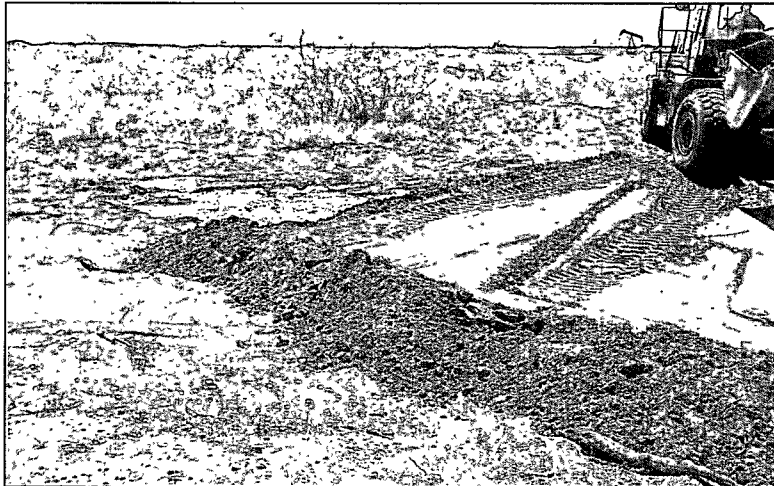
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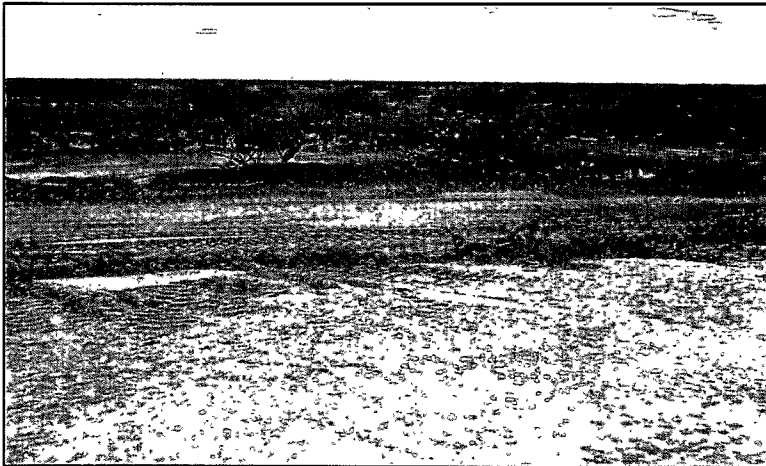
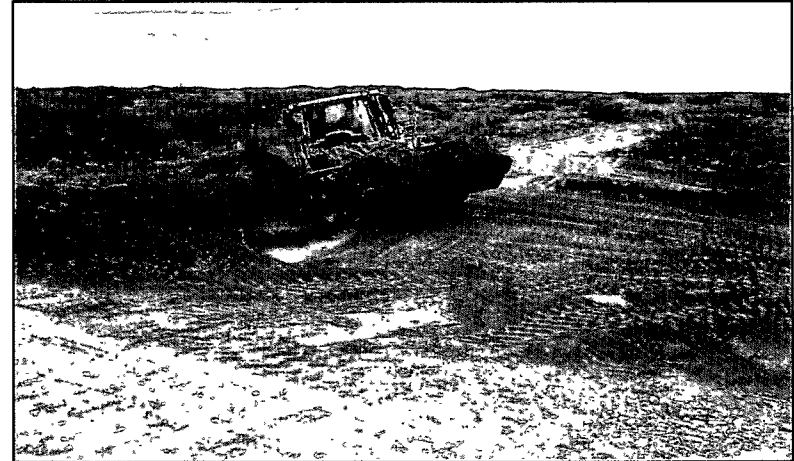
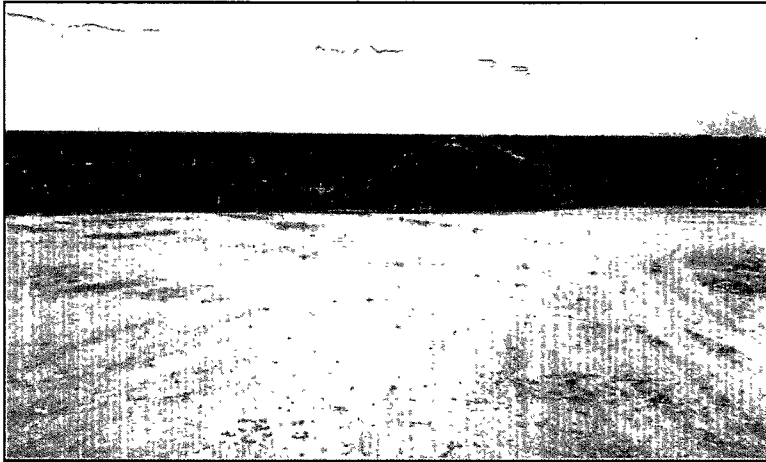
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(p. 6 of 24)



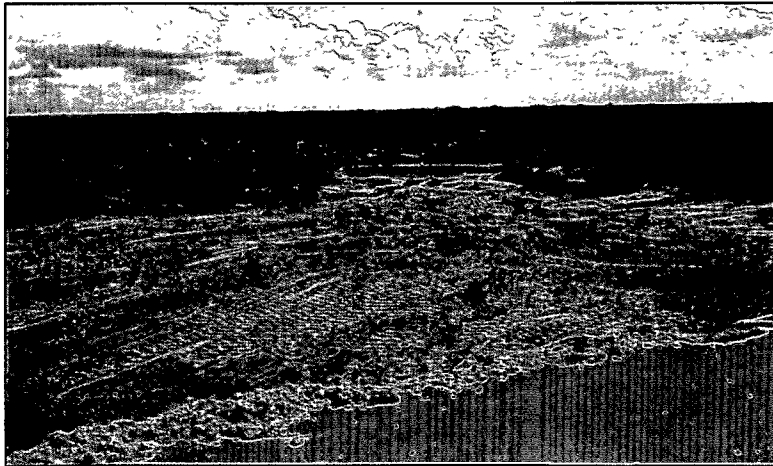
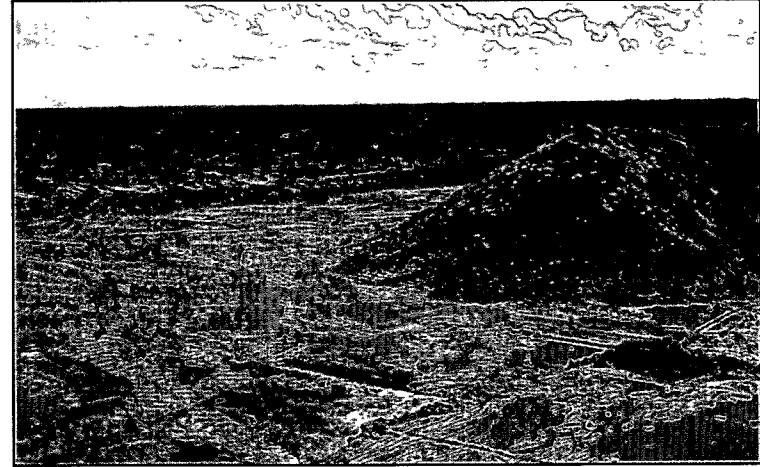
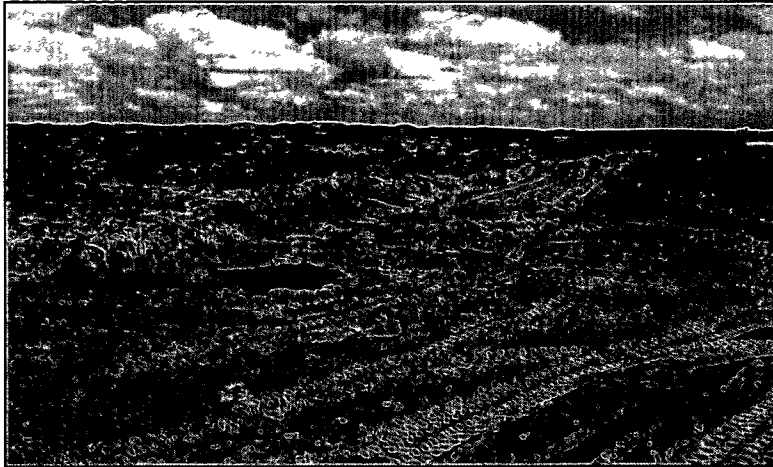
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(p. 7 of 24)



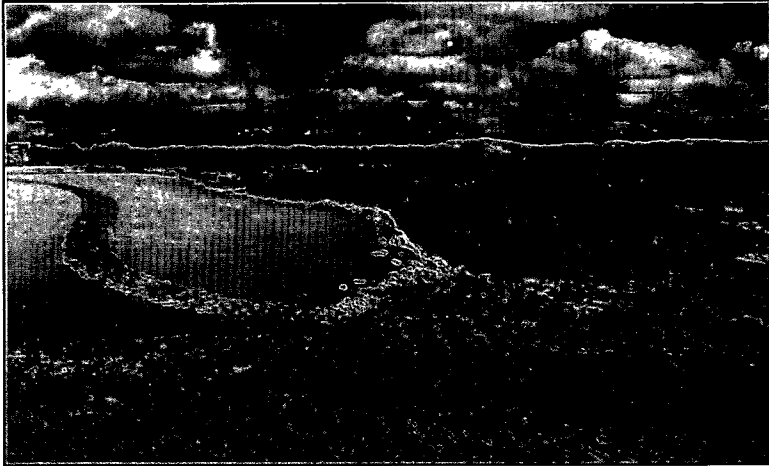
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(p. 8 of 24)



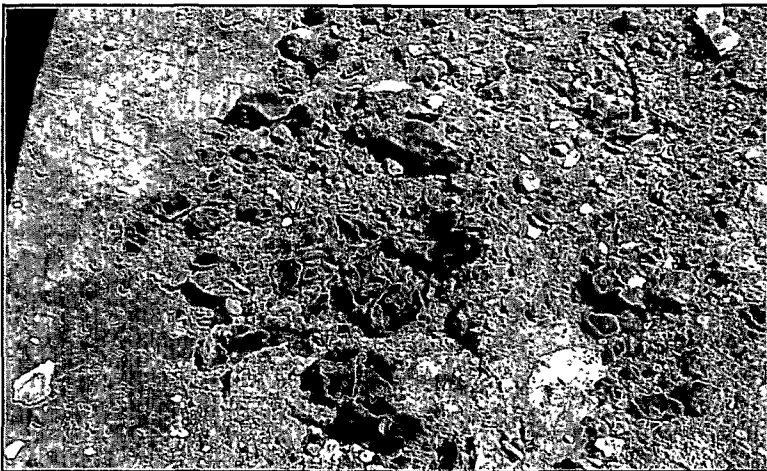
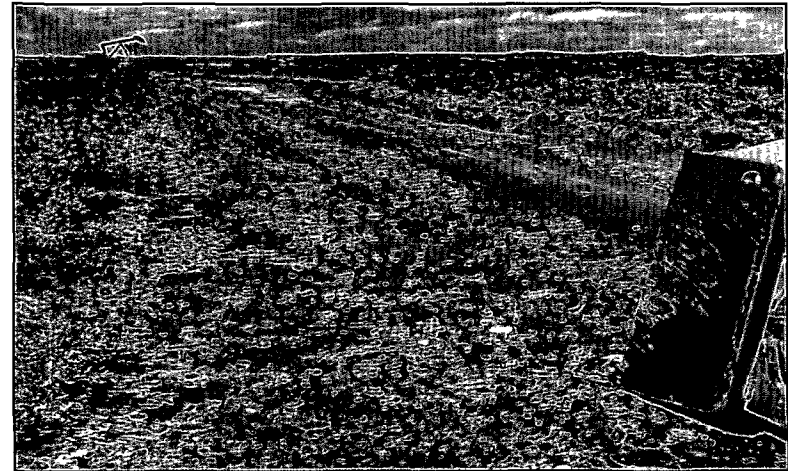
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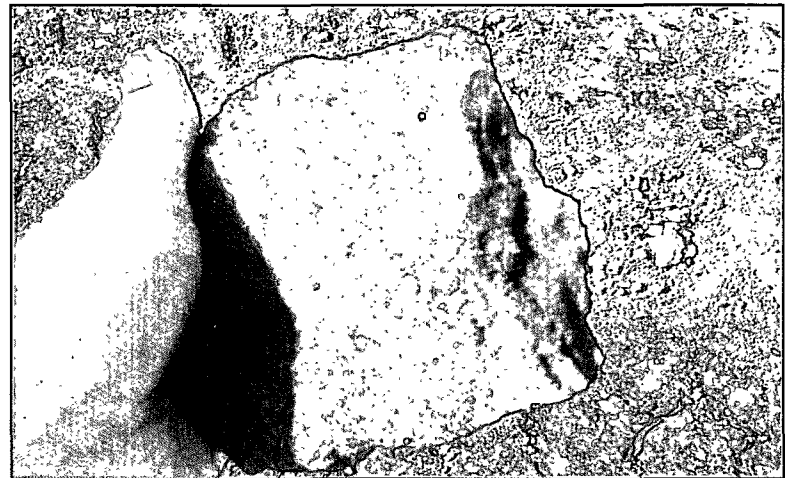
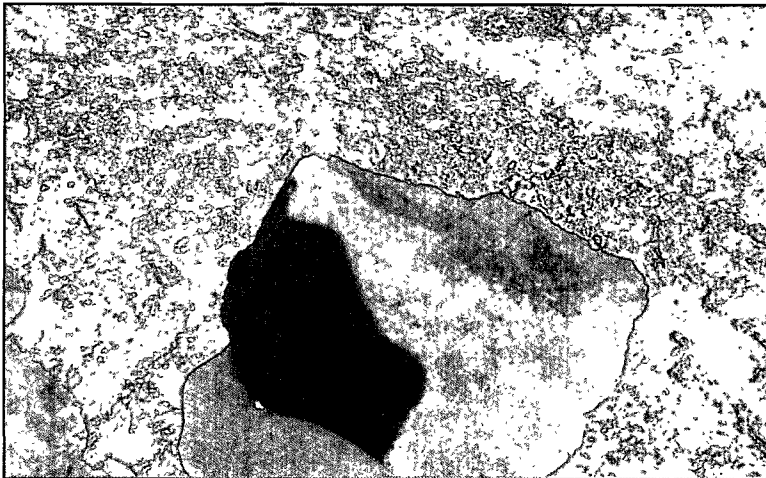
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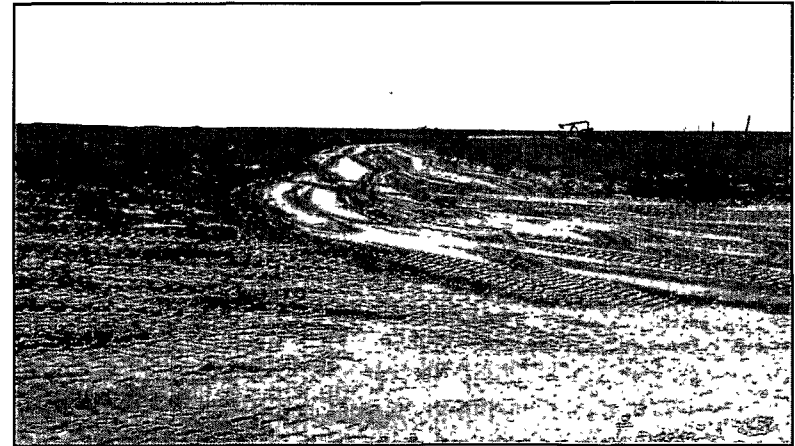
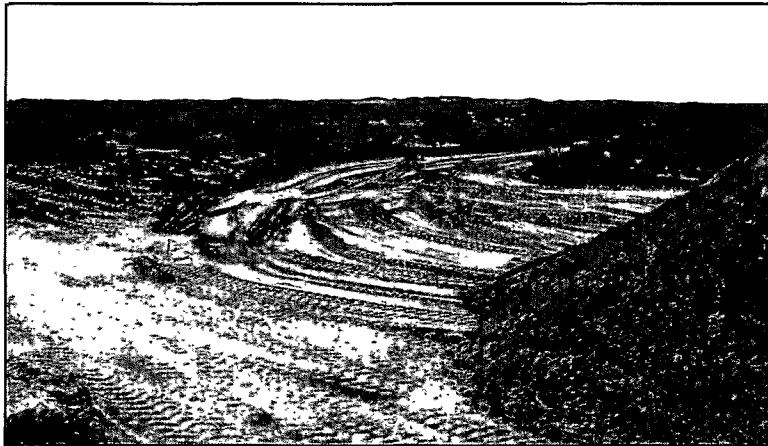
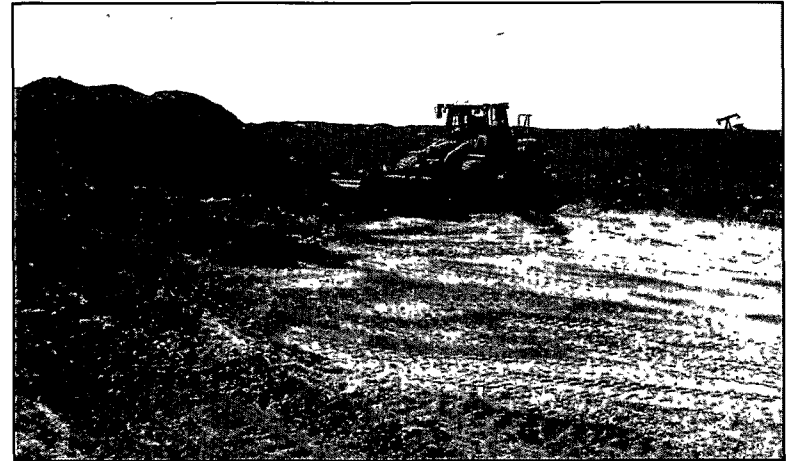
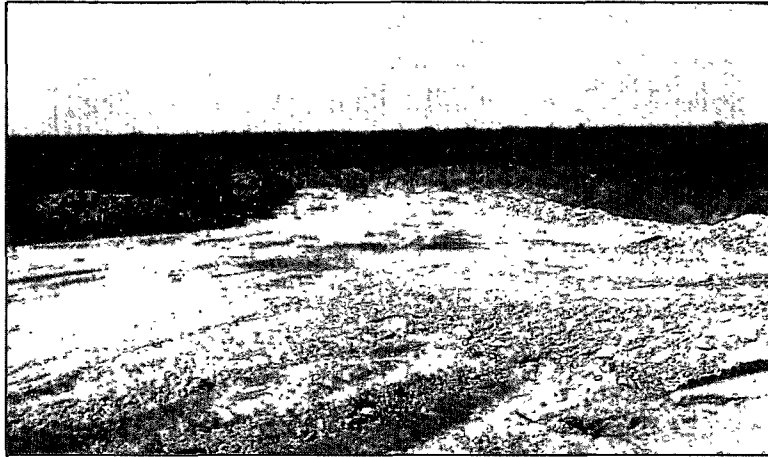
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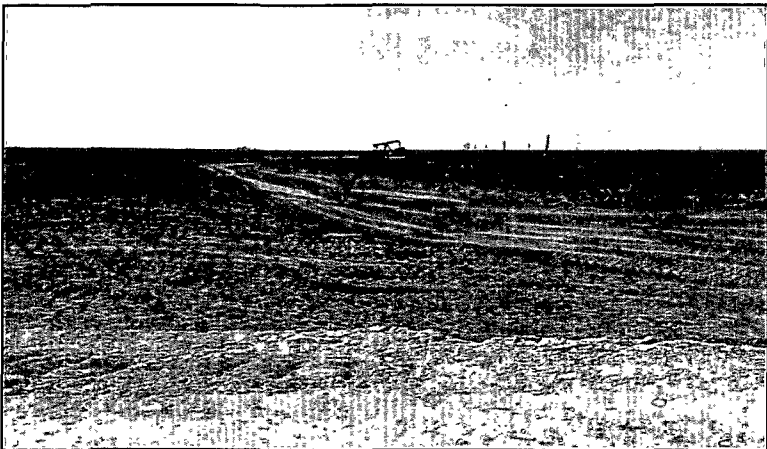


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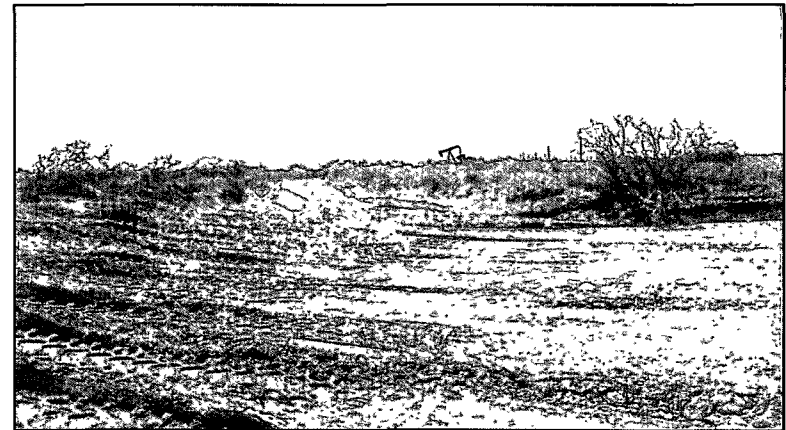


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Site Photographs taken August 20, 2008

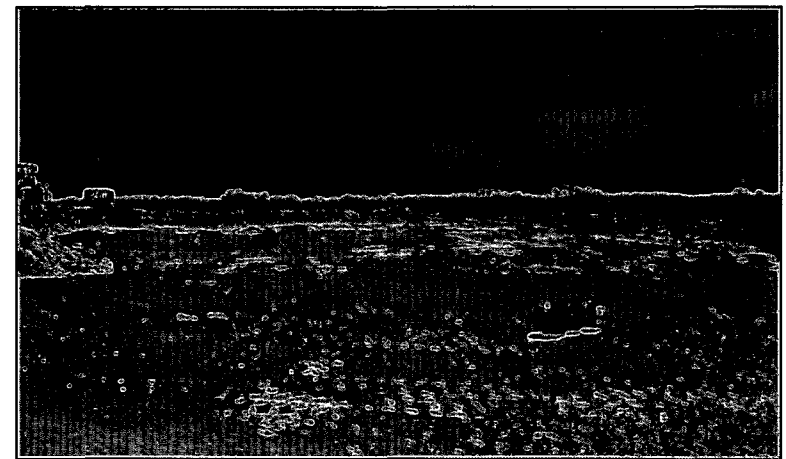
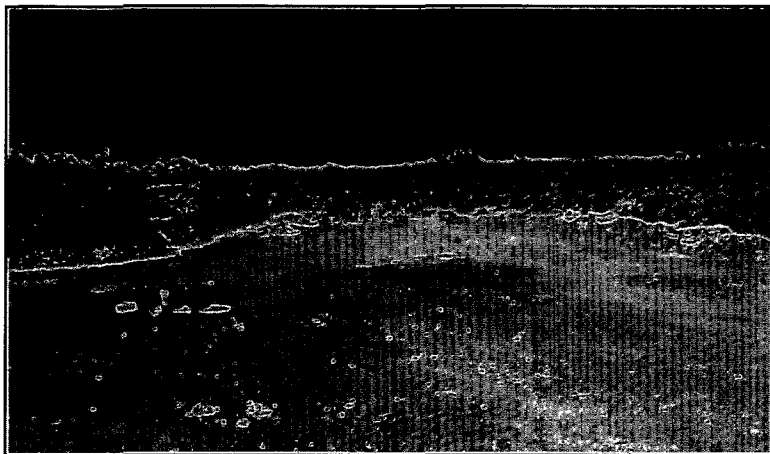
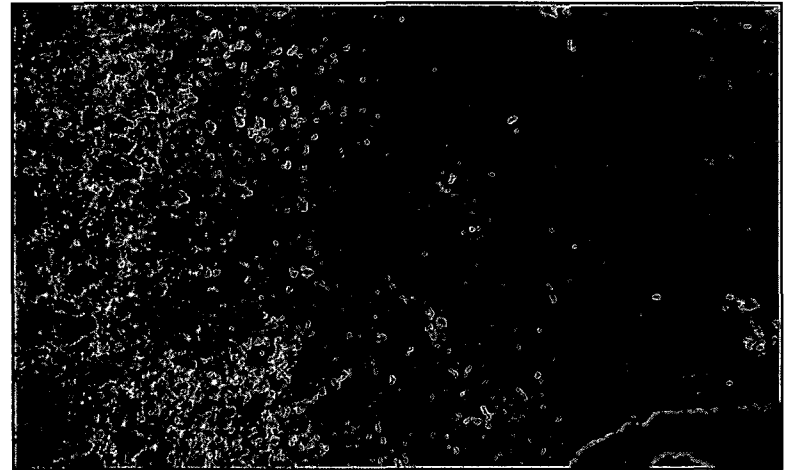
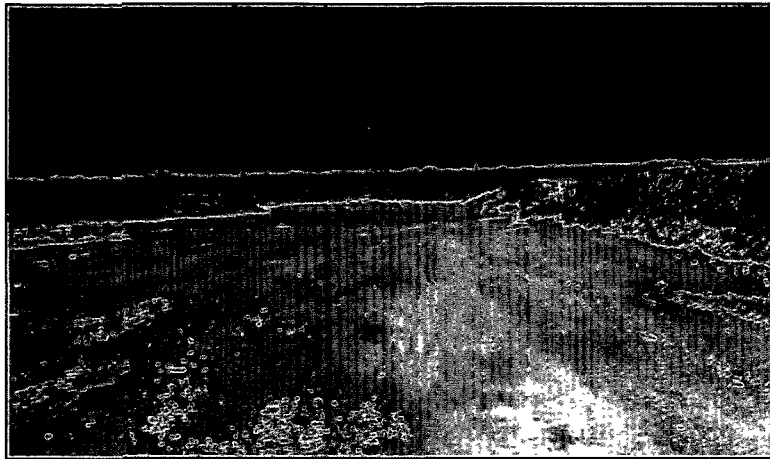
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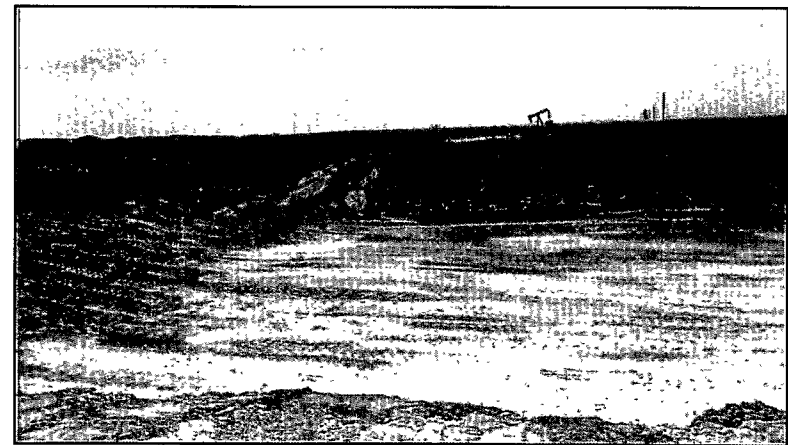
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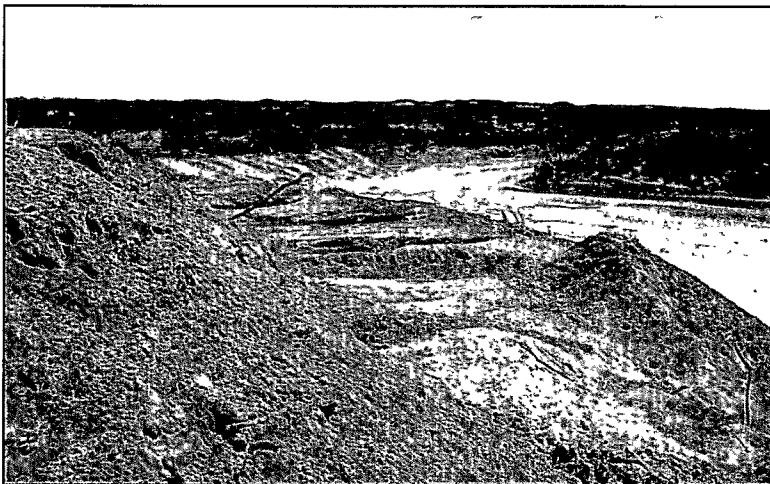
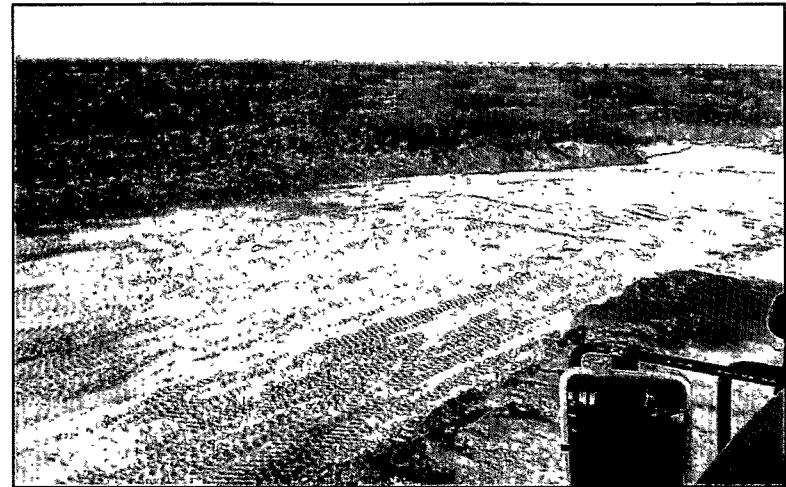
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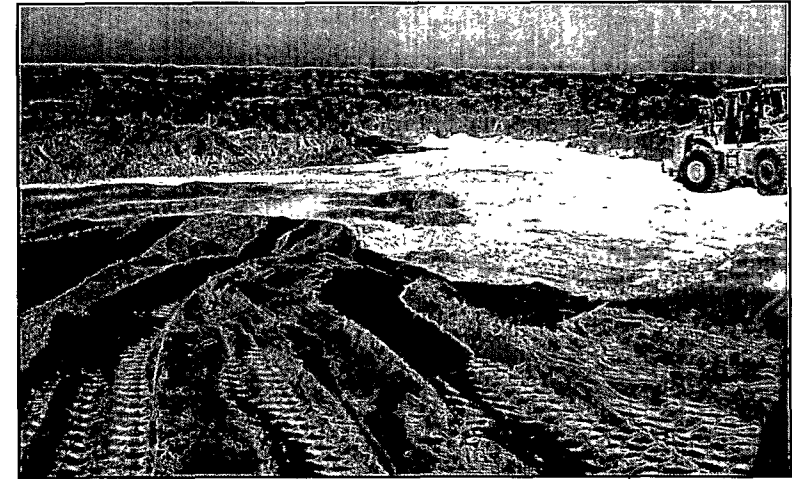
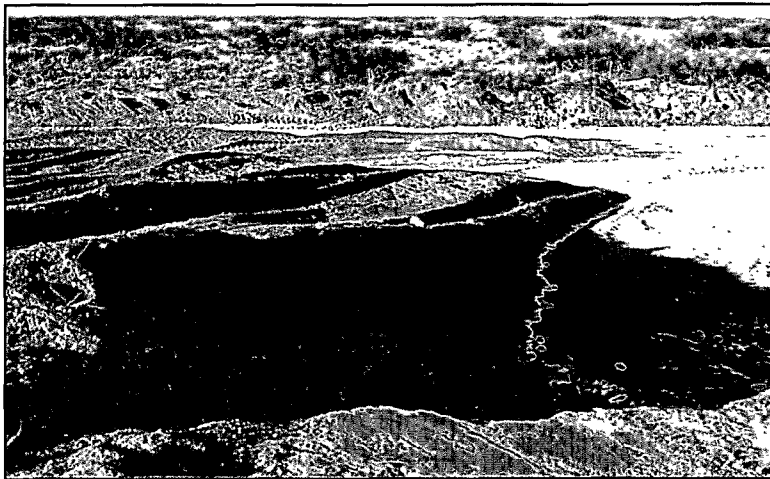
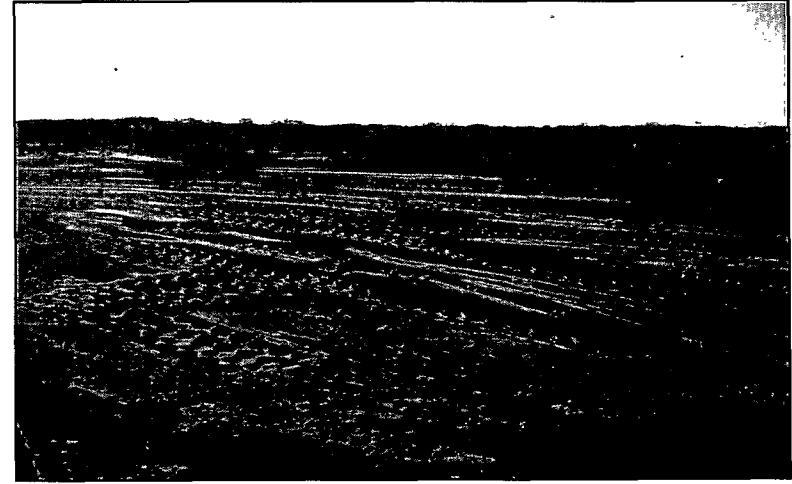
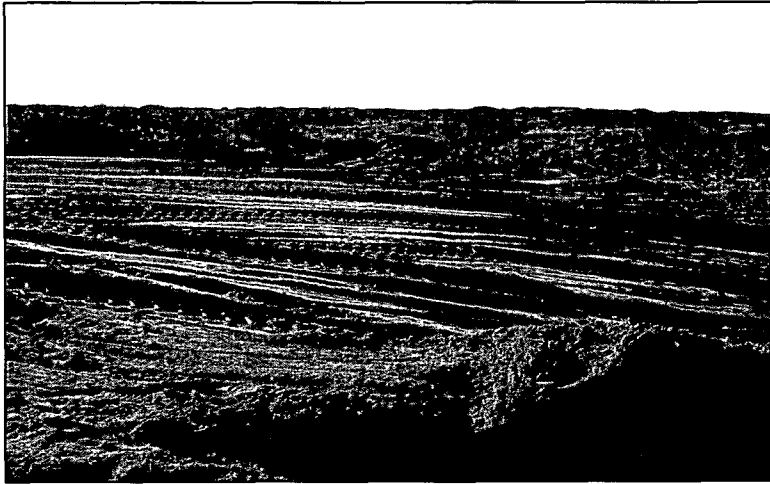
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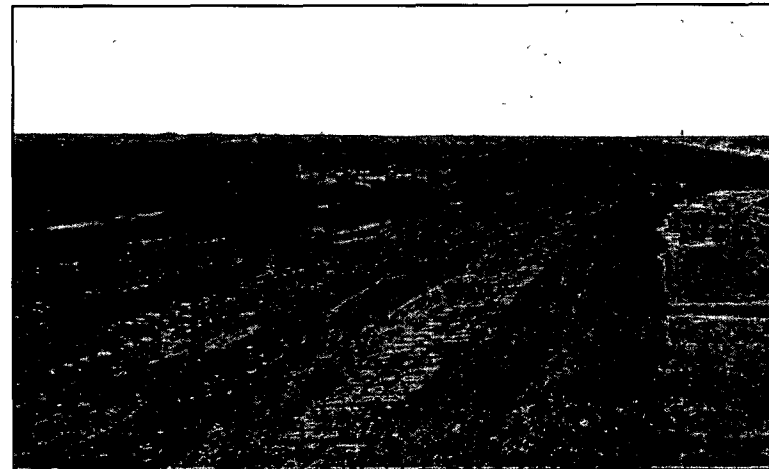
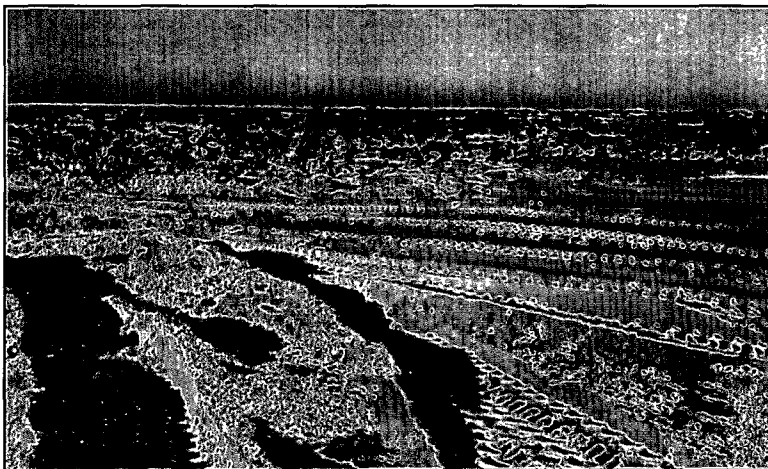
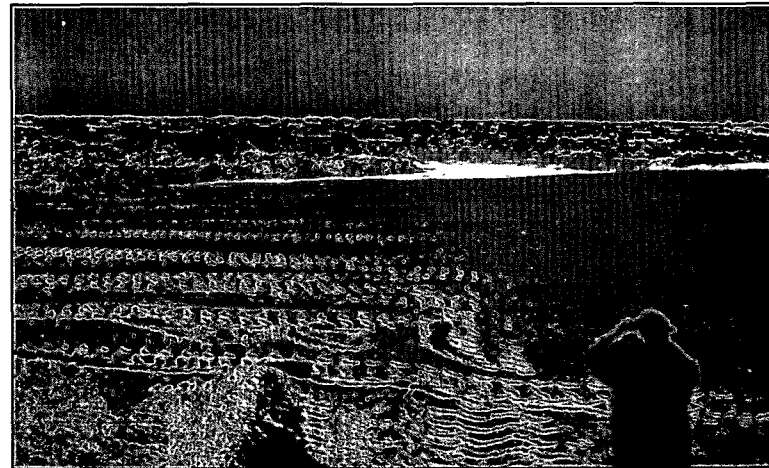
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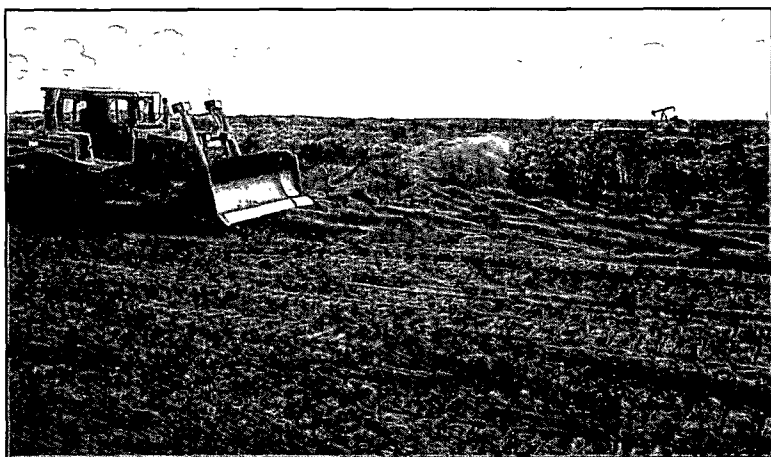
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