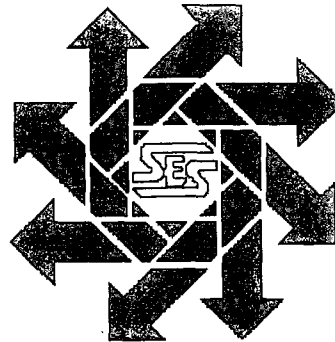


MAY - 7 2009

**Oxy USA Corporation
McKittrick Hills Central Tank Battery
Work Plan
Section 14, Township 22S, Range 24E
Eddy County, New Mexico**

May 28, 2008



Prepared for:

***Oxy USA WTP LP
P.O. Box 1988
Carlsbad, New Mexico 88221***

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton
Hobbs, New Mexico 88240
(575) 397-0510***

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Figure 1

Vicinity Map

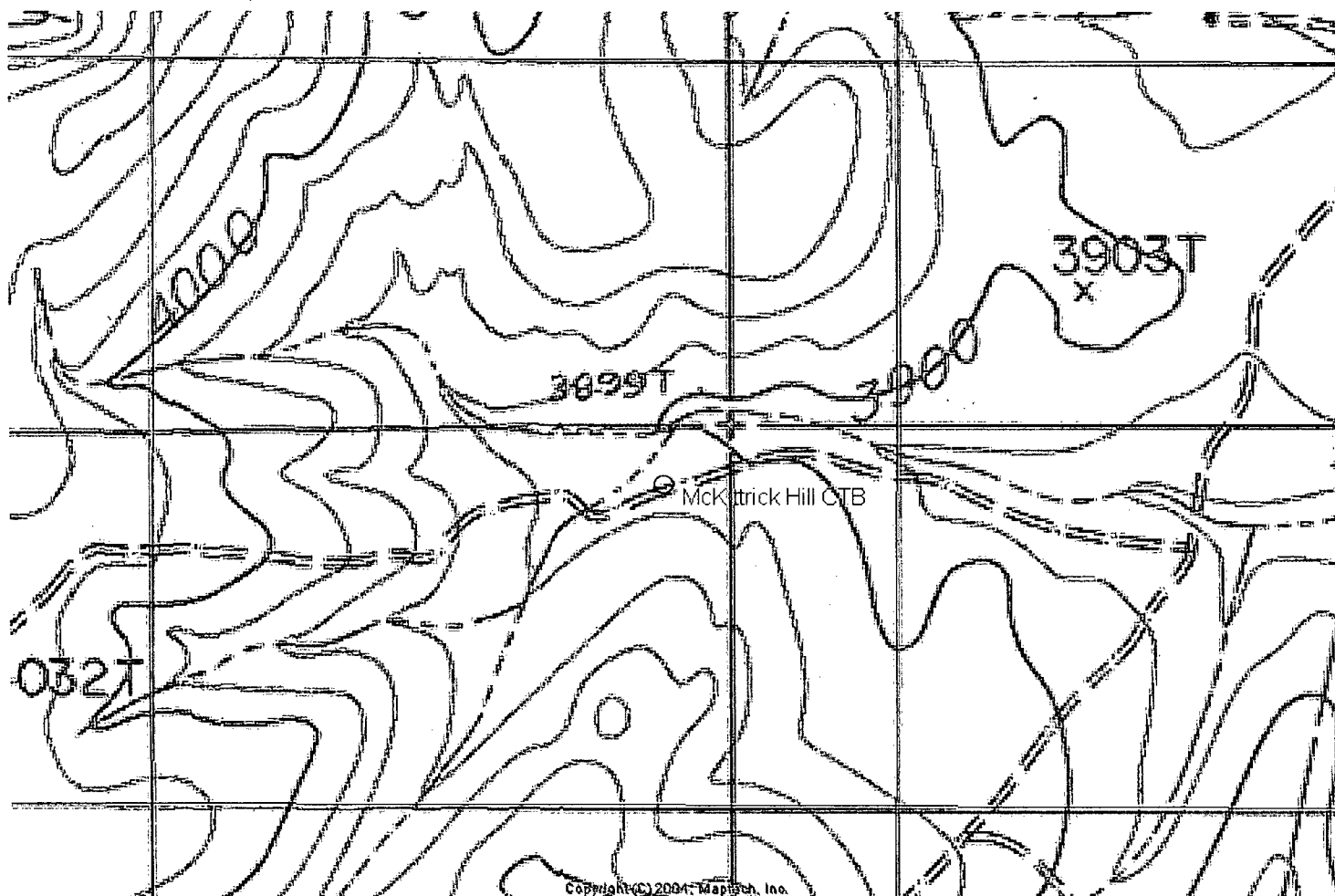
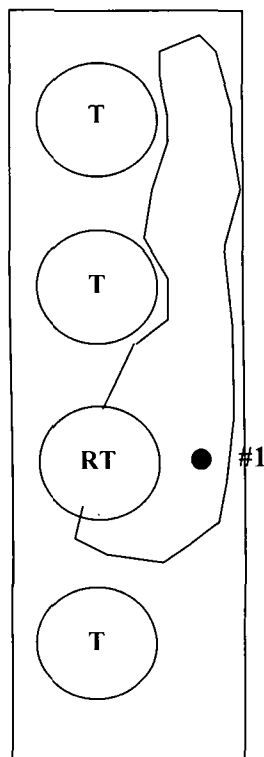
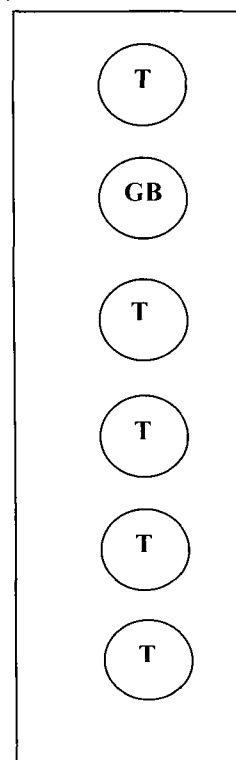
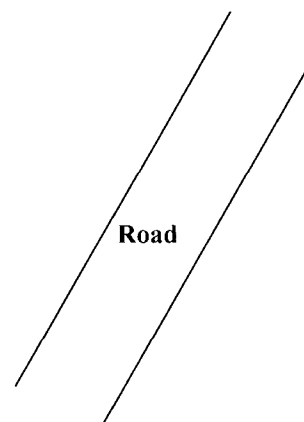
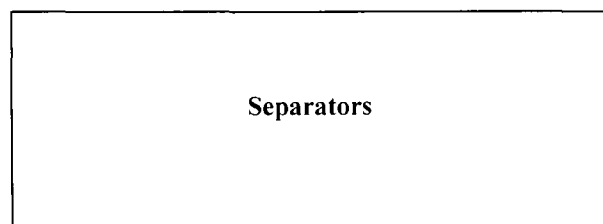
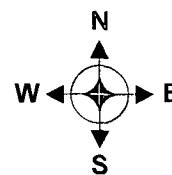


Figure 2 Site Plan

Figure 2
Site Plan



● #3

● #2

●--Borehole Sample

T--Tank

RT--Receiving Tank

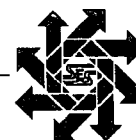
GB--Gun Barrel

Not to Scale

OXY USA

McKittrick Hills Central Battery

**Safety & Environmental
Solutions, Inc.**



Appendix A

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA WTP LP	Contact Rick Kerby	
Address PO Box 1988 102 S Main Carlsbad NM 88220	Telephone No. (O) 505-887-8337 (C) 505-631-4972	
Facility Name Mckittrick Hill CTB	Facility Type Indian Basin	
Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	14	22 S	24 E					EDDY

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil	Volume of Release 132.48	Volume Recovered 0
Source of Release Oil Leak	Date and Hour of Occurrence 10:00 AM	Date and Hour of Discovery 10:30 AM
Was Immediate Notice Given? Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Mike Bratcher NMOCD Jim Amos BLM	
By Whom? Rick Kerby	Date and Hour 1:40 PM 5-1-2008	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

Hole in the bottom of the tank allowed fluid to leak out on the ground. All fluid contained inside secondary containment.

Describe Area Affected and Cleanup Action Taken.*

All fluid contained inside berm and work plan will be formulated and forwarded to appropriate government agencies

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: Rick Kerby	Approved by District Supervisor:	
Title: HES Tech	Approval Date:	Expiration Date:
E-mail Address: rick_kerby@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4-11-08	Phone: 631-4972	

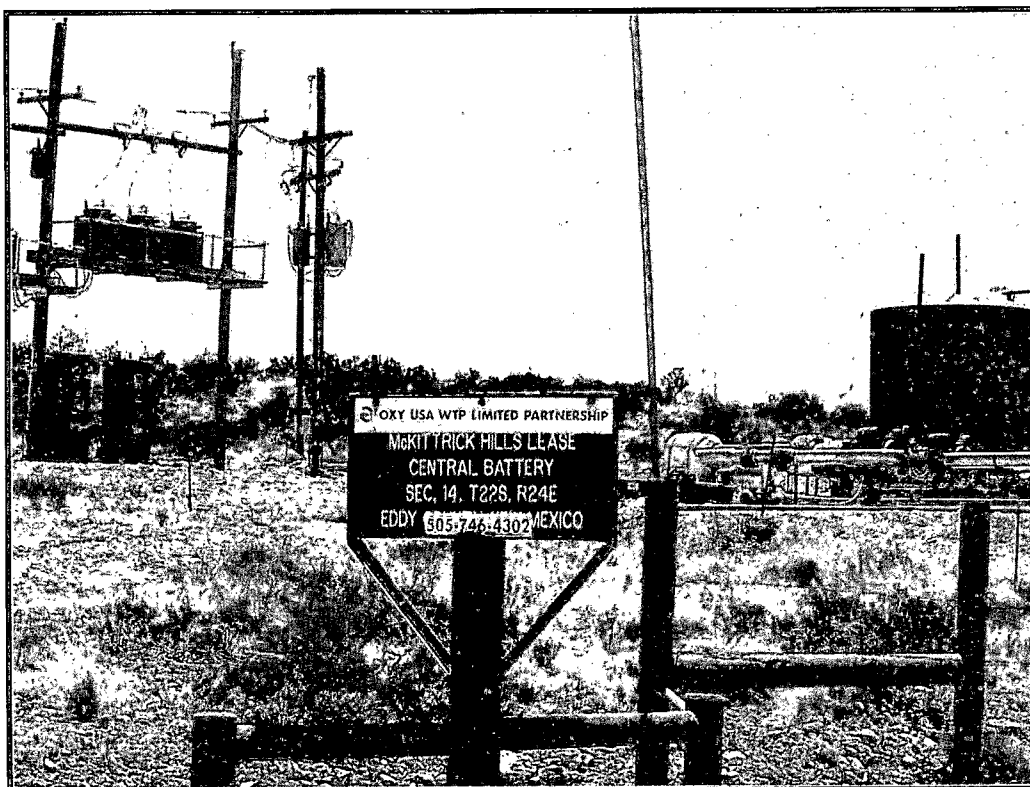
Attach Additional Sheets If Necessary

Appendix B

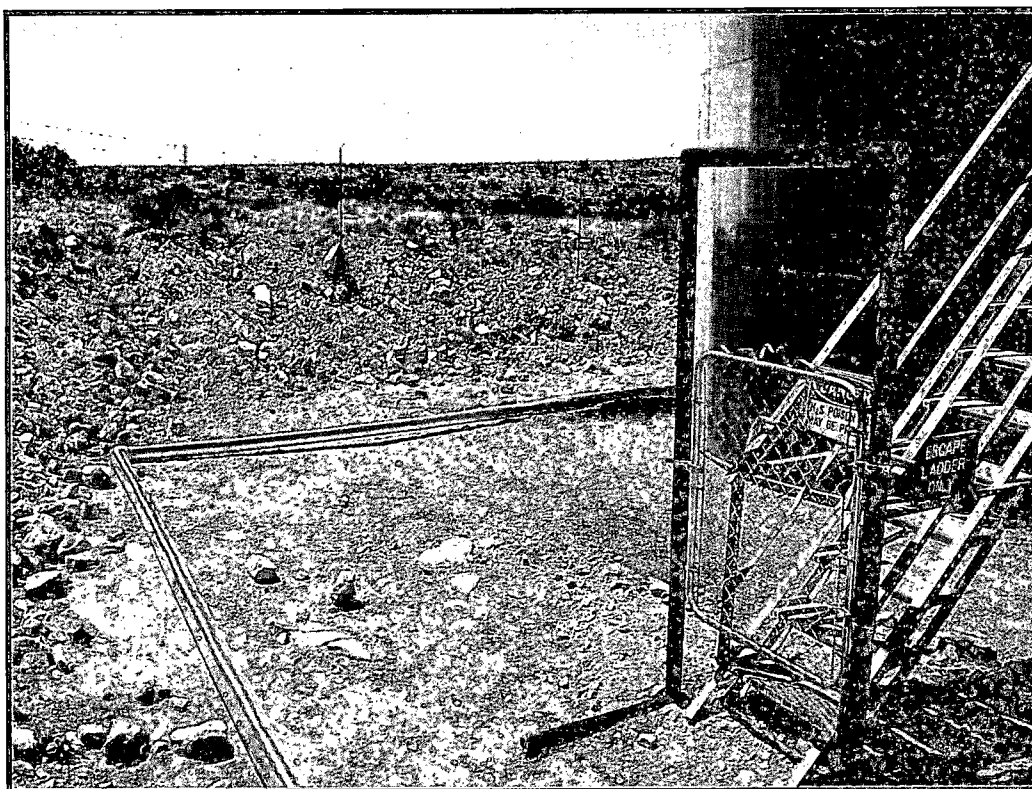
Analytical Results

Appendix C

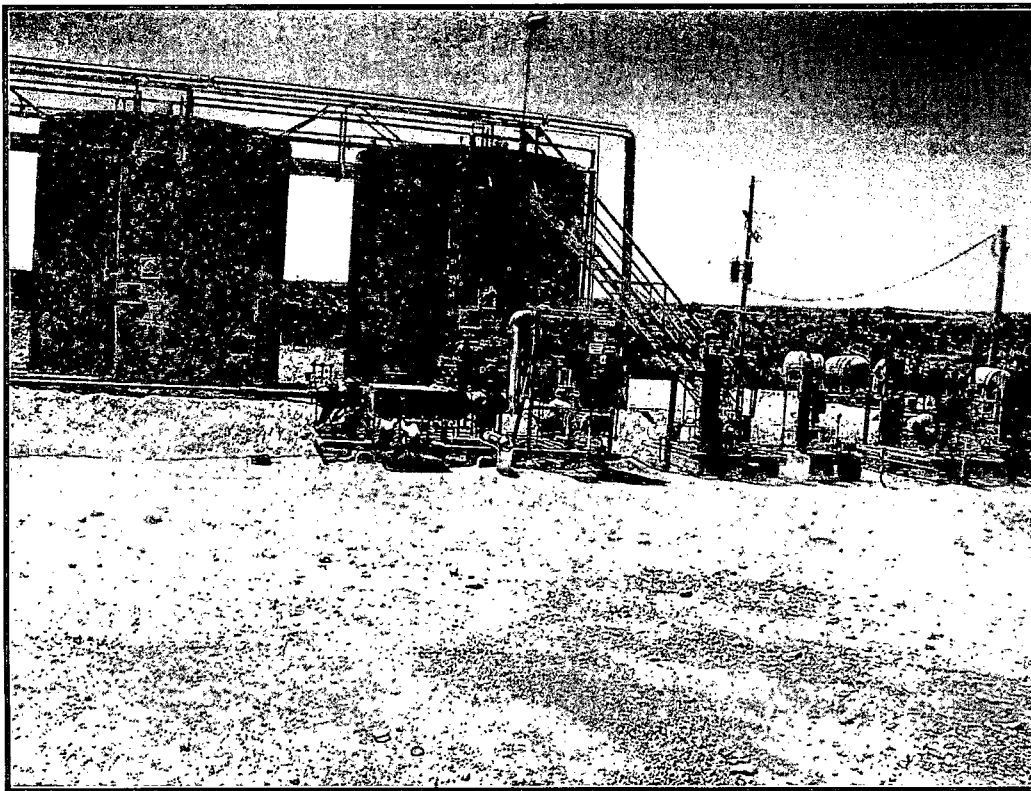
Site Photos



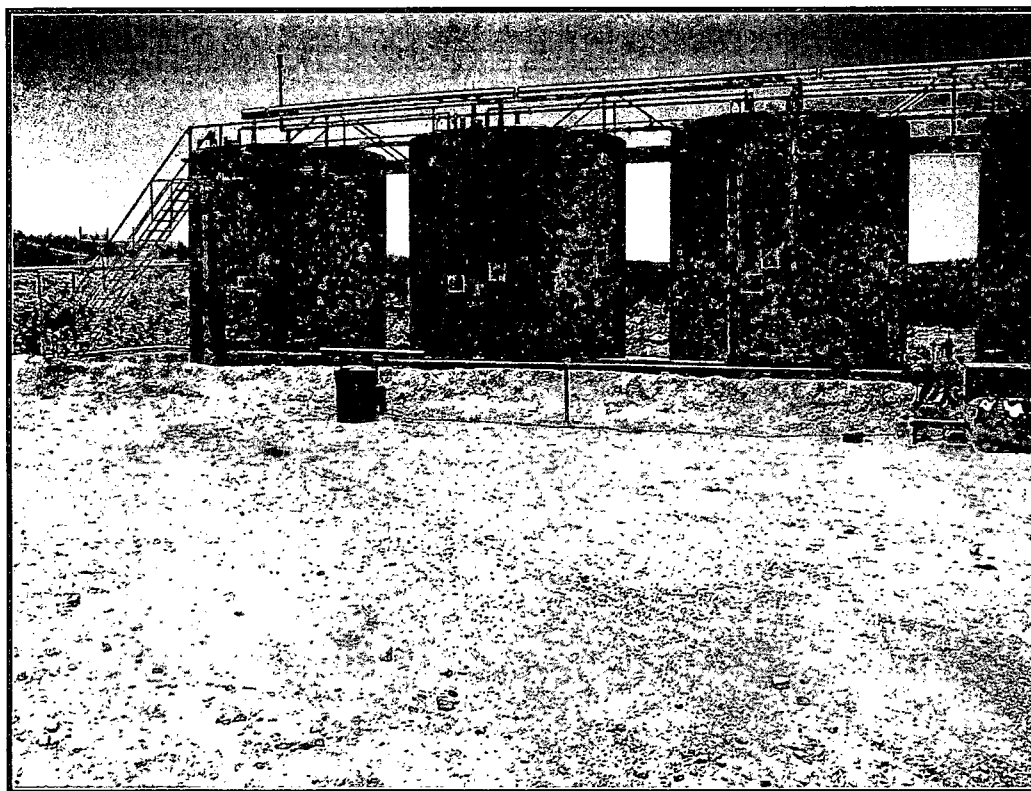
Well sign



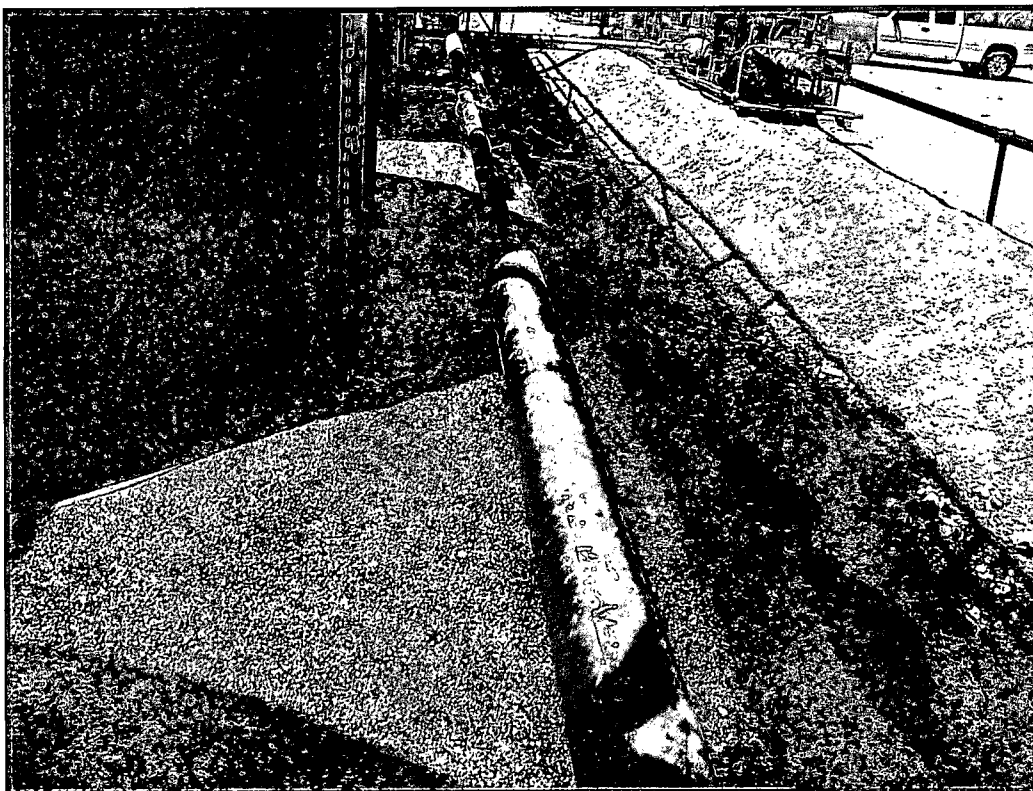
Southside of berm area



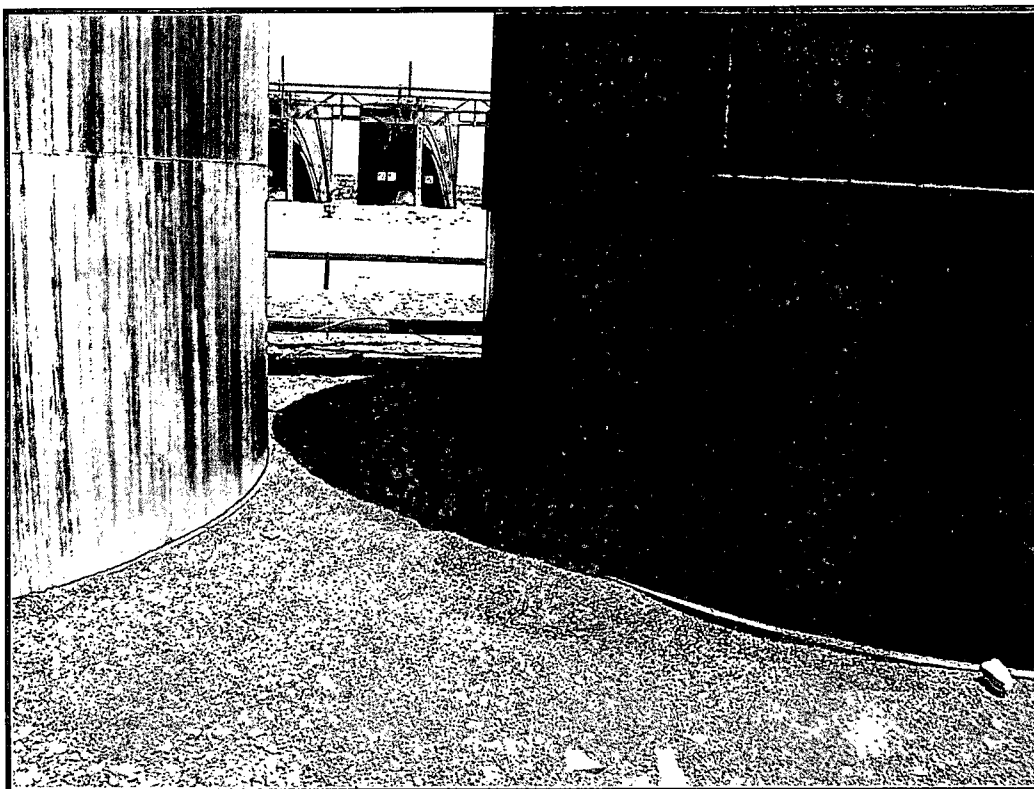
West side tanks facing west



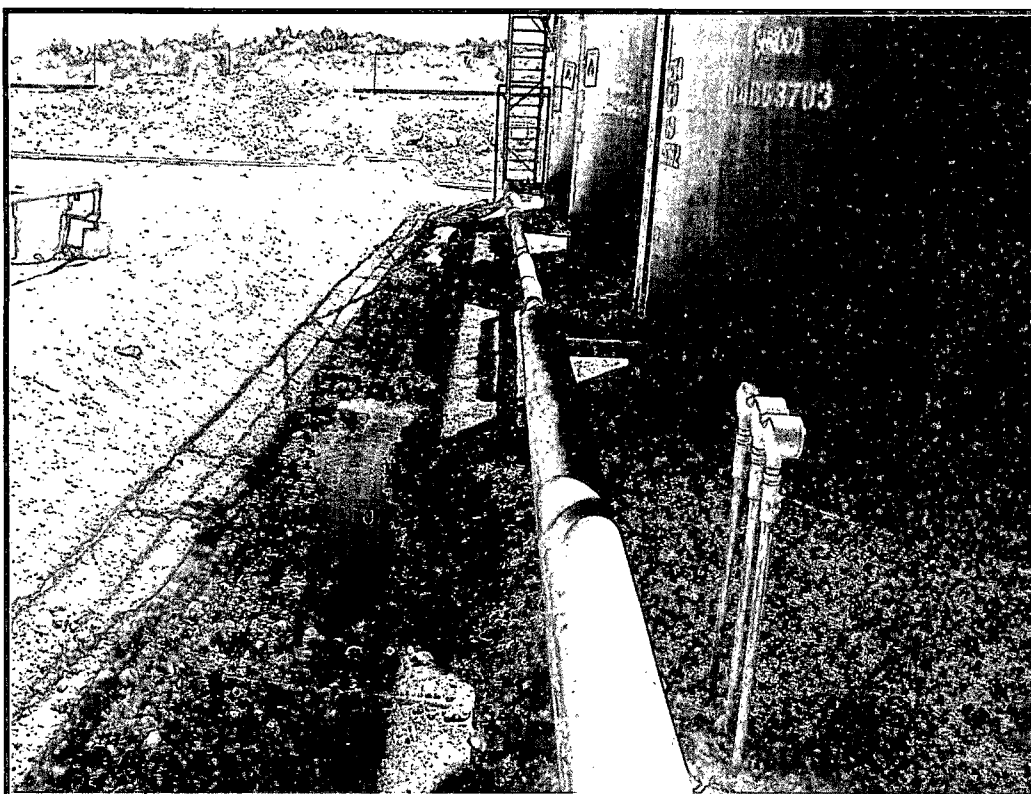
West side tank and location pad facing west



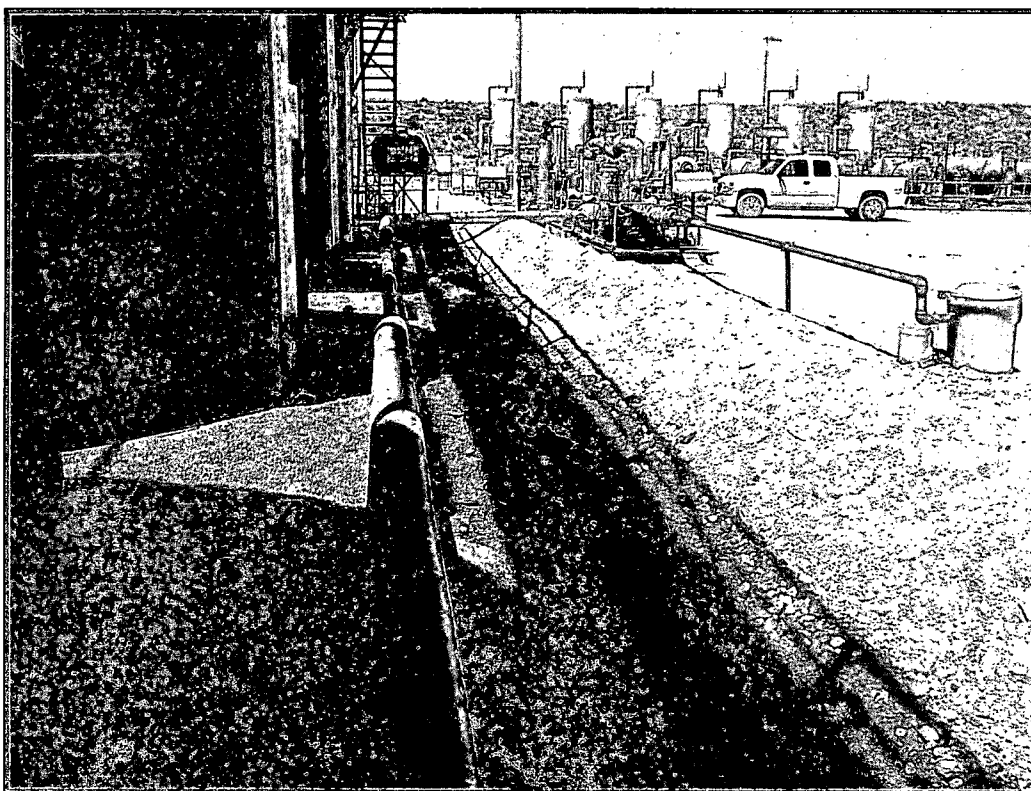
Release area facing north



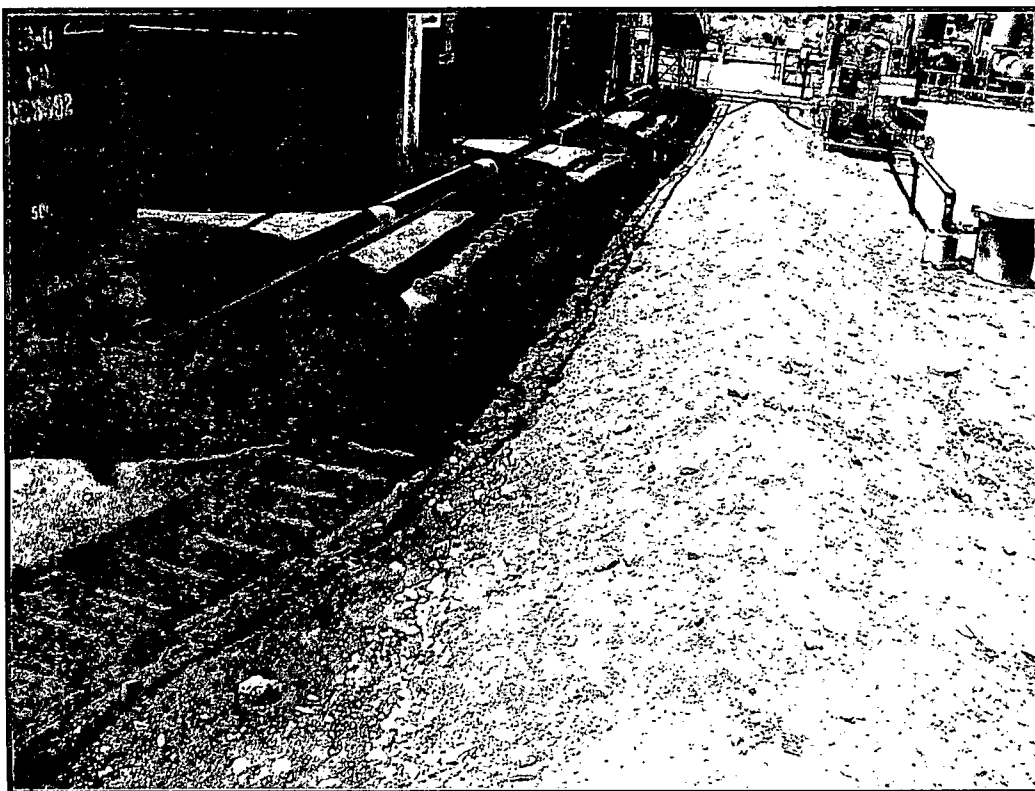
West side of release tank facing east



East side of release area facing south



East side of release area facing north



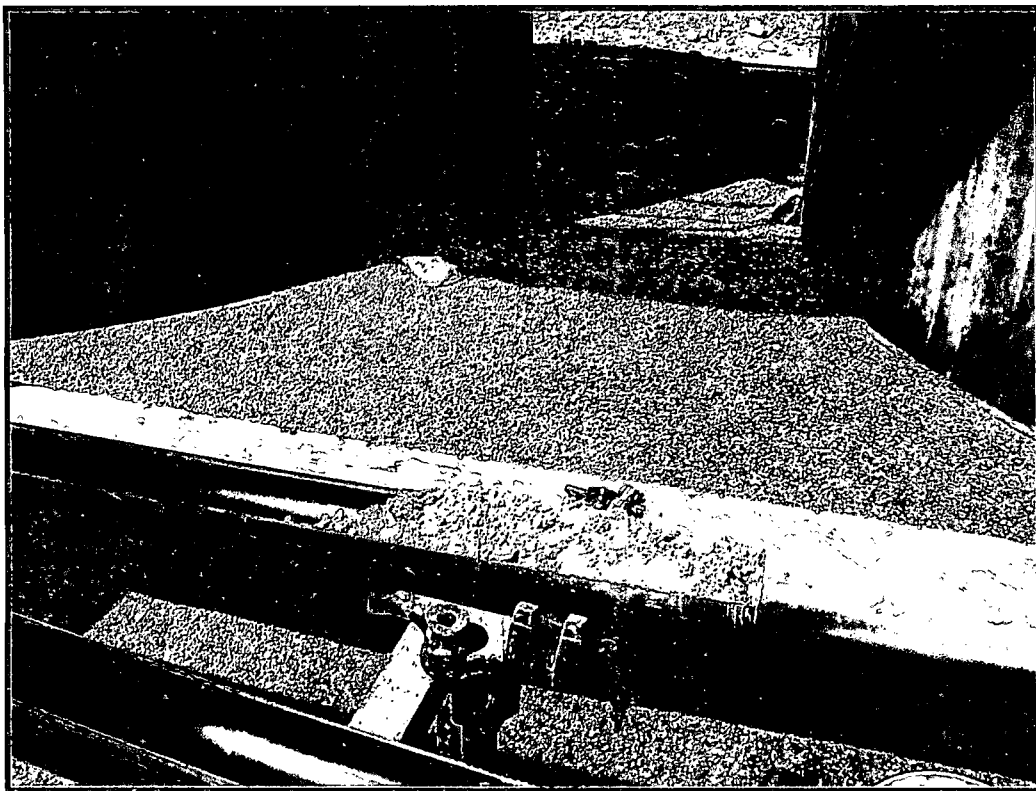
East side of release area facing north west



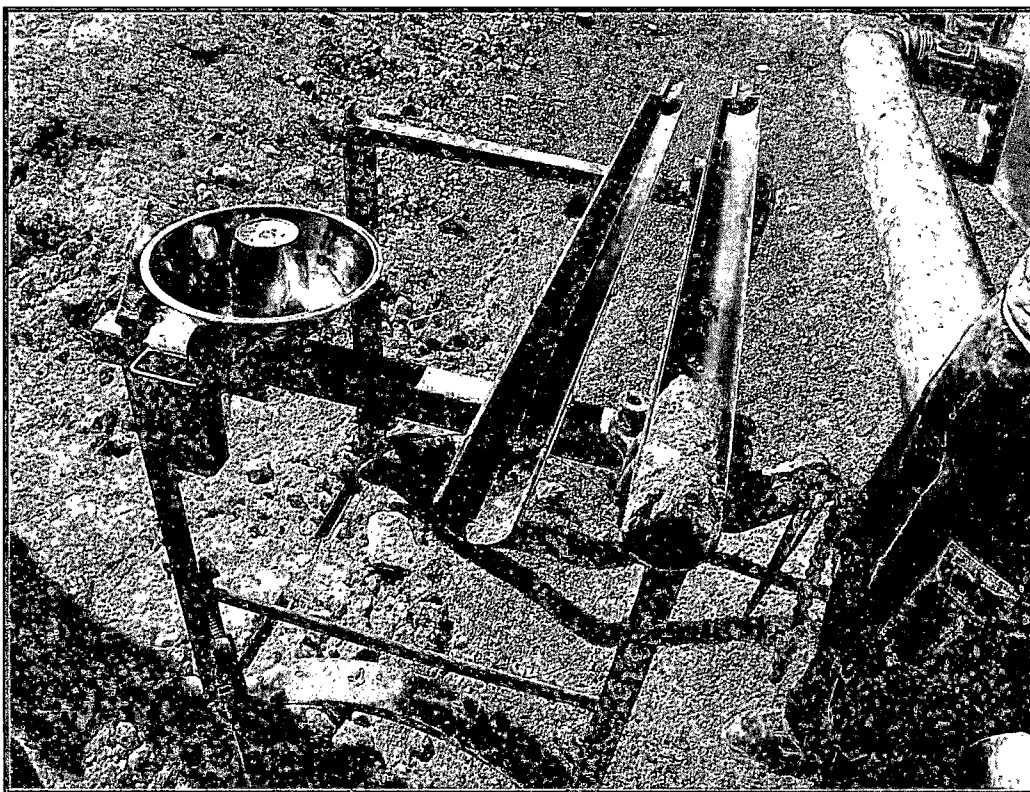
West side of release area facing north



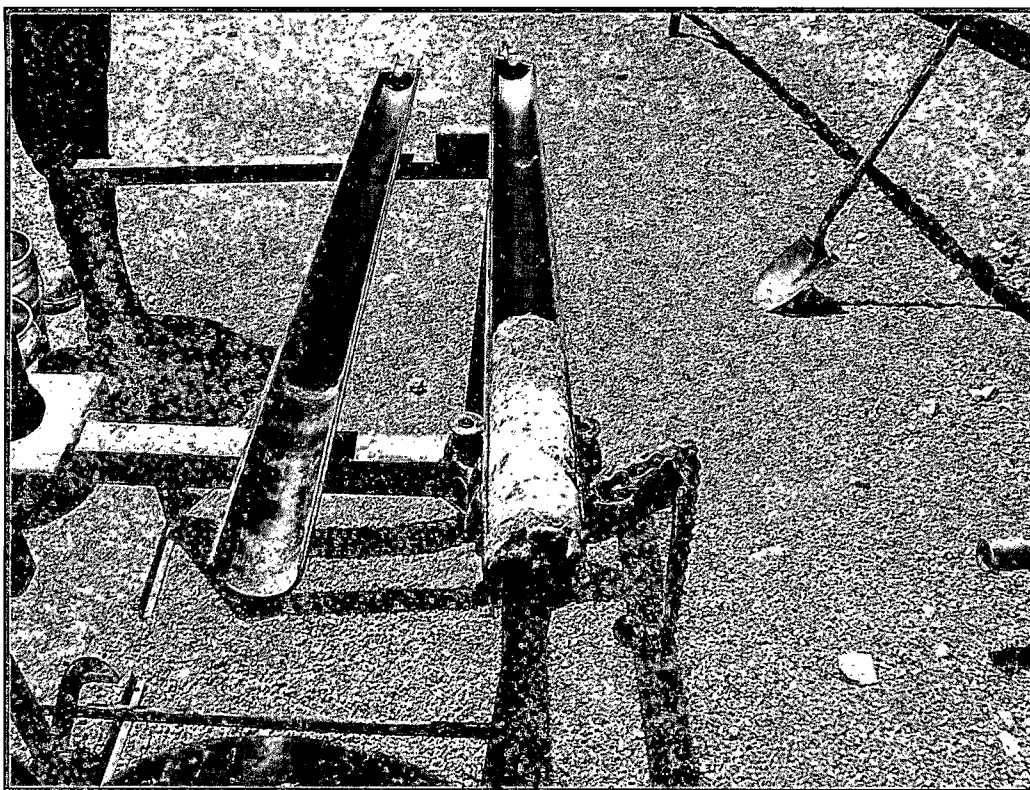
East side of release area facing north



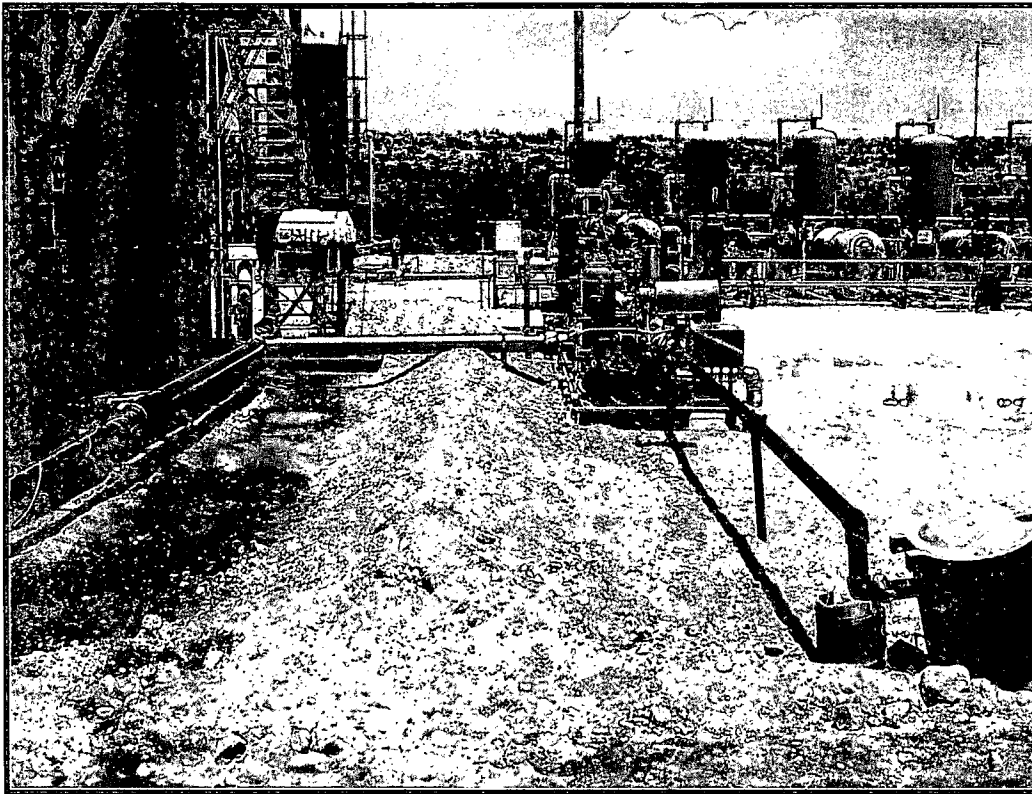
BH #2 at 5'



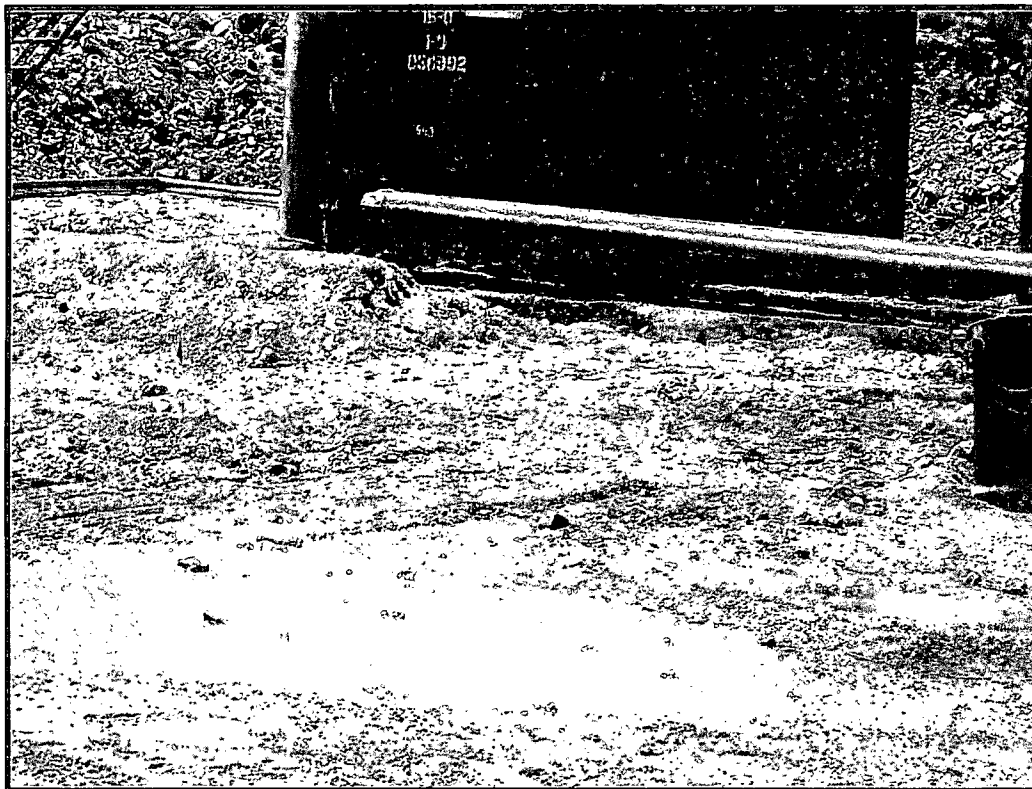
BH #1 at 5'



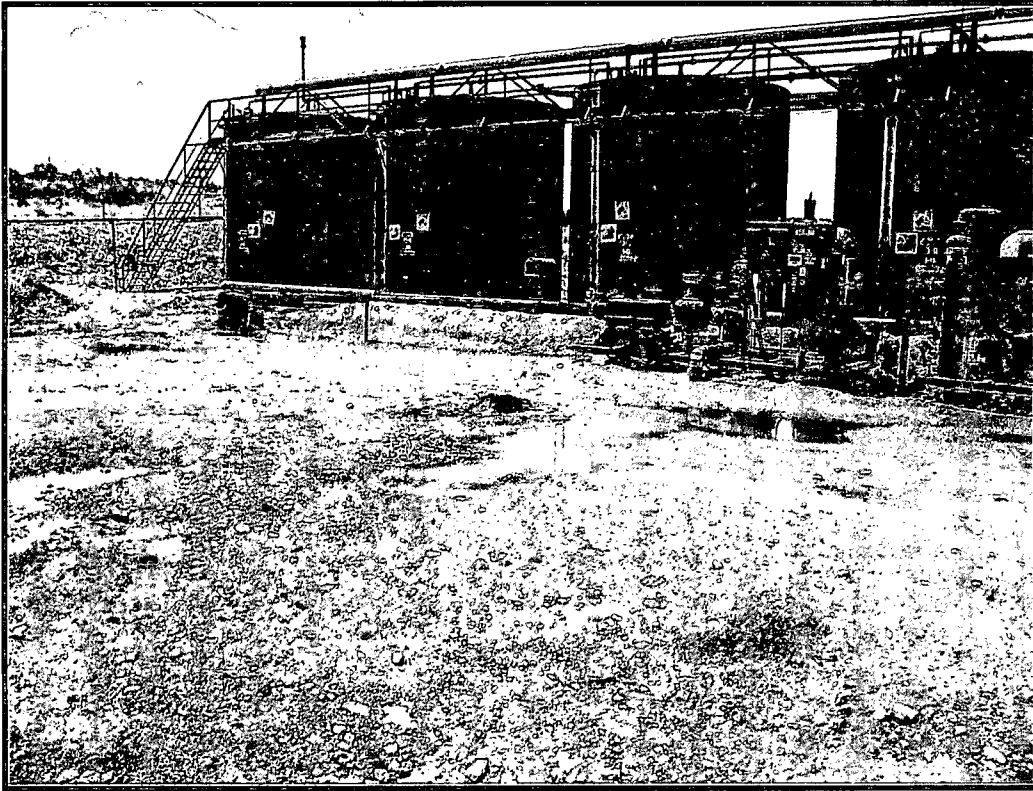
BH #3 at 5'



Release area inside berm facing north



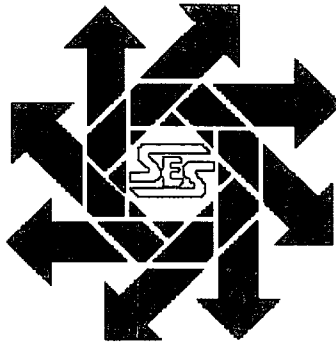
BH #1 and BH #2 facing west



BH #3 facing west

**Oxy USA Corporation
McKittrick Hills Central Tank Battery
Work Plan
Section 14, Township 22S, Range 24E
Eddy County, New Mexico**

May 28, 2008



Prepared for:

***Oxy USA WTP LP
P.O. Box 1988
Carlsbad, New Mexico 88221***

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton
Hobbs, New Mexico 88240
(575) 397-0510***

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I. Company Contacts

NAME	Company	Telephone	E-mail
Rick Kerby	Oxy USA	575-390-8639	Rick_Kerby@oxy.com
Isaac Kincaid	SESI	575-390-8841	ikincaid@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Oxy USA Corporation to perform remediation services at the McKittrick Hills Central Tank Battery. On May 1, 2008 a release occurred due to a hole in the bottom of one of the tanks at the battery. Approximately 132 barrels of oil was released.

III. Surface and Ground Water

The closest groundwater of record with the New Mexico State Engineers Office is located in Section 12 of the same range and township. The depth of water in this well was 585' in November of 2003.

IV. Work Performed

On May 8, 2008 SESI was on site to delineate the spill area. Three boreholes were installed to a depth of 5'. Grab samples were retrieved at this depth and transported under Chain of Custody to Argon Laboratories in Hobbs, NM for analysis. The samples were analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), and Total Petroleum Hydrocarbons (TPH) (EPA method 418.1). The results of the analysis were as follows:

Sample Point	Chlorides	TPH	Benzene	Toluene	Ethyl Benzene	Xylenes
BH #1 5'	23	460	ND	ND	ND	ND
BH #2 5'	ND	8,000	ND	ND	ND	0.011
BH #3 5'	ND	2,000	ND	ND	ND	0.014

V. Closure Plan

Due to the fact that this is an active battery it is proposed to excavate the top 2' of contaminated soil and transport for disposal. The excavated are will then be backfilled with clean soils and returned to grade.

VI. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

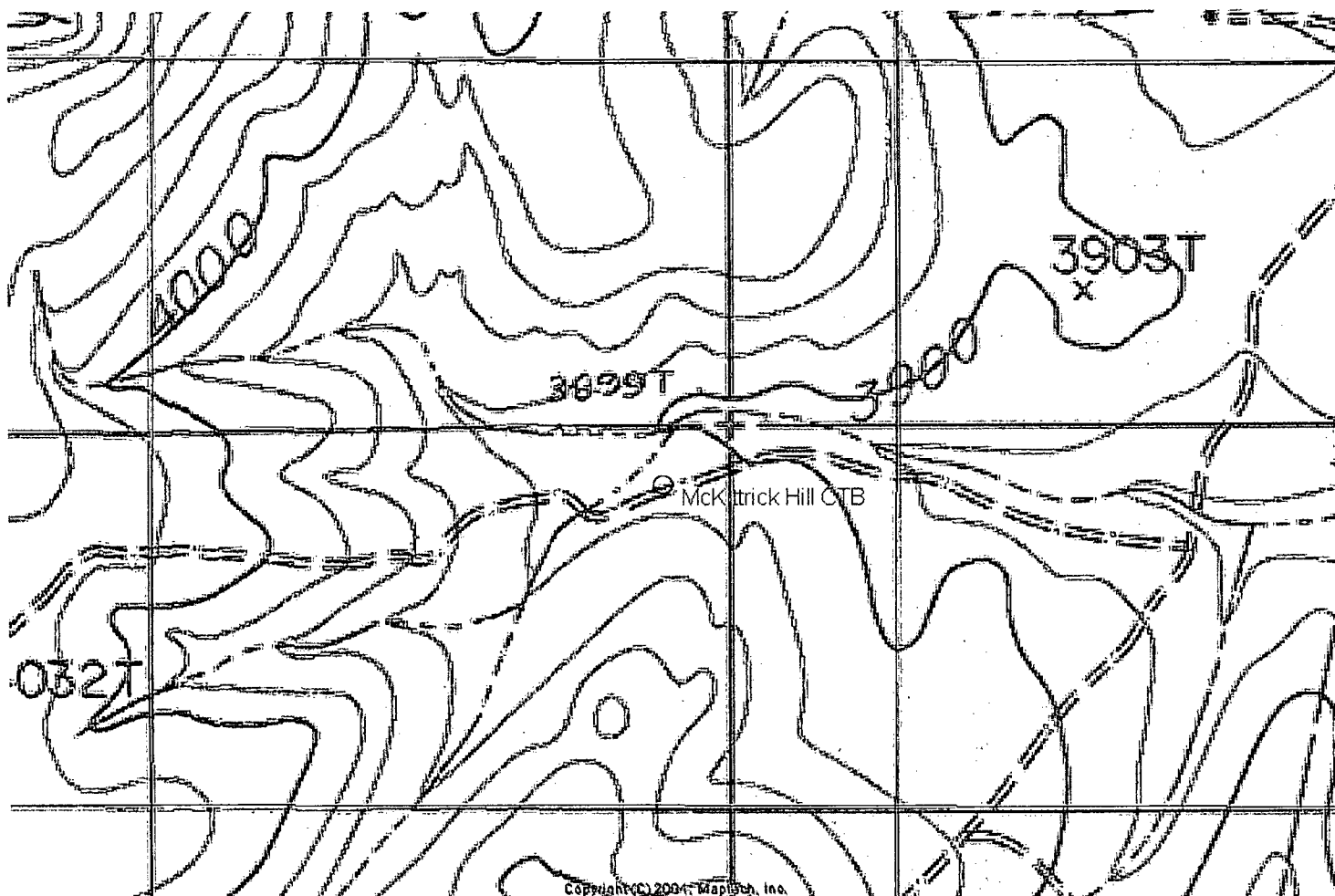
Appendix A – C-141

Appendix B – Analytical Results

Appendix C – Site Photos

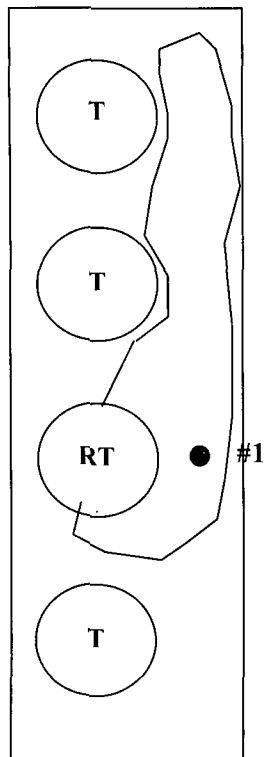
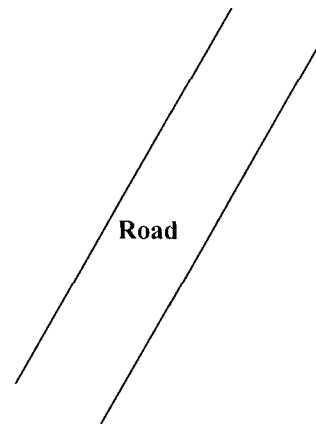
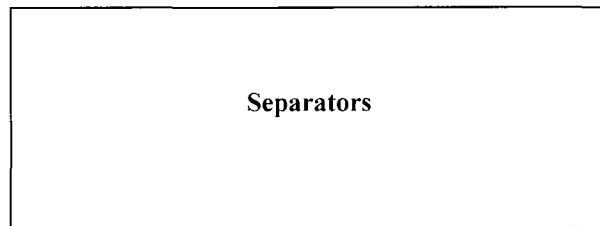
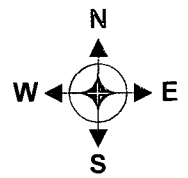
Figure 1

Vicinity Map



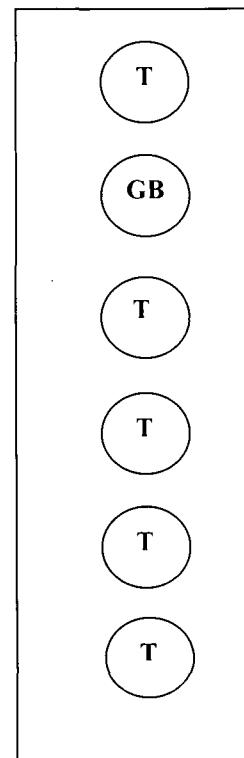
Copyright (C) 2004, MapInfo, Inc.

Figure 2
Site Plan



● #3

● #2



●--Borehole Sample

T--Tank

RT--Receiving Tank

GB--Gun Barrel

Not to Scale

OXY USA

McKittrick Hills Central Battery

**Safety & Environmental
Solutions, Inc.**



Appendix A

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 South St. Francis Dr.
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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
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with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA WTP LP	Contact Rick Kerby	
Address PO Box 1988 102 S Main Carlsbad NM 88220	Telephone No. (O) 505-887-8337 (C) 505-631-4972	
Facility Name Mckittrick Hill CTB	Facility Type Indian Basin	
Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section 14	Township 22 S	Range 24 E	Feet from the	North/South Line	Feet from the	East/West Line	County EDDY
-------------	---------------	------------------	---------------	---------------	------------------	---------------	----------------	----------------

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil	Volume of Release 132.48	Volume Recovered 0
Source of Release Oil Leak	Date and Hour of Occurrence 10:00 AM	Date and Hour of Discovery 10:30 AM
Was Immediate Notice Given? Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Mike Bratcher NMOCD Jim Amos BLM	
By Whom? Rick Kerby	Date and Hour 1:40 PM 5-1-2008	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

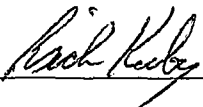
Describe Cause of Problem and Remedial Action Taken.*

Hole in the bottom of the tank allowed fluid to leak out on the ground. All fluid contained inside secondary containment.

Describe Area Affected and Cleanup Action Taken.*

All fluid contained inside berm and work plan will be formulated and forwarded to appropriate government agencies

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: Rick Kerby		Approved by District Supervisor:	
Title: HES Tech		Approval Date:	Expiration Date:
E-mail Address: rick.kerby@oxy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4-11-08 Phone: 631-4972			

Attach Additional Sheets If Necessary

Appendix B

Analytical Results

argon laboratories

15 May 2008

Bob Allen
Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

RE: Oxy McKittrick Hills Project Data


Enclosed are the results for sample(s) received on 05/06/08 15:00 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

Copyright © 2004 John Wiley & Sons, Ltd. *J. Polym. Sci. Part A: Polym. Chem.* 42: 1005–1014 (2004)

Client **SECE**

4805008

ANMCO5-2549

Argon Laboratories Sample Receipt Checklist

Client Name: SESI Date & Time Received: 05/06/08 15:00

Project Name: Oxy McKittrick Hills Client Project Number: OXY-08-008

Received By: R.E. Matrix: Water ☐ Soil ☒ Sludge ☐

Sample Carrier: Client ☒ Laboratory ☐ Fed Ex ☐ UPS ☐ Other ☐

Argon Labs Project Number: C805008

Shipper Container in good condition? N/A ☐ Yes ☒ No ☐ Samples received in proper containers? Yes ☒ No ☐

Samples received under refrigeration? Yes ☒ No ☐ Samples received intact? Yes ☒ No ☐

Sufficient sample volume for requested tests? Yes ☒ No ☐

Chain of custody present? Yes ☒ No ☐ Samples received within holding time? Yes ☒ No ☐

Chain of Custody signed by all parties? Yes ☒ No ☐ Do samples contain proper preservative? N/A ☒ Yes ☐ No ☐

Chain of Custody matches all sample labels? Yes ☒ No ☐ Do VOA vials contain zero headspace? (None submitted ☒) Yes ☐ No ☐

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen



Work Order No.:
C805008

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH # 1 5'	C805008-01	Soil	05/06/08 10:05	05/06/08 15:00
BH # 2 5'	C805008-02	Soil	05/06/08 10:50	05/06/08 15:00
BH # 3 5'	C805008-03	Soil	05/06/08 11:35	05/06/08 15:00

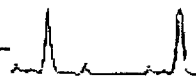
Approved By
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen

Work Order No.:
C805008



ANALYSIS REPORT


Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH # 1 5' (C805008-01) Soil Sampled: 05/06/08 10:05 Received: 05/06/08 15:00							
Chloride	23	10	mg/kg	1	05/14/08	EPA 300.0	
BH # 2 5' (C805008-02) Soil Sampled: 05/06/08 10:50 Received: 05/06/08 15:00							
Chloride	ND	10	mg/kg	1	05/14/08	EPA 300.0	
BH # 3 5' (C805008-03) Soil Sampled: 05/06/08 11:35 Received: 05/06/08 15:00							
Chloride	ND	10	mg/kg	1	05/14/08	EPA 300.0	

Approved By
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen


Work Order No.:
C805008

BTEX EPA Method 8021B


Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH # 1 5' (C805008-01) Soil Sampled: 05/06/08 10:05 Received: 05/06/08 15:00							
Benzene	ND	0.005	mg/kg	1	05/13/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	
Surr. Rec.:		111 %			"	"	
BH # 2 5' (C805008-02) Soil Sampled: 05/06/08 10:50 Received: 05/06/08 15:00							
Benzene	ND	0.005	mg/kg	1	05/13/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	0.011	0.010	"	"	"	"	
Surr. Rec.:		109 %			"	"	
BH # 3 5' (C805008-03) Soil Sampled: 05/06/08 11:35 Received: 05/06/08 15:00							
Benzene	ND	0.005	mg/kg	1	05/13/08	8021B	
Toluene	ND	0.005	"	"	"	"	
Ethylbenzene	ND	0.005	"	"	"	"	
Xylenes (total)	0.014	0.010	"	"	"	"	
Surr. Rec.:		110 %			"	"	

Approved By
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen


Work Order No.:
C805008

Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry


Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH # 1 5' (C805008-01) Soil Sampled: 05/06/08 10:05 Received: 05/06/08 15:00							
Total Petroleum Hydrocarbons	460	40	mg/kg	2	05/14/08	EPA 418.1	
BH # 2 5' (C805008-02) Soil Sampled: 05/06/08 10:50 Received: 05/06/08 15:00							
Total Petroleum Hydrocarbons	8000	1000	mg/kg	50	05/14/08	EPA 418.1	
BH # 3 5' (C805008-03) Soil Sampled: 05/06/08 11:35 Received: 05/06/08 15:00							
Total Petroleum Hydrocarbons	2000	400	mg/kg	20	05/14/08	EPA 418.1	

Approved By
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen


Work Order No.:
C805008

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	--------------------	-------	----------------	------------------	------	-----	-------

Batch CR00066 - General Prep

Blank (CR00066-BLK1)

Prepared & Analyzed: 05/14/08

Chloride	ND	10	mg/kg
----------	----	----	-------

LCS (CR00066-BS1)

Prepared & Analyzed: 05/14/08

Chloride	5.25		mg/kg	5.00	105
----------	------	--	-------	------	-----

LCS Dup (CR00066-BSD1)

Prepared & Analyzed: 05/14/08

Chloride	5.40		mg/kg	5.00	108	3
----------	------	--	-------	------	-----	---

Matrix Spike (CR00066-MS1)

Prepared & Analyzed: 05/14/08

Chloride	5.45		mg/kg	5.00	109
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Matrix Spike Dup (CR00066-MSD1)

Prepared & Analyzed: 05/14/08

Chloride	5.75		mg/kg	5.00	115	5
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Approved By

Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen



Work Order No.:
C805008

BTEX EPA Method 8021B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-----	-------

Batch CR00067 - EPA 5030B

Blank (CR00067-BLK1)

Prepared & Analyzed: 05/13/08

Surrogate: a,a,a-Trifluorotoluene	0.0495		mg/kg	0.0500		99		
Benzene	ND	0.005	"					
Toluene	ND	0.005	"					
Ethylbenzene	ND	0.005	"					
Xylenes (total)	ND	0.010	"					

LCS (CR00067-BS1)

Prepared & Analyzed: 05/13/08

Benzene	0.050		mg/kg	0.0500		100		
---------	-------	--	-------	--------	--	-----	--	--

LCS Dup (CR00067-BSD1)

Prepared & Analyzed: 05/13/08

Benzene	0.052		mg/kg	0.0500		104	4	
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Matrix Spike (CR00067-MS1)

Prepared & Analyzed: 05/13/08

Toluene	0.053		mg/kg	0.0500		106		
---------	-------	--	-------	--------	--	-----	--	--

Matrix Spike Dup (CR00067-MSD1)

Prepared & Analyzed: 05/13/08


Toluene	0.054		mg/kg	0.0500		108	2	
---------	-------	--	-------	--------	--	-----	---	--

Approved By
Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: OXY-08-008
Project Name: Oxy McKittrick Hills
Project Manager: Bob Allen


Work Order No.:
C805008

Total Recoverable Petroleum Hydrocarbons with Silica Gel Clean-Up by IR Spectrometry - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
---------	--------	--------------------	-------	----------------	------------------	------	-----	-------

Batch CR00065 - EPA 3550B

Blank (CR00065-BLK1)

Prepared & Analyzed: 05/14/08

Total Petroleum Hydrocarbons	ND	20	mg/kg
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LCS (CR00065-BS1)

Prepared & Analyzed: 05/14/08

Total Petroleum Hydrocarbons	245		mg/kg	250	98
------------------------------	-----	--	-------	-----	----

LCS Dup (CR00065-BSD1)

Prepared & Analyzed: 05/14/08

Total Petroleum Hydrocarbons	225		mg/kg	250	90	9
------------------------------	-----	--	-------	-----	----	---

Duplicate (CR00065-DUP1)

Prepared & Analyzed: 05/14/08

Total Petroleum Hydrocarbons	520	20	mg/kg	460	12
------------------------------	-----	----	-------	-----	----

Approved By

Argon Laboratories, Inc.

QC Officer

Safety & Environmental Solutions, Inc.

703 E. Clinton Ave

Hobbs, NM 88240

Project Number: OXY-08-008

Project Name: Oxy McKittrick Hills

Project Manager: Bob Allen



Work Order No.:

C805008

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Approved By
Argon Laboratories, Inc.

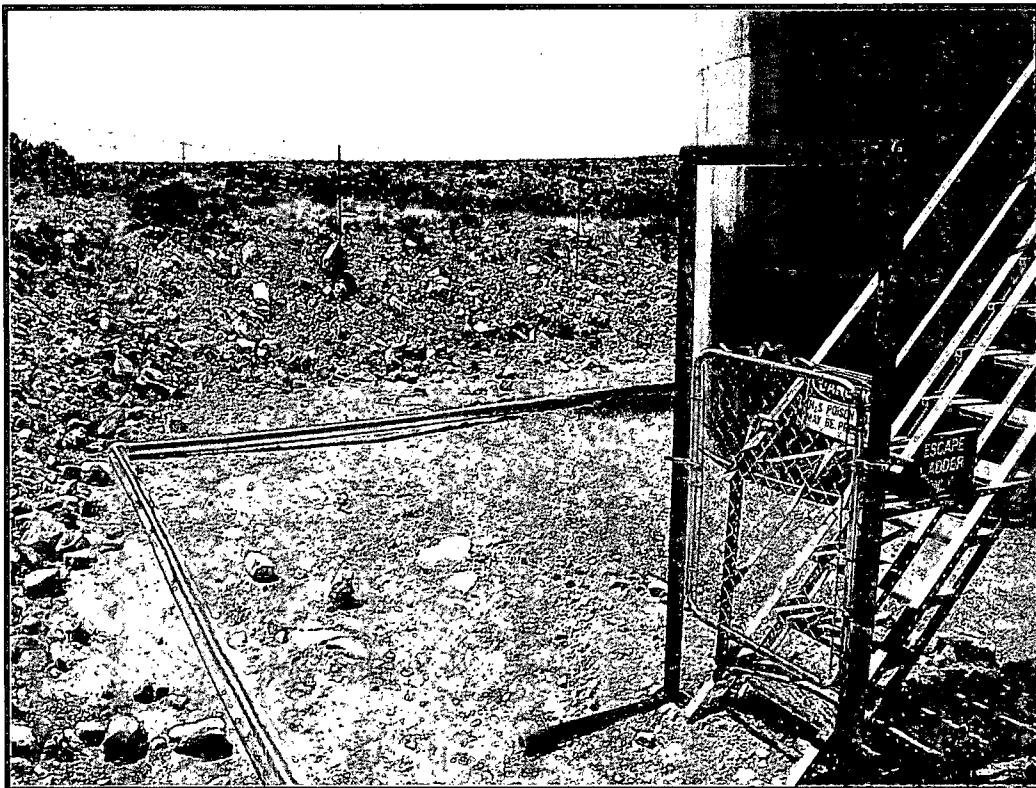
QC Officer

Appendix C

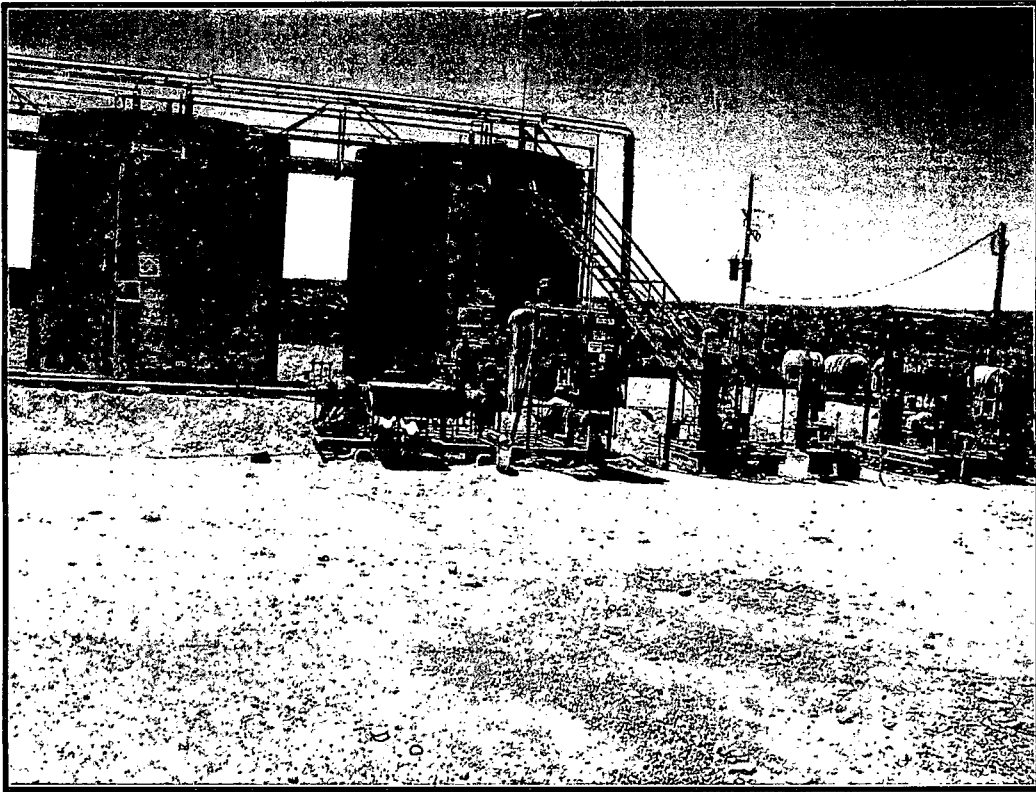
Site Photos



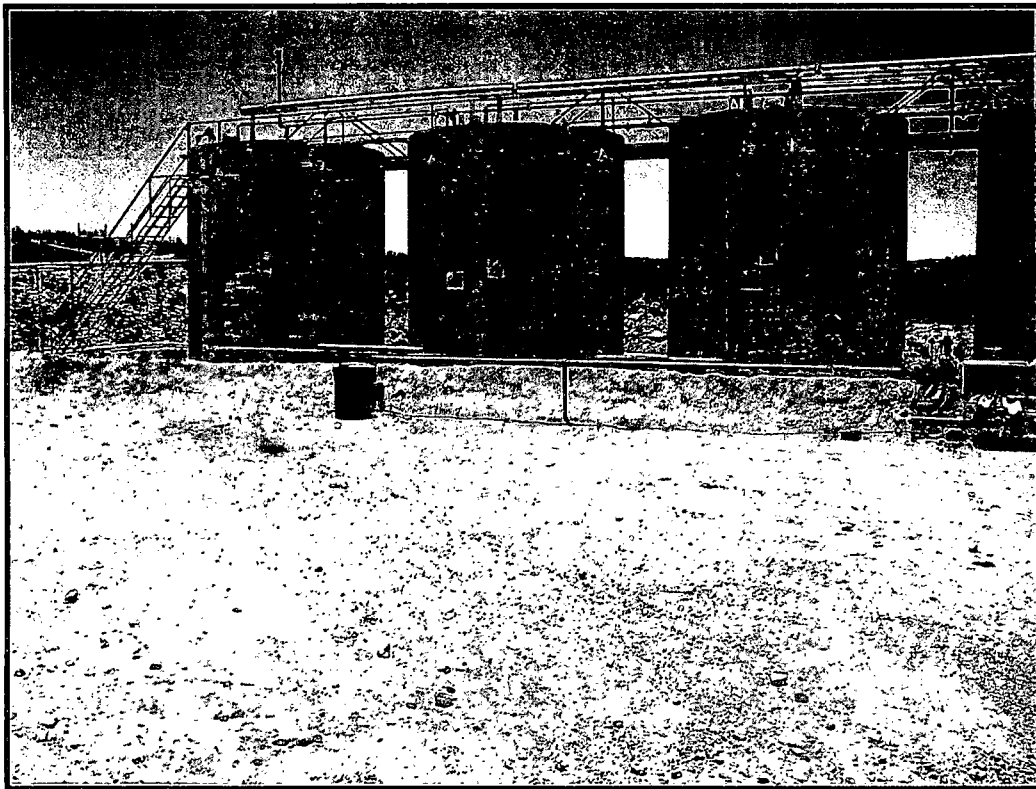
Well sign



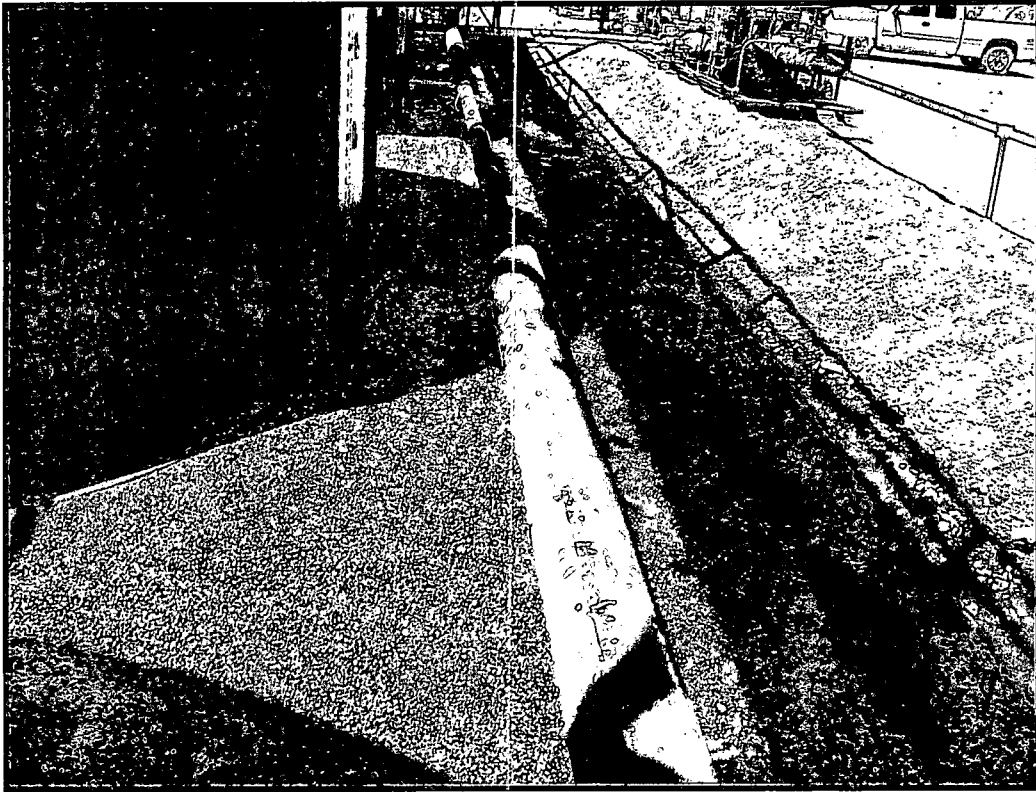
Southside of berm area



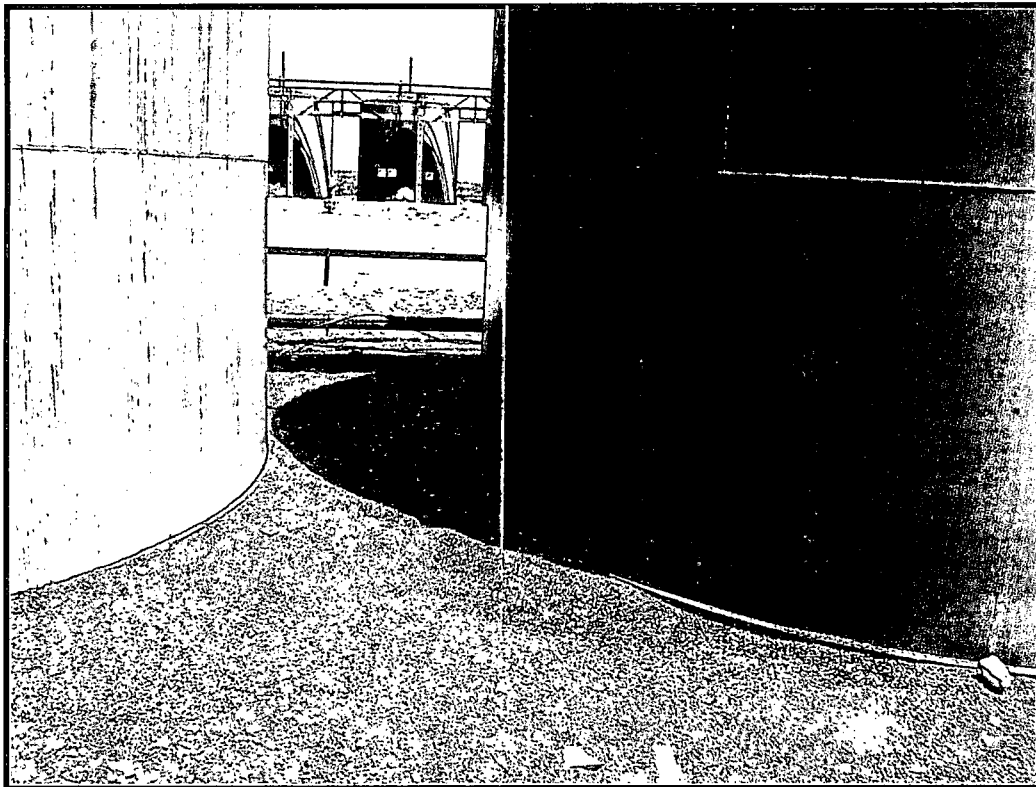
West side tanks facing west



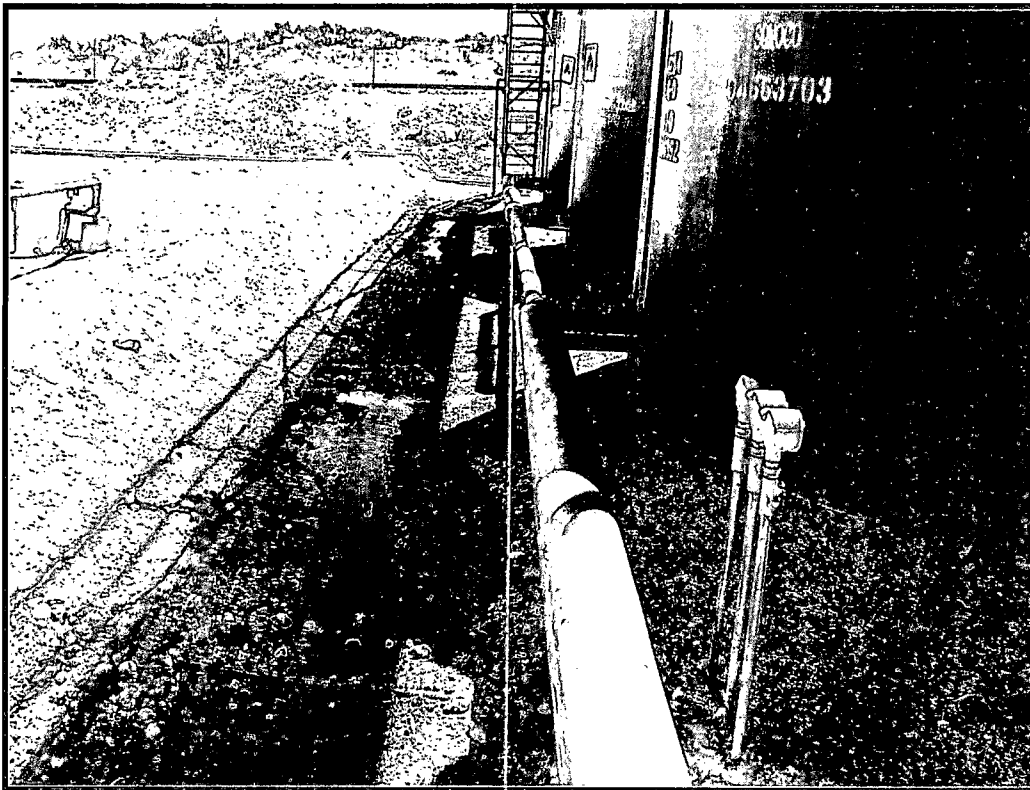
West side tank and location pad facing west



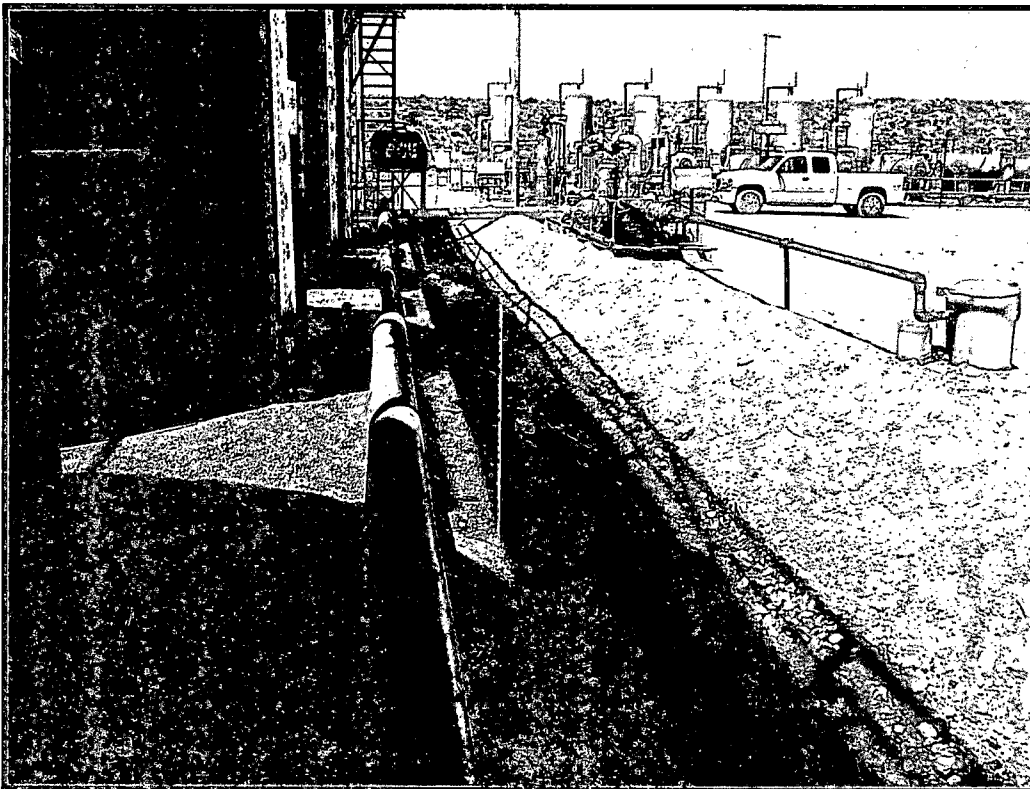
Release area facing north



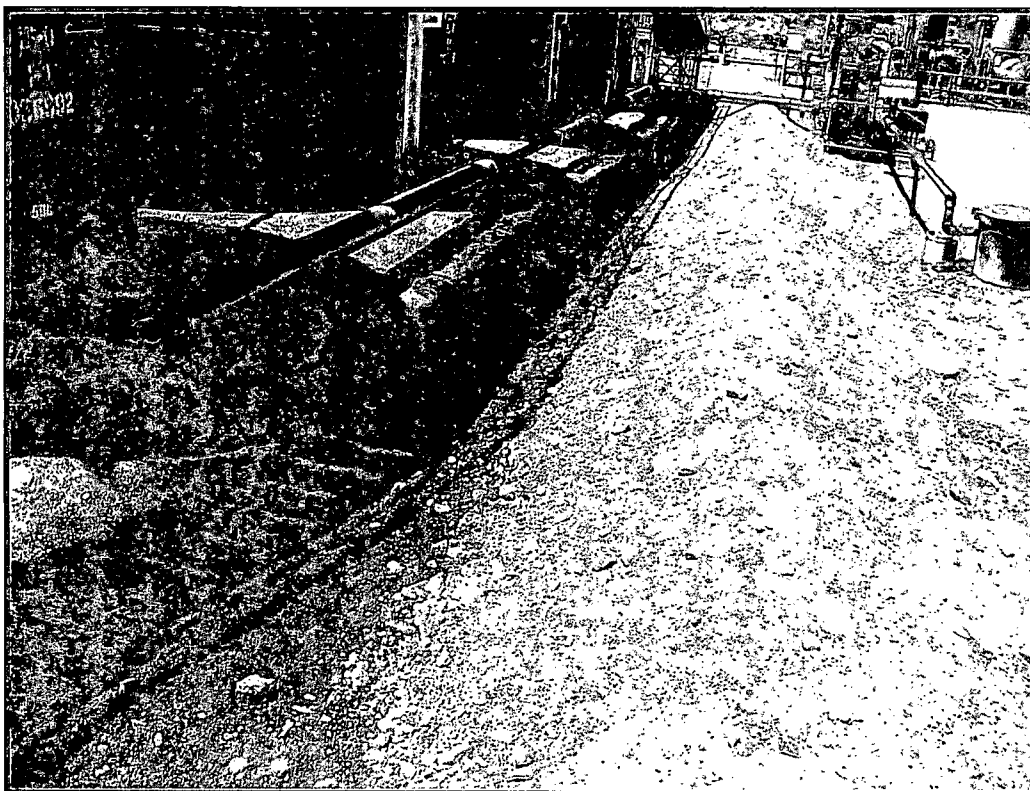
West side of release tank facing east



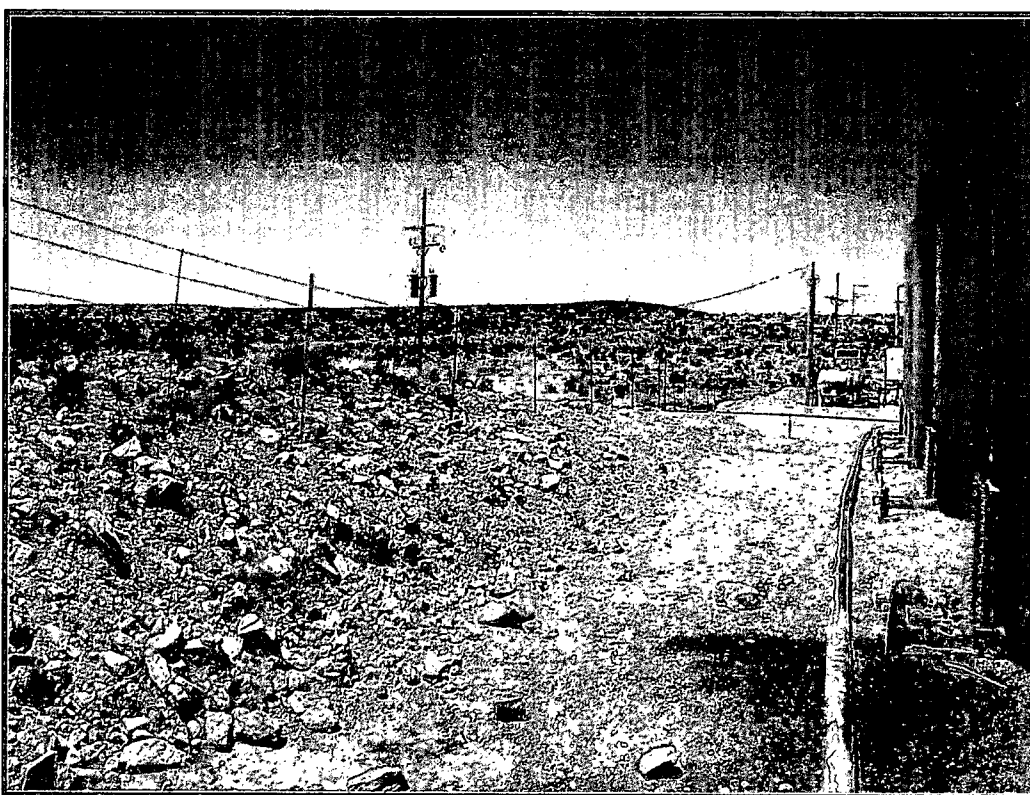
East side of release area facing south



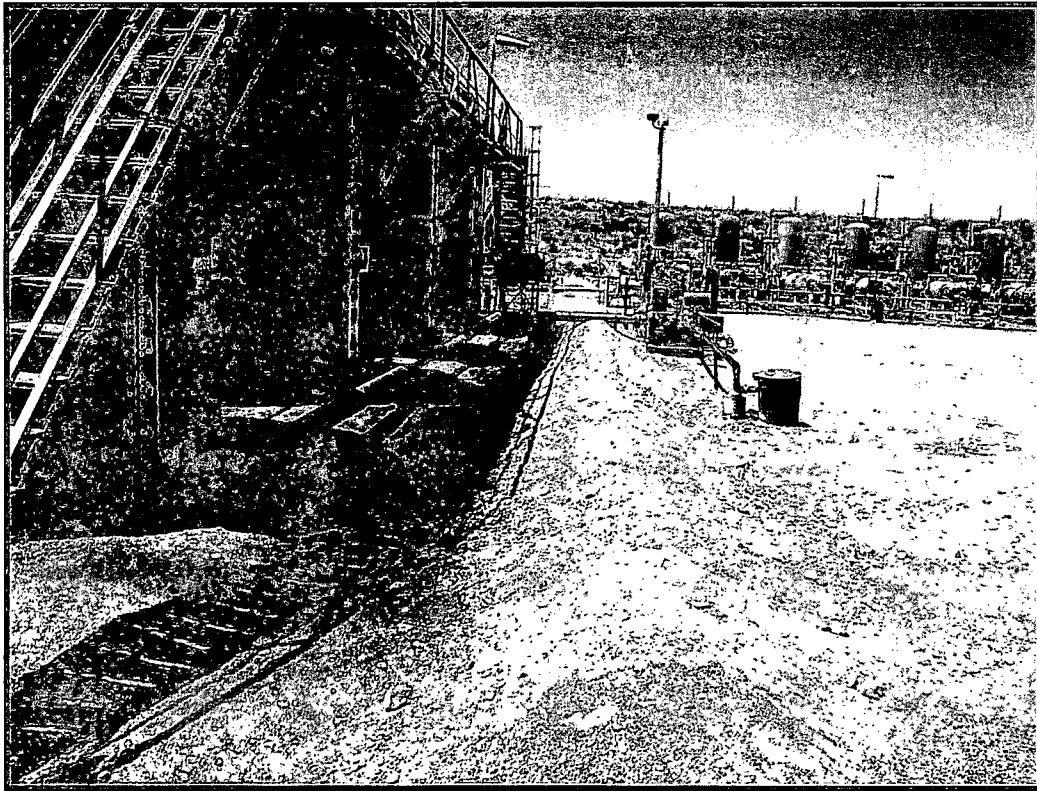
East side of release area facing north



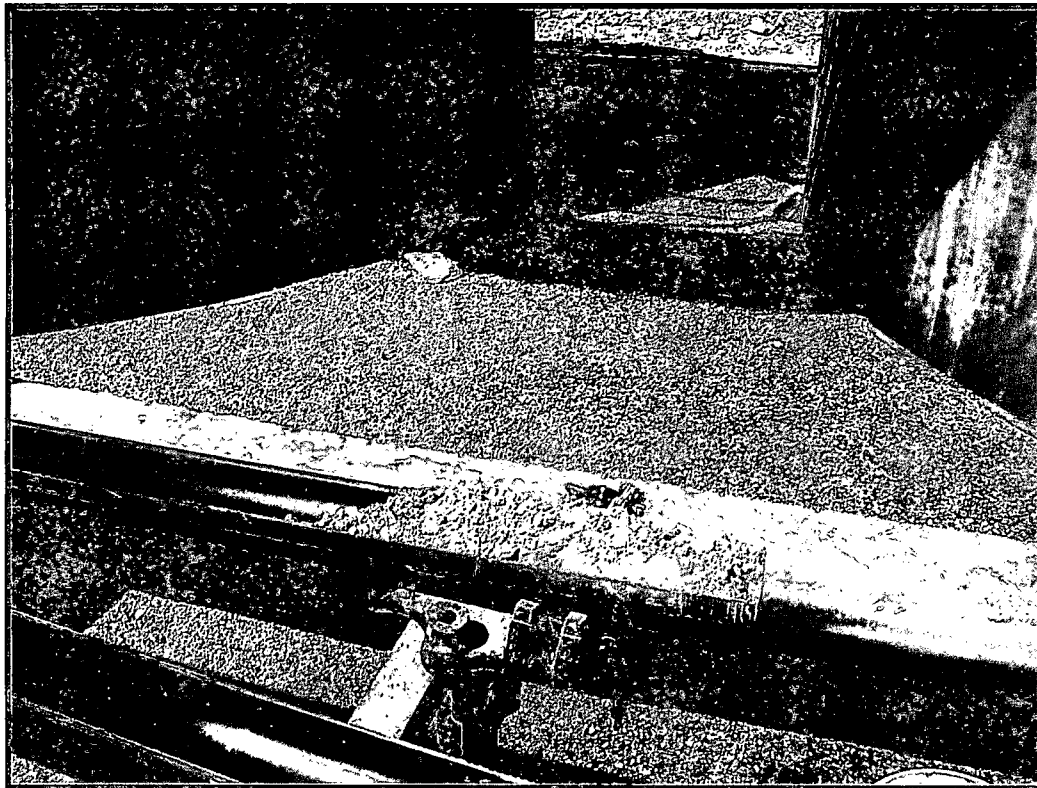
East side of release area facing north west



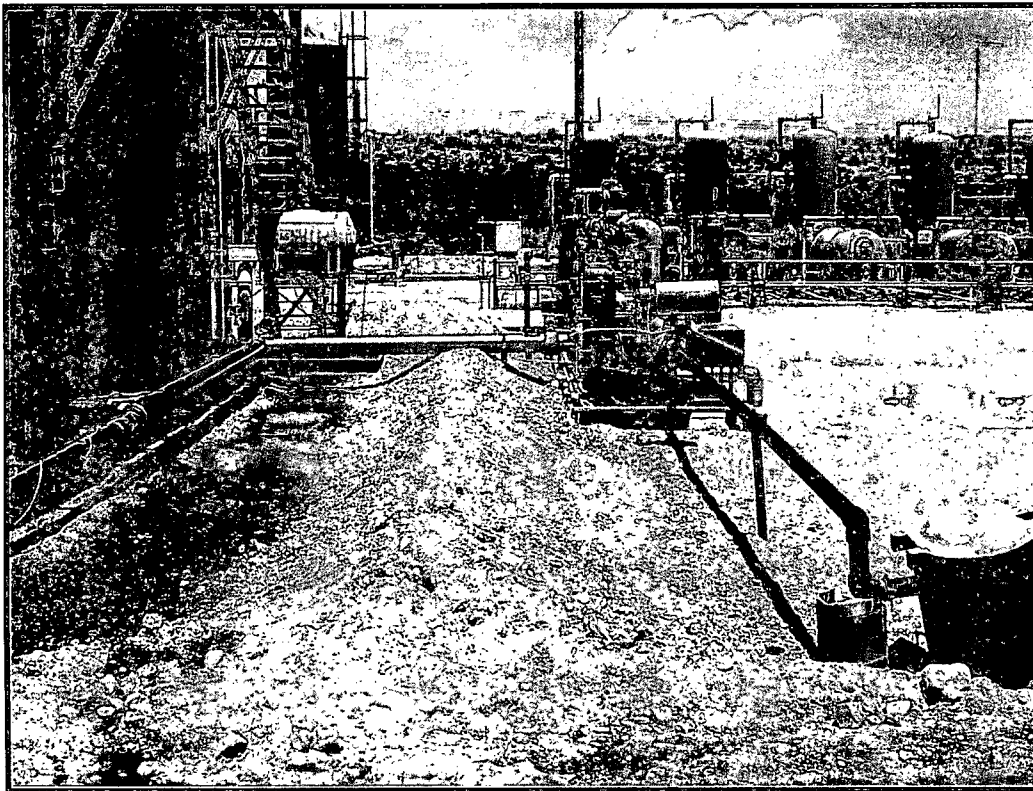
West side of release area facing north



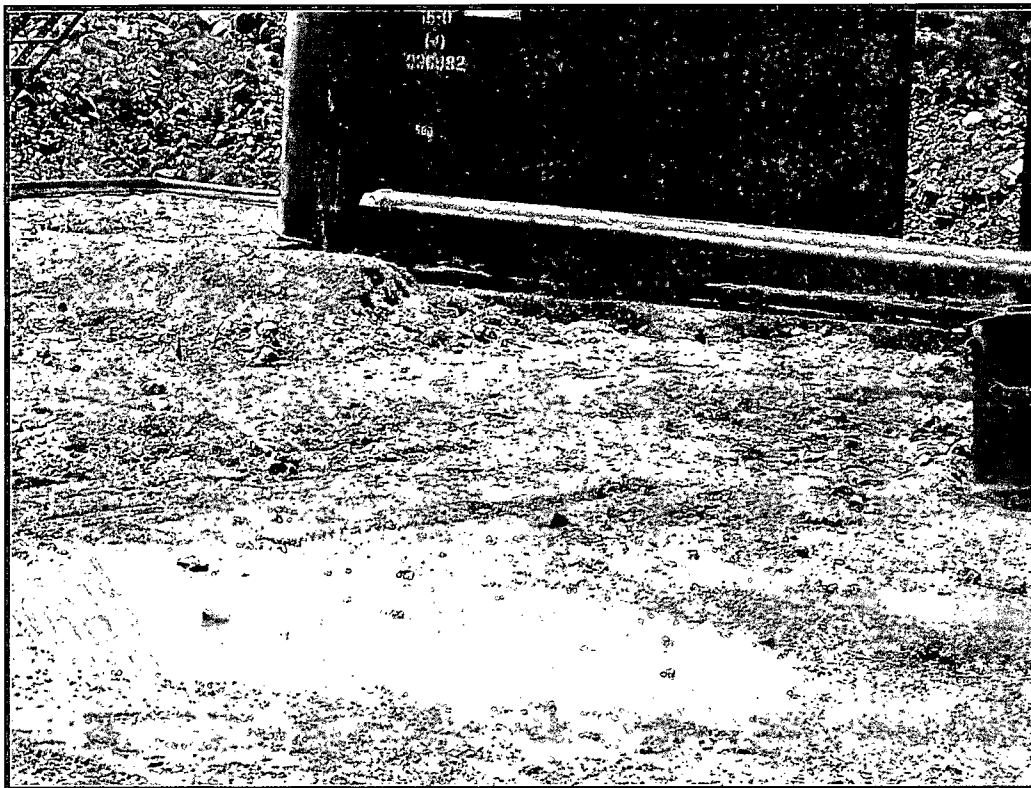
East side of release area facing north



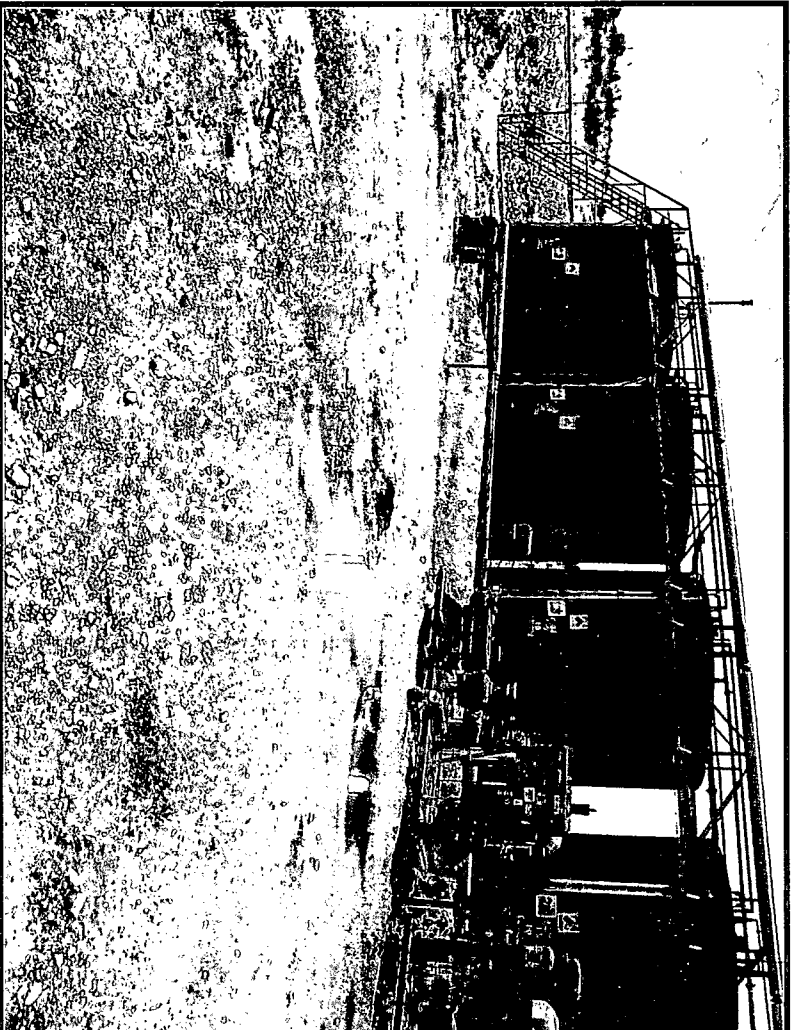
BH #2 at 5'



Release area inside berm facing north



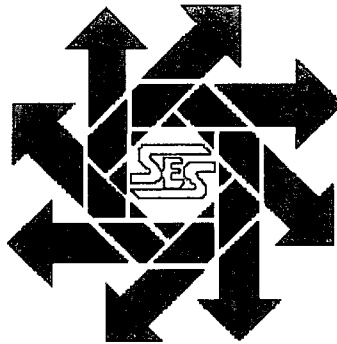
BH #1 and BH #2 facing west



BH #3 facing west

**Oxy USA Corporation
McKittrick Hills Central Tank Battery
Work Plan
Section 14, Township 22S, Range 24E
Eddy County, New Mexico**

May 28, 2008



Prepared for:

***Oxy USA WTP LP
P.O. Box 1988
Carlsbad, New Mexico 88221***

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton
Hobbs, New Mexico 88240
(575) 397-0510***

TABLE OF CONTENTS

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II. BACKGROUND	1
III. SURFACE AND GROUND WATER	1
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V. CLOSURE PLAN	1
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Figure 2 – Site Plan	3
Appendix A – C-141	4
Appendix B – Analytical Results	5
Appendix C – Site Photos.....	6

I. Company Contacts

NAME	Company	Telephone	E-mail
Rick Kerby	Oxy USA	575-390-8639	Rick_Kerby@oxy.com
Isaac Kincaid	SESI	575-390-8841	ikincaid@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by Oxy USA Corporation to perform remediation services at the McKittrick Hills Central Tank Battery. On May 1, 2008 a release occurred due to a hole in the bottom of one of the tanks at the battery. Approximately 132 barrels of oil was released.

III. Surface and Ground Water

The closest groundwater of record with the New Mexico State Engineers Office is located in Section 12 of the same range and township. The depth of water in this well was 585' in November of 2003.

IV. Work Performed

On May 8, 2008 SESI was on site to delineate the spill area. Three boreholes were installed to a depth of 5'. Grab samples were retrieved at this depth and transported under Chain of Custody to Argon Laboratories in Hobbs, NM for analysis. The samples were analyzed for Chlorides (EPA method 300.0), Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX) (EPA method 8021B), and Total Petroleum Hydrocarbons (TPH) (EPA method 418.1). The results of the analysis were as follows:

Sample Point	Chlorides	TPH	Benzene	Toluene	Ethyl Benzene	Xylenes
BH #1 5'	23	460	ND	ND	ND	ND
BH #2 5'	ND	8,000	ND	ND	ND	0.011
BH #3 5'	ND	2,000	ND	ND	ND	0.014

V. Closure Plan

Due to the fact that this is an active battery it is proposed to excavate the top 2' of contaminated soil and transport for disposal. The excavated are will then be backfilled with clean soils and returned to grade.

VI. Figures & Appendices

Figure 1 – Vicinity Map
Figure 2 – Site Plan
Appendix A – C-141
Appendix B – Analytical Results
Appendix C – Site Photos

Figure 1

Vicinity Map

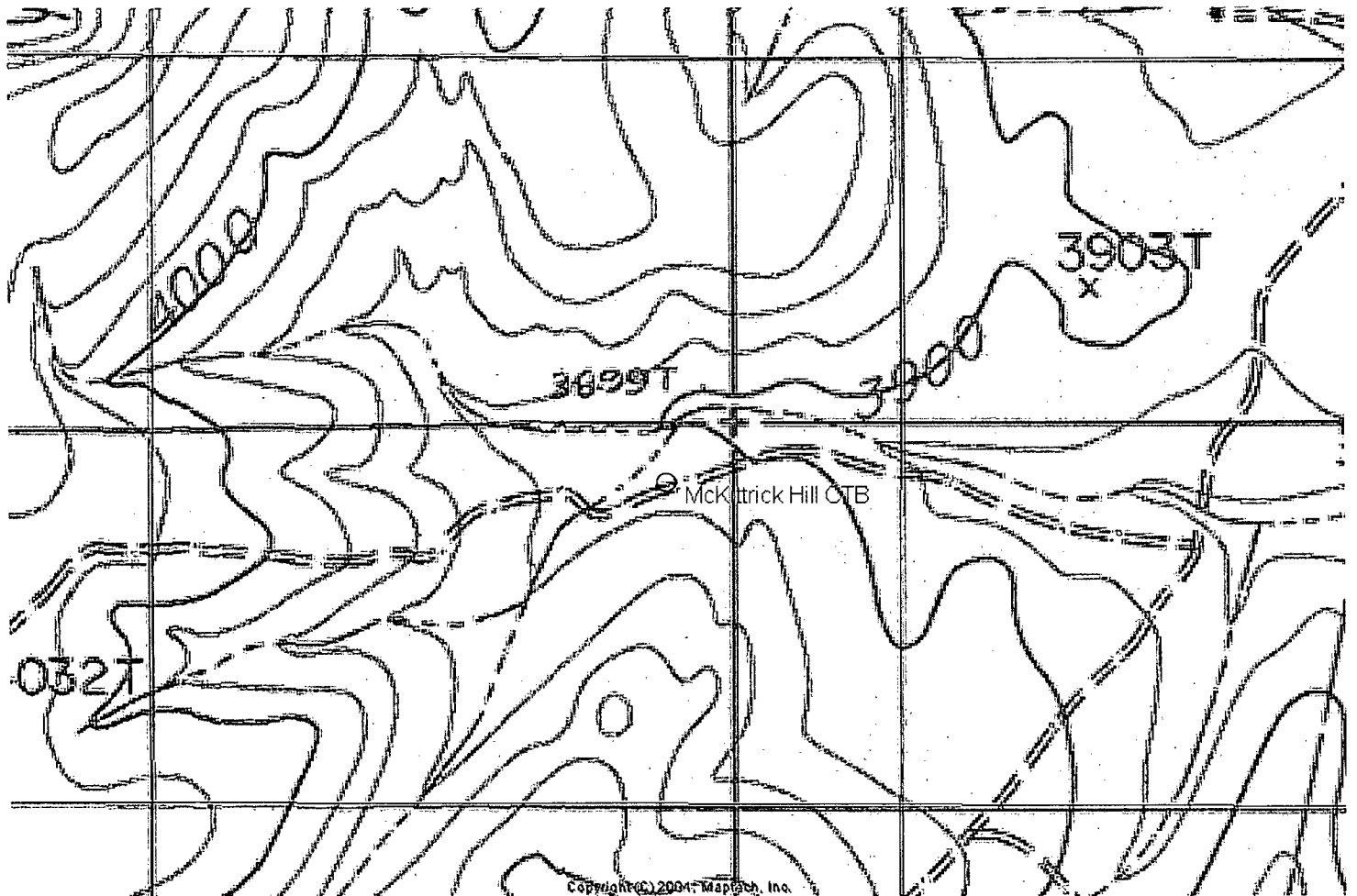
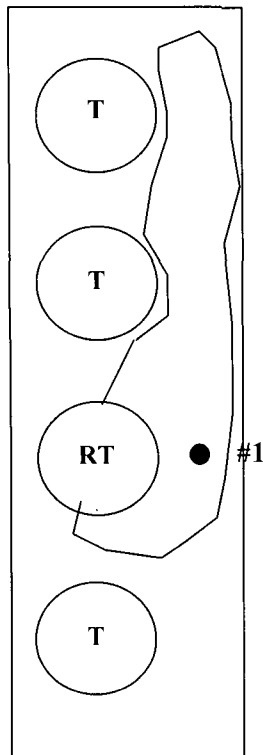
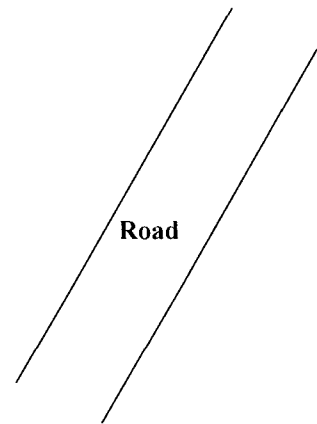
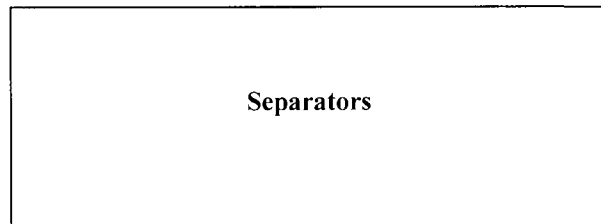
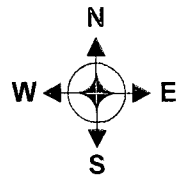


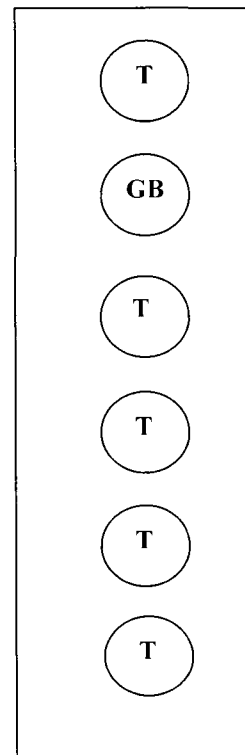
Figure 2

Site Plan



● #3

● #2



●--Borehole Sample

T--Tank

RT--Receiving Tank

GB--Gun Barrel

Not to Scale

OXY USA

McKittrick Hills Central Battery

**Safety & Environmental
Solutions, Inc.**



Appendix A

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company OXY USA WTP LP	Contact Rick Kerby
Address PO Box 1988 102 S Main Carlsbad NM 88220	Telephone No. (O) 505-887-8337 (C) 505-631-4972
Facility Name Mckittrick Hill CTB	Facility Type Indian Basin

Surface Owner	Mineral Owner	Lease No.
---------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	14	22 S	24 E					EDDY

Latitude _____ Longitude _____

NATURE OF RELEASE

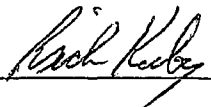
Type of Release Oil	Volume of Release 132.48	Volume Recovered 0
Source of Release Oil Leak	Date and Hour of Occurrence 10:00 AM	Date and Hour of Discovery 10:30 AM
Was Immediate Notice Given? Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Mike Bratcher NMOCD Jim Amos BLM	
By Whom? Rick Kerby	Date and Hour 1:40 PM 5-1-2008	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Hole in the bottom of the tank allowed fluid to leak out on the ground. All fluid contained inside secondary containment.

Describe Area Affected and Cleanup Action Taken.*
All fluid contained inside berm and work plan will be formulated and forwarded to appropriate government agencies

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: Rick Kerby	Approved by District Supervisor:		
Title: HES Tech	Approval Date:	Expiration Date:	
E-mail Address: rick_kerby@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 4-11-08	Phone: 631-4972		

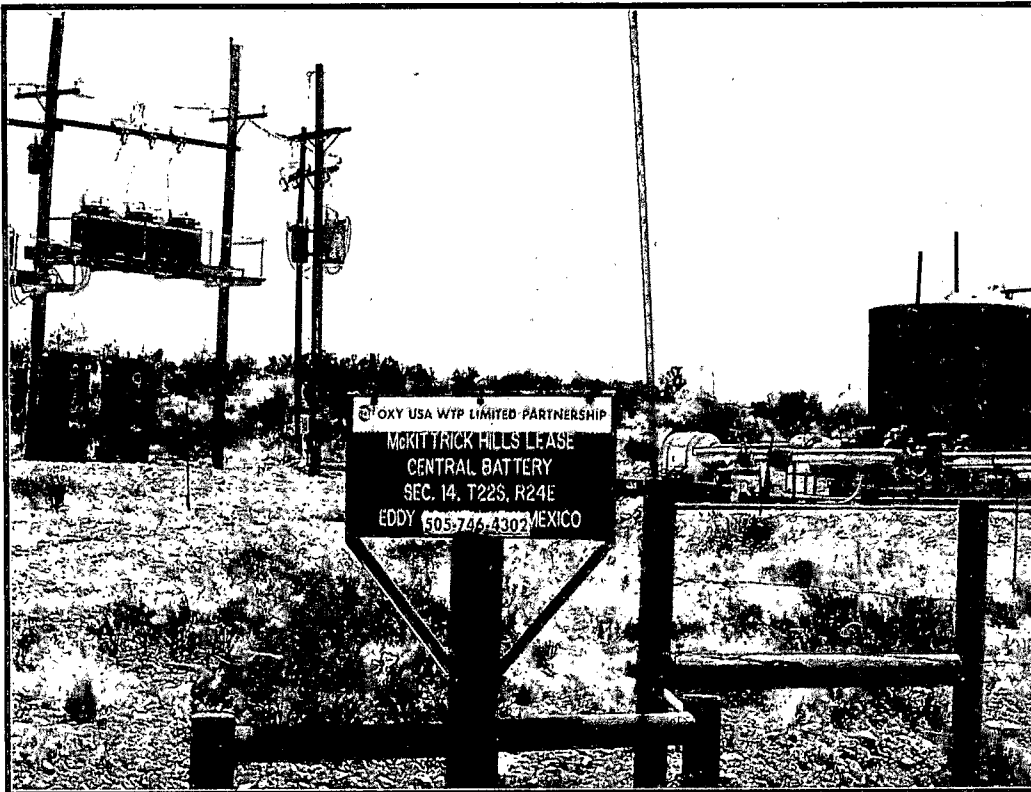
Attach Additional Sheets If Necessary

Appendix B

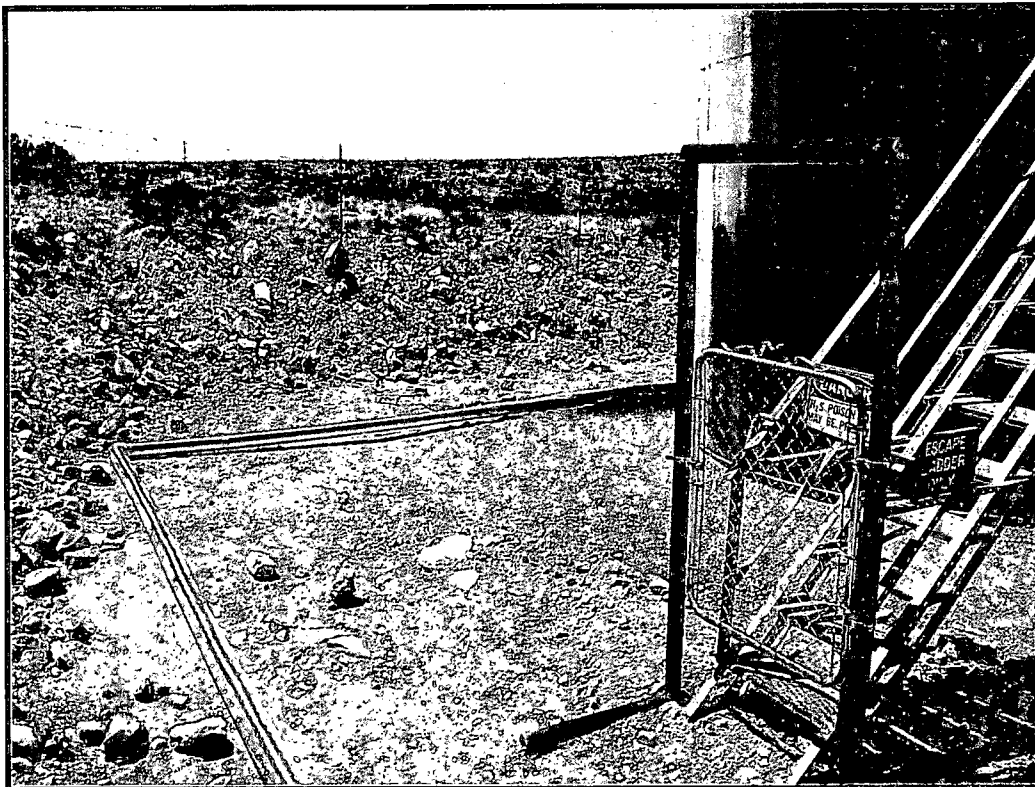
Analytical Results

Appendix C

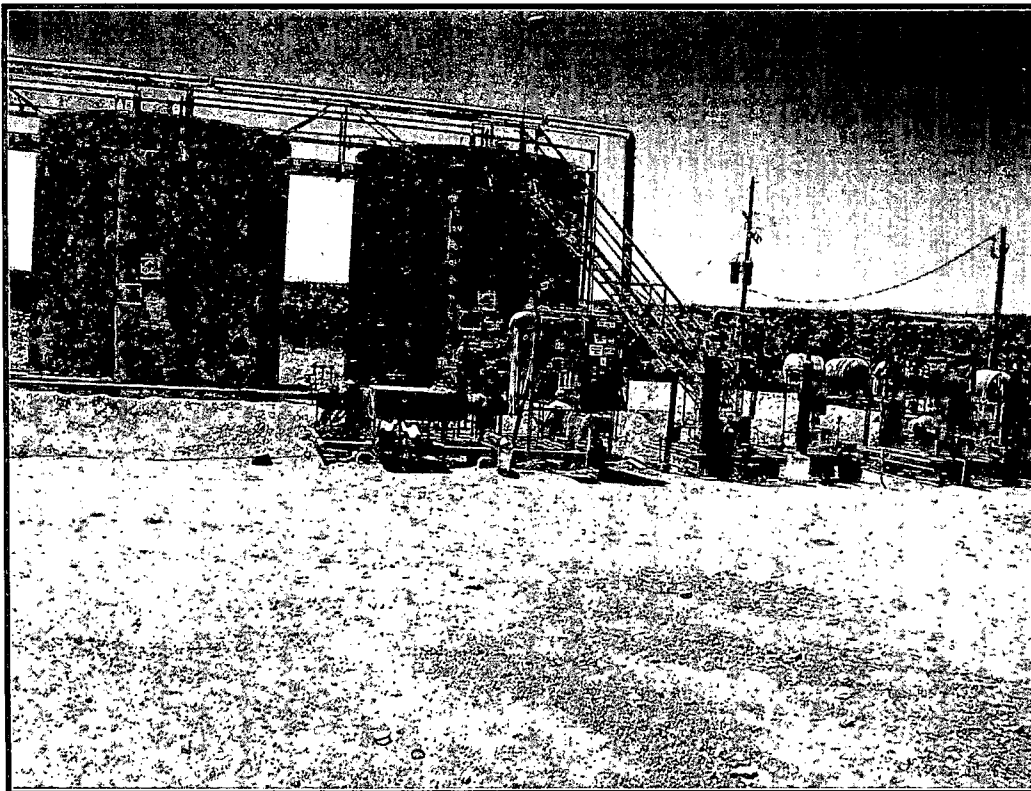
Site Photos



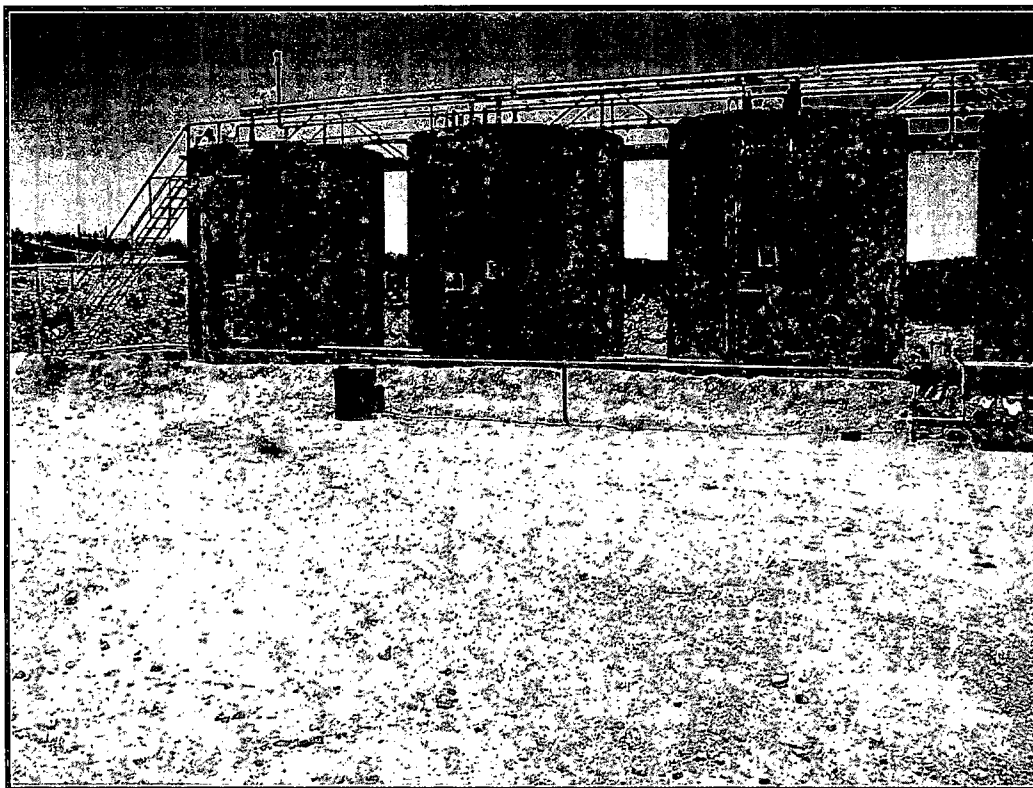
Well sign



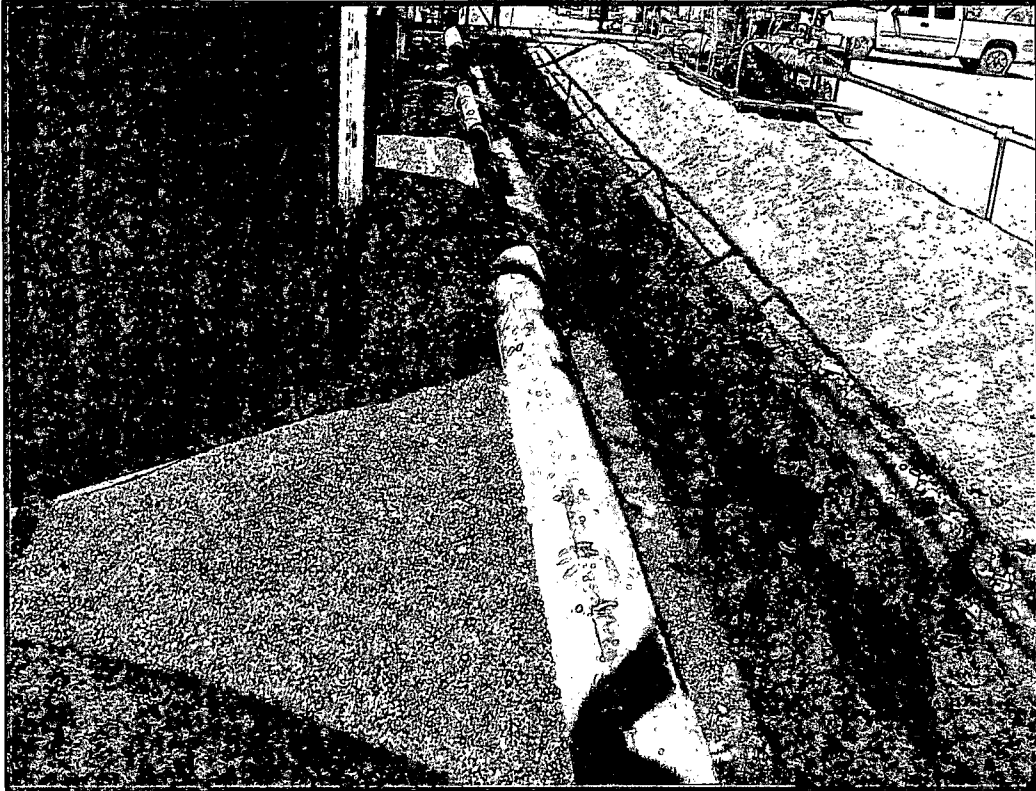
Southside of berm area



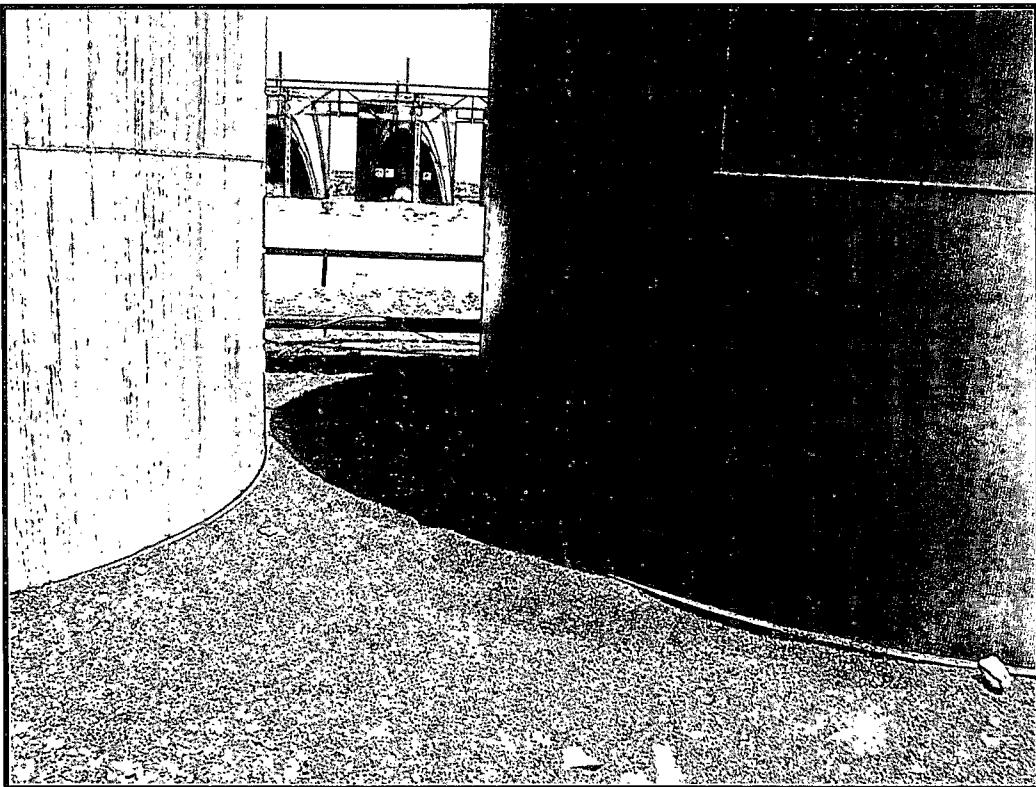
West side tanks facing west



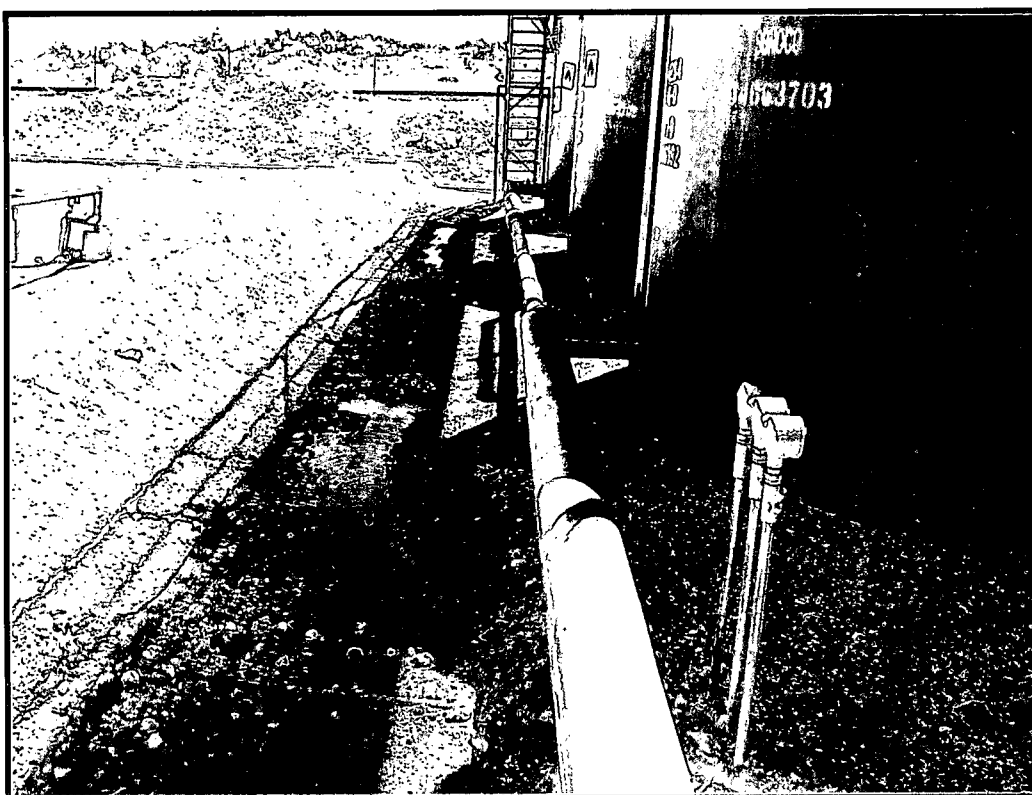
West side tank and location pad facing west



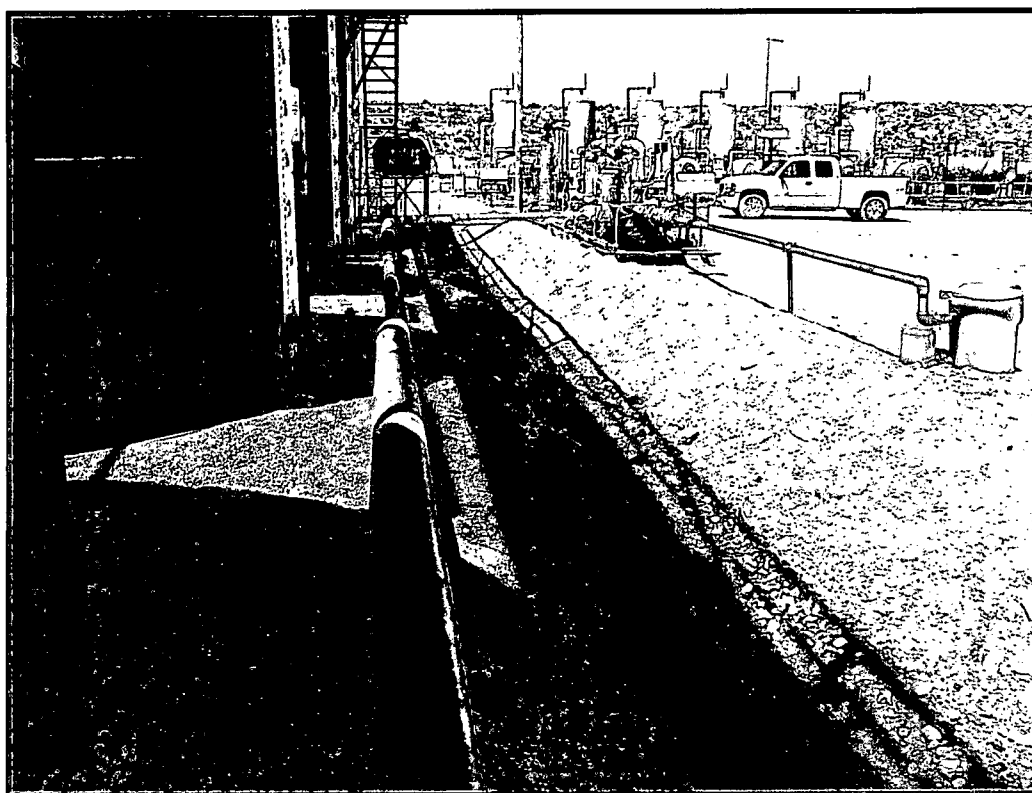
Release area facing north



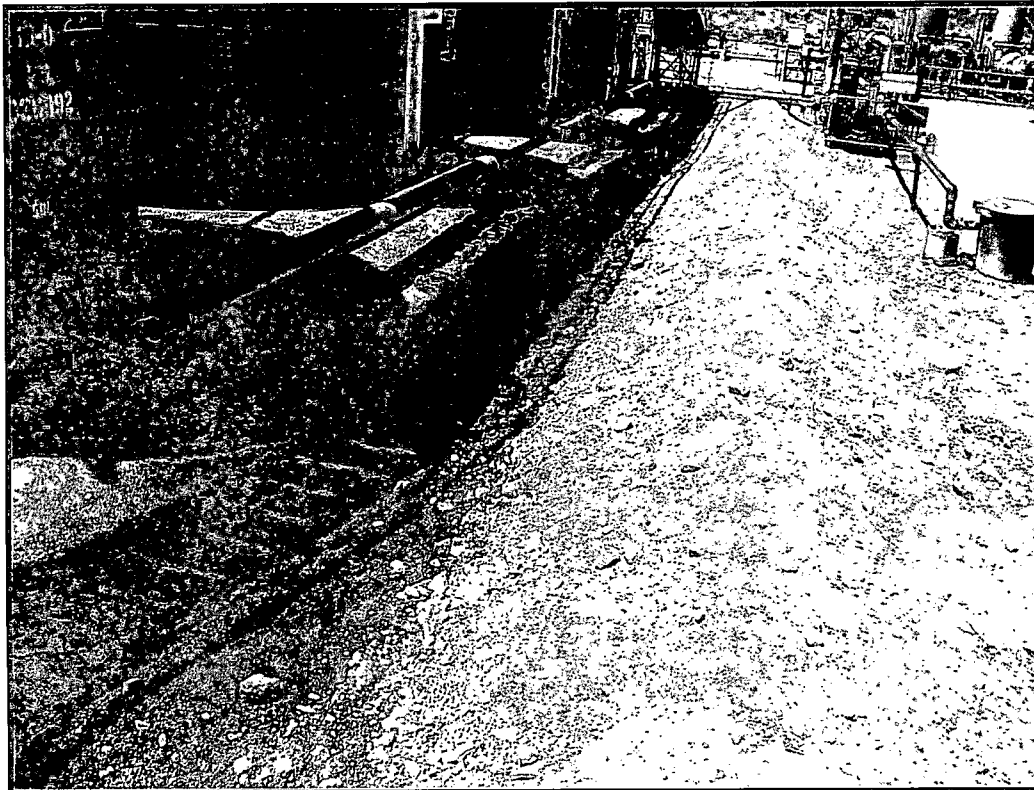
West side of release tank facing east



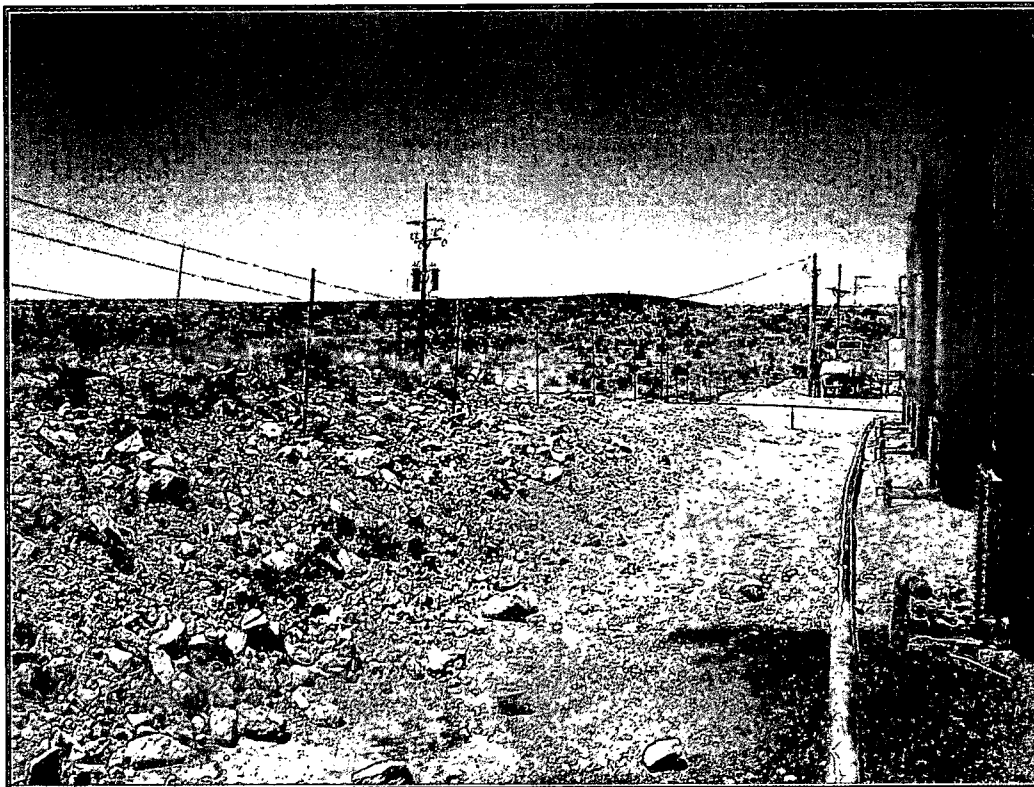
East side of release area facing south



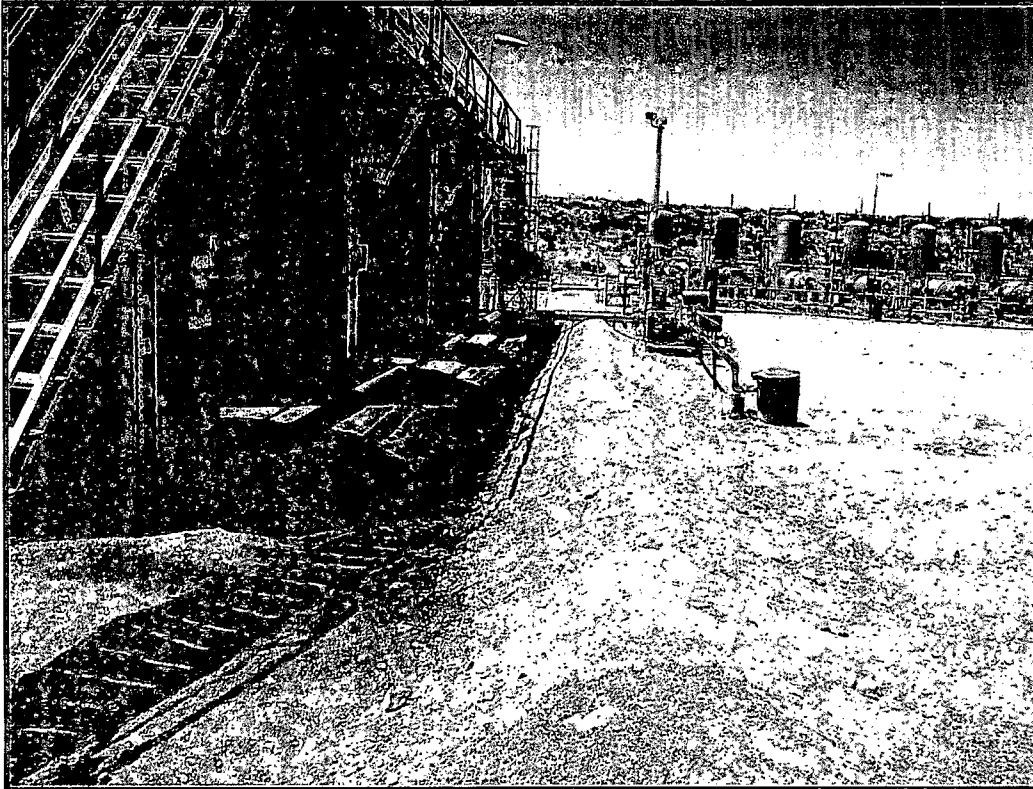
East side of release area facing north



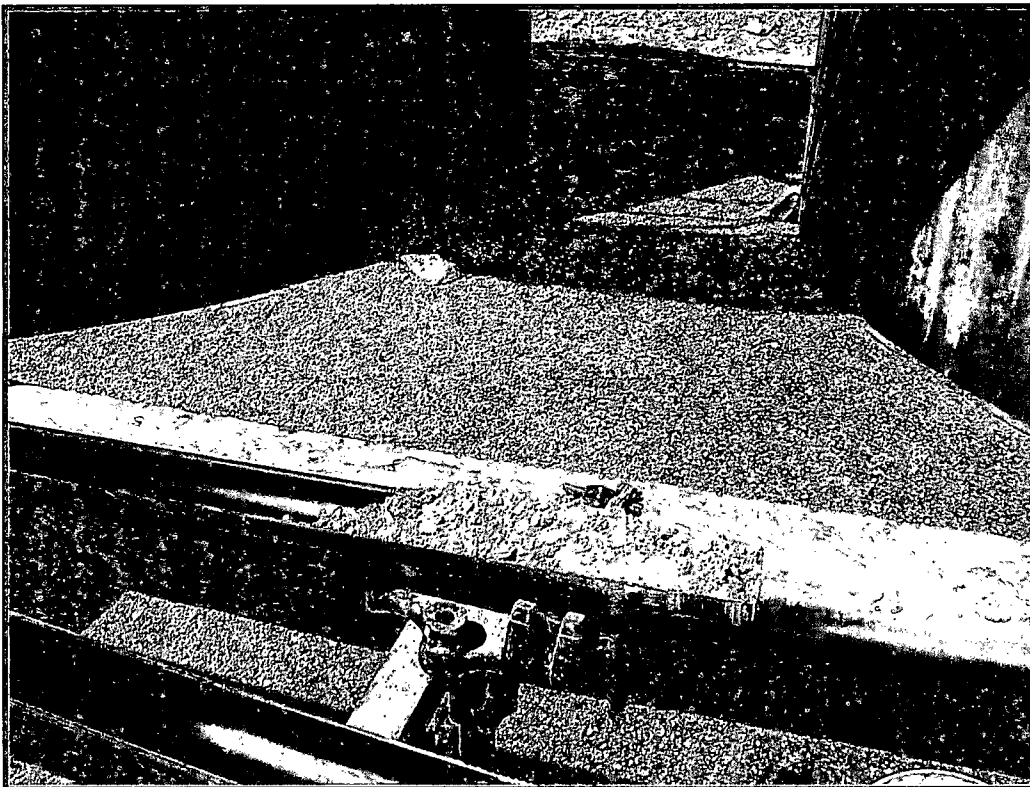
East side of release area facing north west



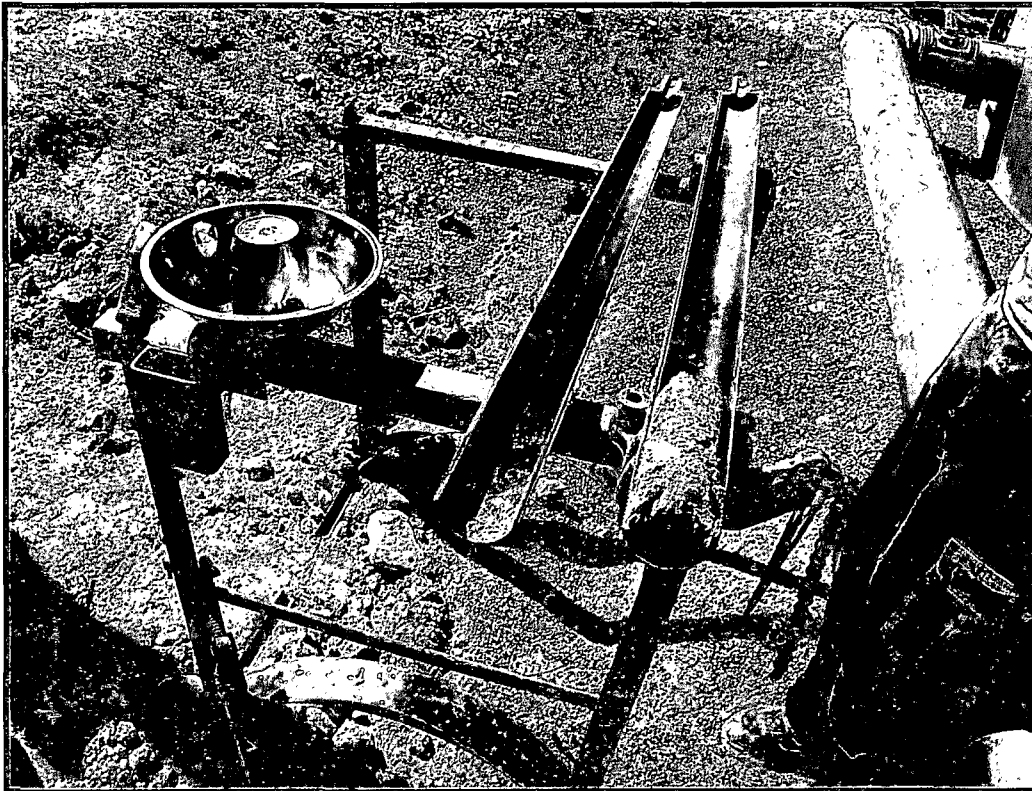
West side of release area facing north



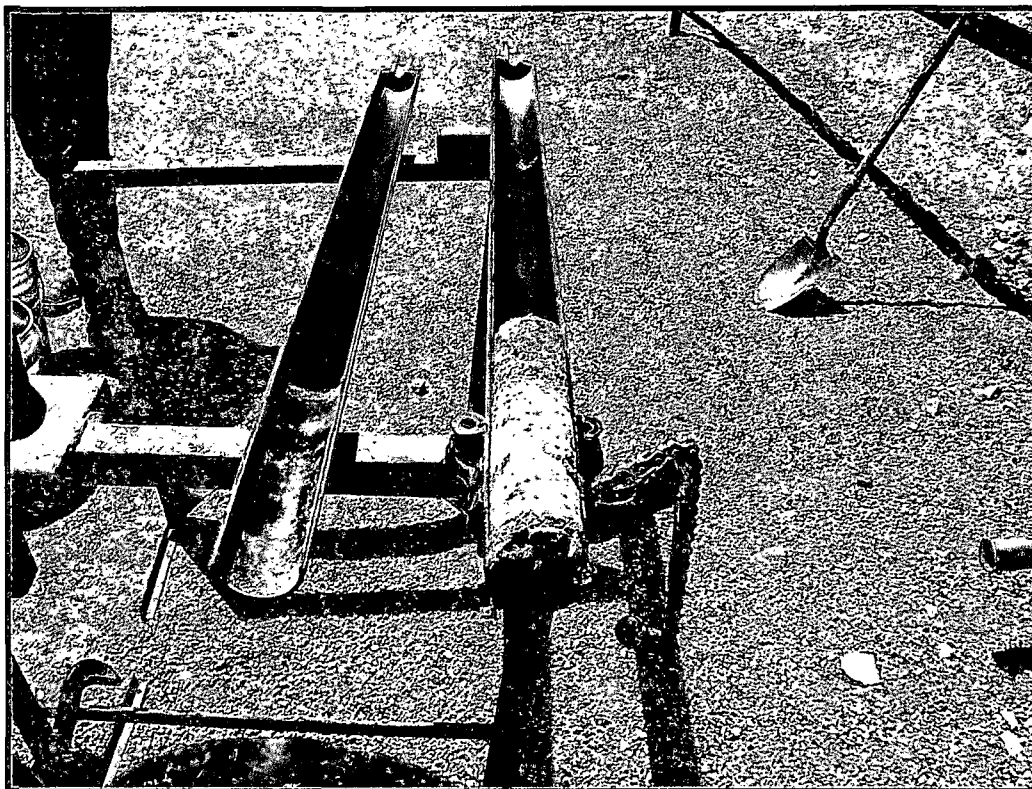
East side of release area facing north



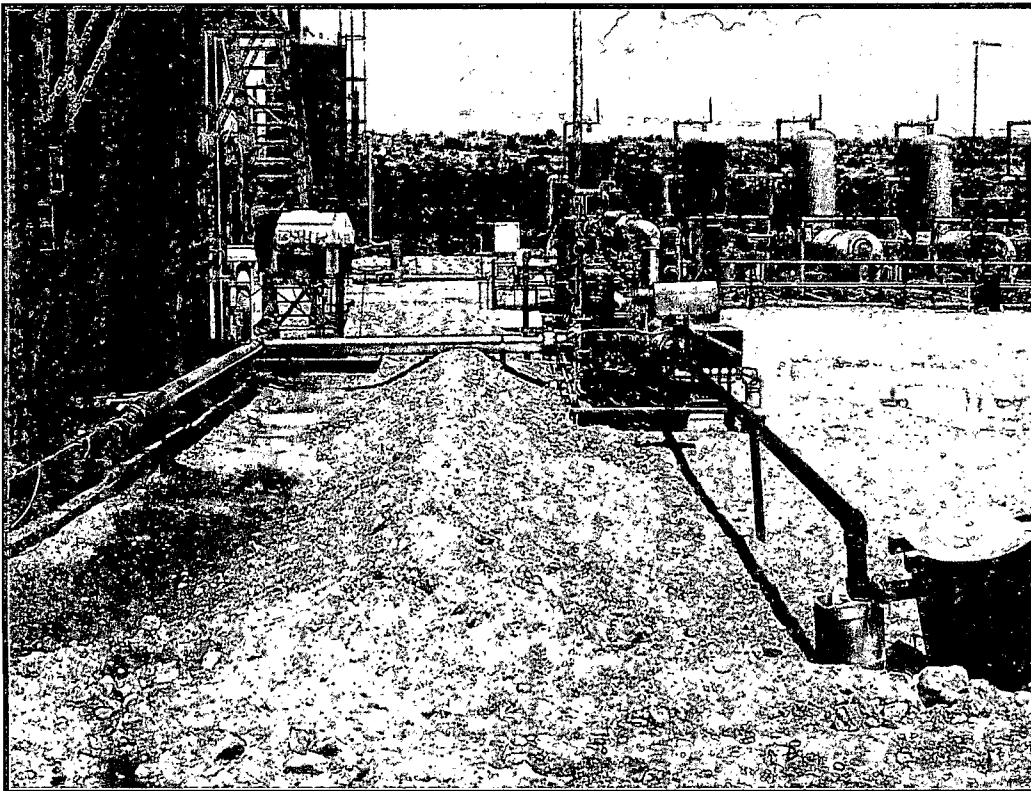
BH #2 at 5'



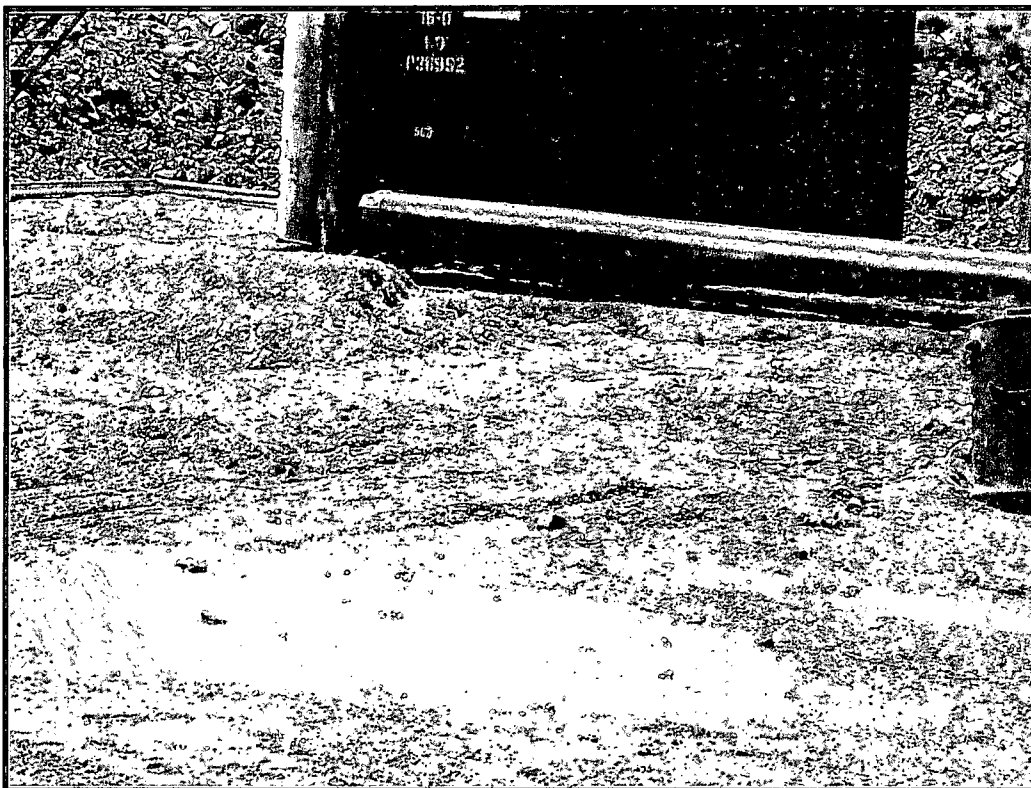
BH #1 at 5'



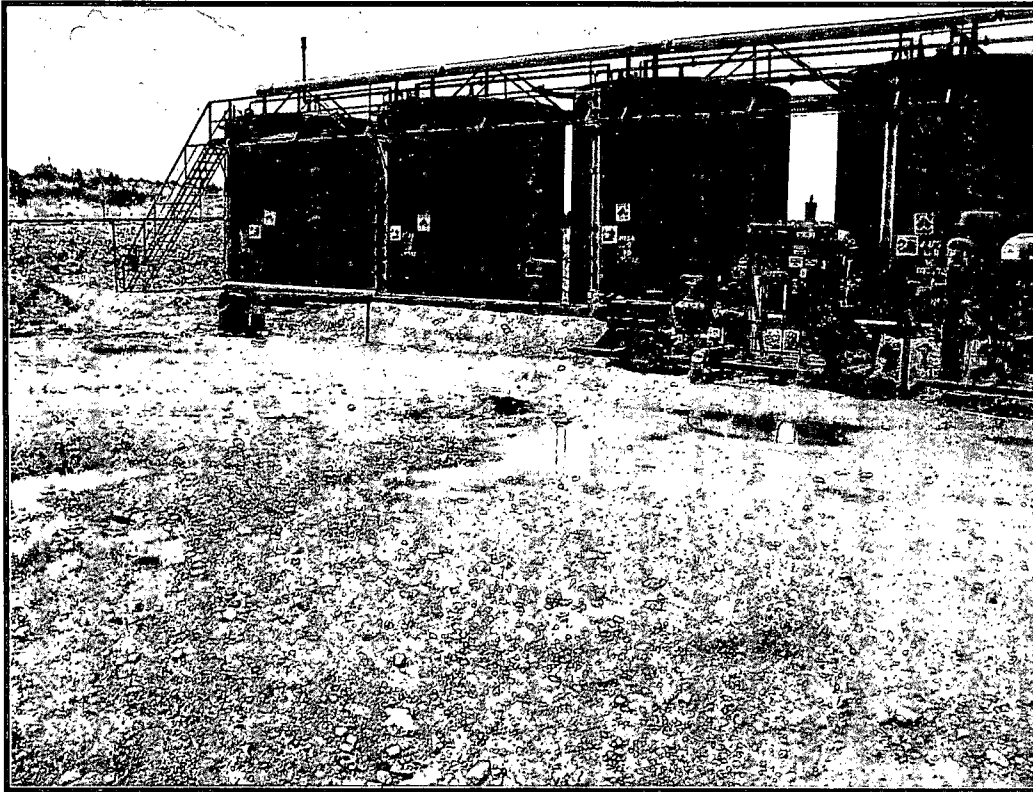
BH #3 at 5'



Release area inside berm facing north



BH #1 and BH #2 facing west



BH #3 facing west