

1R -

303

REPORTS

DATE:

2001

Presented to:

Chevron U.S.A.

PO Box 1949
Eunice, New Mexico 88231

Schubert Site

Remediation Report

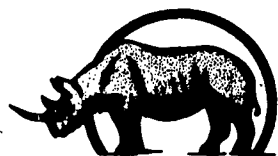
From:



RHINO

Environmental Services, Inc

4007 Lovington Hwy.
Hobbs, New Mexico 88240



RHINO

Environmental Services, Inc.

® P.O. Box 25547 • Albuquerque, New Mexico 87125

Phone (505) 247-4646 • Fax (505) 797-4874

April 27, 2001

Chevron U.S.A.
PO Box 1949
Eunice, New Mexico 88231

Attn: Mr. Nathan Mouser

RE: Schubert Site Remediation and Clean Up Summary

Dear Mr. Mouser:

Rhino Environmental Services, Inc. (Rhino) would like to take this time to thank you and Chevron USA for the opportunity to provide our professional services on the Schubert site clean up that you have requested. Please find in the following a brief summary of the clean up operations.

Summary of Work

On 4-3-01 Rhino mobilized to the Schubert site a loader to start the clean up operations that had been requested. The loader started by removing and stockpiling 3" to 4" of impacted material from the sites. Once all of the impacted soils were stockpiled the two sites were sampled and sent to a third party lab for analysis as per Mr. Wayne Price with the NMOCD (see attached lab analysis).

On 4-4-01 Rhino started transporting the impacted soils to the Chevron land farm cells located at Rhino's OCD Land Farm. The backfill was picked up from Mr. Schubert and transported back to the site on the backhaul to help control the overall cost of the project.

On 4-5-01 Rhino was continuing to transport impacted soils to Chevron's land farm cells. The loader started backfilling the site with clean fill.

Chevron USA
Schubert Site Clean Up
RH01-AH20



RHINO ENVIRONMENTAL SERVICES, INC.

On 4-6-01 Rhino had finished transporting the impacted soils to Chevron's land farm cells. The loader finished backfilling the sites. The site on the southwest edge of the field was still below grade, this was due to the fact that some work had been done by a previous contractor and not completed. There was a total of 692cyds of impacted soils that were taken off site for disposal and placed in Chevron cell # 2.

On 4-18-01 As per Mr. Nathan Mouser Rhino started hauling fill from Mr. Schubert to bring the site back up to grade.

On 4-19-01 Rhino finished transporting the fill material and the loader started backfilling the site.

On 4-20-01 Rhino finished backfilling and dressed the site back off to grade. There was a total of 1,750cyds that was used to backfill and dress off the site.

If you have any questions and/or need more data in regards to this project please call at any time.

Sincerely,

Allen Hodge, REM
Sr. Project Manager
Rhino Environmental Services, Inc.

**ANACHEM INC.**

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

April 23, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
4007 Lovington Hwy.

Hobbs, NM 88240
TEL: 505-392-4498 505-392-9376

Work Order: 0104204
Project: RH01-AH20 Chevron/Schubert Site

Dear Client:

Anachem, Inc. received 3 samples on 04/17/2001 for the analyses presented in the following report.

The samples were analyzed for the following tests:

ICP (EPA 6010)

Arsenic
Barium
Cadmium
Chromium
Lead
Selenium
Silver

Mercury Digestion (EPA 7471)

Mercury/Hg by Cold Vapor (EPA 7471)

Microwave Digestion (EPA 3051) Solid

TPH DRO by Mod. EPA 8015 - Solid

TPH GRO by Mod. EPA 8015 - Solid

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar materials.

010 To 0104204-03A

Page 1 Of 5

Visit us on the internet at <http://www.anachem.com>

**ANACHEM INC.**

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

April 23, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
Work Order: 0104204
Project: RH01-AH20 Chevron/Schubert Site

Respectfully Submitted,
Anachem, Inc.

Howard H. Hayden, B.S.
Chemist

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar materials.

010 To 0104204-03A

Page 2 Of 5

Visit us on the internet at <http://www.anachem.com>

Anachem, Inc.

Date: 23-Apr-01

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0104204
Project: RH01-AH20 Chevron/Schubert Site

Analyses	Result	Limit	Units	Date Analyzed
Lab ID: 0104204-01A				
Client Sample ID: South Corner Comp.		Collection Date: 4/16/2001		
Location: Schubert Site, Hobbs, NM		Matrix: SOIL		
0104204-01A	MERCURY/HG BY COLD VAPOR (EPA 7471)		Prep Date:	Analyst: Sub
BatchID: R10729				
Mercury	ND	0.2	mg/Kg	4/19/2001
0104204-01A	ICP (EPA 6010)		Prep Date:	Analyst: Sub
BatchID: R10729				
Arsenic	ND	5	mg/Kg	4/19/2001
Barium	67	5	mg/Kg	4/19/2001
Cadmium	ND	1	mg/Kg	4/19/2001
Chromium	10	5	mg/Kg	4/19/2001
Lead	ND	5	mg/Kg	4/19/2001
Selenium	ND	5	mg/Kg	4/19/2001
Silver	ND	5	mg/Kg	4/19/2001

Lab ID: 0104204-02A				
Client Sample ID: East Center Comp.		Collection Date: 4/16/2001		
Location: Schubert Site, Hobbs, NM		Matrix: SOIL		
0104204-02A	MERCURY/HG BY COLD VAPOR (EPA 7471)		Prep Date:	Analyst: Sub
BatchID: R10729				
Mercury	ND	0.2	mg/Kg	4/19/2001
0104204-02A	ICP (EPA 6010)		Prep Date:	Analyst: Sub
BatchID: R10729				
Arsenic	ND	5	mg/Kg	4/19/2001
Barium	48	5	mg/Kg	4/19/2001
Cadmium	ND	1	mg/Kg	4/19/2001
Chromium	6	5	mg/Kg	4/19/2001
Lead	ND	5	mg/Kg	4/19/2001
Selenium	ND	5	mg/Kg	4/19/2001
Silver	ND	5	mg/Kg	4/19/2001

Lab ID: 0104204-03A				
Client Sample ID: East Area #5 Comp.		Collection Date: 4/16/2001		
Location: Schubert Site, Hobbs, NM		Matrix: SOIL		
0104204-03A	TPH DRO BY MOD. EPA 8015 - SOLID		Prep Date: 4/18/2001	Analyst: HH
BatchID: R10691				
Diesel Range Organics	ND	5	mg/Kg	4/18/2001

Qualifiers: ND - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank

Date: 23-Apr-01

Anachem, Inc.

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0104204
Project: RH01-AH20 Chevron/Schubert Site

Analyses	Result	Limit	Units	Date Analyzed
0104204-03A	TPH GRO BY MOD. EPA 8015 - SOLID			
BatchID: R10724				
Gasoline Range Organics	ND	1	mg/Kg	4/18/2001

Qualifiers: ND - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 23-Apr-01

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0104204
Project: RH01-AH20 Chevron/Schubert Site

QC SUMMARY REPORT**TPH DRO by Mod. EPA 8015 - Solid**

BatchID: R10691	Units: mg/Kg	Analysis Date: 4/18/2001					
Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics	500	110.2%	114.0%	20%	150%	3.4%	30

BTEX by EPA 8021 - Solid

BatchID: R10724	Units: mg/Kg	Analysis Date: 4/18/2001					
Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	100	89.5%	89.8%	70%	130%	0.3%	30
Toluene	100	98.9%	99.7%	70%	130%	0.8%	30
Ethylbenzene	100	100.0%	101.0%	70%	130%	1.0%	30
Xylenes, Total	300	101.0%	102.0%	70%	130%	1.0%	30

APR-20-01 FRI 15:58 ENRECO LABS

8863526454

ASK Laboratories, Inc.
Analytical Services Kwik!**ASK LABORATORIES, INC.**
5935 GLENOAK LANE
AMARILLO, TEXAS 79109Attn: CUSTOMER SERVICES
Phone: (806) 353-4425ANACHEM, INCORPORATED
8 PRESTIGE CIRCLE
SUITE 104
ALLEN, TX 75002
Attn: VELDA EMBREY
Invoice Number:Order #: 01-04-130
Date: 04/20/01 16:35
Work ID: SAMPLE 0104204-01A, -2A
Date Received: 04/19/01
Date Completed: 04/20/01
Client Code: ANACHEMSAMPLE IDENTIFICATION

Sample Number	Sample Description
01	SAMPLE 0104204-01A

Sample Number	Sample Description
02	SAMPLE 0104204-02A


Certified By
Alan D. King5935 Glenoak Lane
Amarillo, Texas 79109
Telephone (806) 353-4425
Toll Free 1-800-423-9443
Facsimile (806) 352-8464

Please Note: Liability and Damages. ASK Laboratories, Inc. liability and claims exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by ASK Laboratories, Inc. within thirty days of the applicable service. In no event shall ASK Laboratories, Inc. be liable for incidental or consequential damages, including those without limitation, business interruption, loss of use, or loss of profits incurred by the client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services rendered by ASK Laboratories, Inc. regardless of whether such claim is based upon any of the foregoing stated reasons or otherwise.

ASK Laboratories, Inc.

Analytical Services Kwik!

Order # 01-04-130
04/20/01 16:35

ASK LABORATORIES, INC.

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A SAMPLE 0104204-01A

Collected: 04/16/01

Test DescriptionResultPQLUnitsAnalyzedBy

RCRA 8 METALS - TOTALS

ARSENIC	<5	5	mg/kg	04/19/01	EMC
BARIUM	67	5	mg/kg	04/19/01	EMC
CADMIUM	<1	1	mg/kg	04/19/01	EMC
CHROMIUM	10	5	mg/kg	04/19/01	EMC
LEAD	<5	5	mg/kg	04/19/01	EMC
MERCURY	<0.20	0.20	mg/kg	04/19/01	EMC
SELENIUM	<5	5	mg/kg	04/19/01	EMC
SILVER	<5	5	mg/kg	04/19/01	EMC

Sample: 02A SAMPLE 0104204-02A

Collected: 04/16/01

Test DescriptionResultPQLUnitsAnalyzedBy

RCRA 8 METALS - TOTALS

ARSENIC	<5	5	mg/kg	04/19/01	EMC
BARIUM	48	5	mg/kg	04/19/01	EMC
CADMIUM	<1	1	mg/kg	04/19/01	EMC
CHROMIUM	6	5	mg/kg	04/19/01	EMC
LEAD	<5	5	mg/kg	04/19/01	EMC
MERCURY	<0.20	0.20	mg/kg	04/19/01	EMC
SELENIUM	<5	5	mg/kg	04/19/01	EMC
SILVER	<5	5	mg/kg	04/19/01	EMC

8935 Glenoak Lane
Amarillo, Texas 79109
Telephone (806) 353-4425
Toll Free 1-800-423-9443
Facsimile (806) 352-6454

Please Note: Liability and Damages. ASK Laboratories, Inc. liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by ASK Laboratories, Inc. within thirty days of the applicable service. In no event shall ASK Laboratories, Inc. be liable for incidental or consequential damages, including those without limitation, business interruption, loss of use, or loss of profits incurred by the client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services rendered by ASK Laboratories, Inc. regardless of whether such claim is based upon any of the preceding stated reasons or otherwise.

APR-20-01 FRI 15:59 ENRECO LABS

8063526454

ASK Laboratories, Inc.

Analytical Services Kwiki

Page 3

Order # 01-04-130
04/20/01 16:35

ASK LABORATORIES, INC.

QA/QC INFORMATION

METALS	RPD	SPIKE RECOVERY	QC RECOVERY	BLANK
ARSENIC	5.5%	102%	102%	bdl
BARIUM	5.5%	102%	103%	bdl
CADMIUM	4.8%	100%	102%	bdl
CHROMIUM	5.0%	104%	102%	bdl
LEAD	5.5%	102%	100%	bdl
MERCURY	4.2%	89%	104%	bdl
SELENIUM	4.8%	101%	96%	bdl
SILVER	5.2%	100%	98%	bdl

bdl=below detectable levels

TEST METHODOLOGIES

TEST CODE : T_DIG

TEST NAME : TOTAL DIGESTION

METHOD 3050 : ACID DIGESTION OF SEDIMENTS, SLUDGES,
AND SOILS. TEST METHODS FOR EVALUATING SOLID WASTE, 3RD
EDITION, DECEMBER 1987.

TEST CODE : RCRA_8

TEST NAME : RCRA 8 METALS ANALYSES

METHOD 6010, TOTAL METALS BY ICP ANALYSIS
SW-846 TEST METHODS FOR EVALUATING SOLID WASTE.
(As, Ba, Cd, Cr, Pb, Se, Ag)METHOD 7471, TOTAL MERCURY ANALYSIS
BY MANUAL COLD VAPOR AAS. SW-846 TEST METHODS FOR
EVALUATING SOLID WASTE.5935 Glenoak Lane
Amarillo, Texas 79109
Telephone (806) 353-4425
Toll Free 1-800-423-8443
Facsimile (806) 352-8454

Please Note: Liability and Damages. ASK Laboratories, Inc. liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, whether for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by ASK Laboratories, Inc. within thirty days of the applicable service. In no event shall ASK Laboratories, Inc. be liable for incidental or consequential damages, including those without limitation, business interruption, loss of use, or loss of profits incurred by the client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services rendered by ASK Laboratories, Inc. regardless of whether such claim is based upon any of the preceding stated reasons or otherwise.

Purchase Order/Chain Of Custody

[illegible]



Beginning Site Photos





In Progress Site Photos





In Progress Site Photos





In Progress Site Photos





Final Site Photos

