1R - 170

REPORTS

DATE:

2001

Presented to:

Two State Tank Rental, Inc.

PO Box 2305
Hobbs, New Mexico 88241

Hobbs Yard

Pit Remediation Report

From:

RHINO
Environmental Services, Inc
4007 Lovington Hwy.
Hobbs, New Mexico 88240

INDEX

RHINO
Environmental Services, Inc.
P.O. Box 25547 • Albuquerque, New Mexico 87125
Phone (505) 247-4646 • Fax (505) 797-4874

March 15, 2001

Two State Tank Rental, Inc.
PO Box 2305
Hobbs, New Mexico 88241

Attn: Mr. C. A. Slater

RE: Hobbs Yard Pit Remediation Report

Dear Mr. Slater:

Rhino Environmental Services, Inc. (Rhino) would like to take this time to thank you and Two State Tank Rental, Inc. for the opportunity to provide our professional services on the pit remediation/clean up that you have requested, for the Hobbs yard.

Please find in the following report the summary with finding and conclusions, on-site analysis, lab analysis, site map and job photos.

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.

Summary/Overview

Summary/Overview

The Hobbs yard, old pit site was remediated in accordance with the New Mexico Oil Conservation Divisions (NMOCD) guidelines for clean up of Unlined Surface Impoundments. It is our understanding that any potential contamination from the pit site was a result of activities associated with the operation of an oil and gas service company.

The potential contaminates of concern were mid to high-level concentrations of petroleum-based hydrocarbons and produced water that were lost due to the cleaning of tanks and absorbed by the surrounding near-surface soils.

The NMOCD regulates the remediation and disposal of non-domestic wastes resulting from the oil and gas industry. In addition, the NMOCD administers all Water Quality Act regulations pertaining to surface and ground water except sewage for the oil and gas industry. This authority includes the disposition of non-domestic, non-hazardous wastes at oilfield facilities.

The Hobbs yard pit site was located on West County Road in Hobbs, New Mexico. The site is primarily used for the operation of a tank rental company.

The ground water depth data that was available for this section from the state engineers office showed the depth to ground water to be in the 50' range.

Pursuant to the NMOCD guidelines for clean up of Unlined Surface Impoundments, the clean up level for this pit will be at <100 ppm of TPH and ND for BTEX. The NMOCD has also asked for Chlorides although there are no set standards.

As per Mr. Wayne Price with the NMOCD, to leave the site at a higher level, we had to demonstrate that the ground water at the site would be protected from future impact. This was achieved by placing two foot of clay on top of the confining rock layer at the site (see attached soil proctor)

Findings and Conclusions

1. The clean up operations were started on 1-22-01, after Rhino had received verbal approval to proceed with clean up operations from Mr. Wayne Price with the NMOCD, based on our work plan dated 1-10-01.

2. The pit was 225' long and had an average width of 34'and was excavated to an average depth of 16'. The pit generated 4,452cyds of impacted soils that were transported off site to Rhino's OCD Land Farm. This facility is permitted and approved from the NMOCD to take none-hazardous oilfield waste.

3. This pit cleaned up very well, with vertical depth of impact only going 17" in depth and stopping on the confining rock layer at the site. All of the final lab analysis was well below the NMOCD guidelines, as per Mr. Price (see lab analysis for actual levels).

4. There was a total of 4,452cyds of impacted soils that were transported off site to Rhino's OCD land farm. This facility is an NMOCD approved and permitted site.

5. Once excavation was complete, under the south end of the cement cleanout pit there was some impacted soils that were left in place. This was due to the fact that these soils could not be excavated with out damaging the cement pit. The wall under the cement showed visually that the cement pit has not been leaking, by the clean fill that was placed in the under the cement when it was constructed (see on-site analysis).

6. Due to the fact that there was two foot of clay placed on top of the confining rock layer, this site should pose very little if any future environmental threat.

7. The site was backfilled, first with two foot of clay (see soil proctor) then there was clean backfill placed in the excavation back to one foot from surface and dressed off back to grade with clean caliche.

8. On the north end of the excavation next to the cement cleanout pit, new leak detection was installed to monitor the south side for any future leaks that might occur. This will further insure that the site will remain in good environmental condition.

9. Please refer to the rest of this report for the on-site analysis, final lab analysis and clay proctor for site closure.

Chronological

Chronology of Operations

1. On 1-17-01 Rhino's Sr. Project Manager Mr. Allen Hodge contacted Mr. Wayne Price with the NMOCD and got approval to proceed with clean up operations based on our work plan dated 1-10-01. Rhino then called New Mexico One Call for excavation line spots, conformation #01011809190201.

2. On 1-22-01 Rhino was on site, first we had a tailgate safety meting to go over possible safety concerns of the site and to cover the clean up operations. A trackhoe was utilized to start the excavation and to start stockpiling the impacted soils for trucks to transport off site to a NMOCD approved disposal facility. A loader was utilized to load trucks for transportation. There was a total of 180cyds taken off site for disposal on this date.

3. On 1-23-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 520cyds taken off site for disposal on this date.

4. On 1-24-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 540cyds taken off site for disposal on this date.

5. On 1-25-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 420cyds taken off site for disposal on this date.

6. On 1-26-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 360cyds taken off site for disposal on this date.

7. On 1-29-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils, found the south end of the old pit. A loader was utilized to load trucks for transportation. There was a total of 260cyds taken off site for disposal on this date.

8. On 1-30-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 200cyds taken off site for disposal on this date. The trucks started backhauling clean fill material and stockpiling on site.

9. On 1-31-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 220cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site.

10. On 2-1-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 420cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site.

11. On 2-2-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 400cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site.

12. On 2-3-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 400cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site.

13. On 2-4-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 180cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site.

14. On 2-5-01 Rhino had a tailgate safety meeting; trackhoe excavating and stockpiling impacted soils. A loader was utilized to load trucks for transportation. There was a total of 352cyds taken off site for disposal on this date. Trucks are backhauling clean fill material back to the site. At this point all of the impacted soils had been taken for disposal for a total of 4,452cyds of material that went off site for disposal.

15. On 2-6-01 Rhino had a tailgate safety meeting; the trucks started hauling clay from S & H Farms.

16. On 2-7-01 Rhino had a tailgate safety meeting; trucks hauling clay from S & H Farms and brought in a total 600cyds of clay (see soil proctor).

17. Rhino was down for a number of days due to bad weather. On 2-20-01 Rhino took the final samples for the pit and sent them to a third party lab for analysis (see lab analysis).

18. On 2-23-01 after Rhino had received and reviewed the lab analysis, showing that all of the concerns of the NMOCD had been addressed, backfilling of the pit was then started.

19. On 2-24-01 Rhino had completed the placement of the clay in the bottom of the pit.

20. On 2-25-01 Rhino had a tailgate safety meeting; trucks started hauling clean backfill and placing the fill in the excavation.

21. On 2-26-01 Rhino had a tailgate safety meeting; trucks hauling clean backfill and placing the fill in the excavation.

22. On 2-27-01 Rhino had a tailgate safety meeting; trucks hauling clean backfill and placing the fill in the excavation.

23. On 2-28-01 Rhino had a tailgate safety meeting; trucks hauling clean backfill and placing the fill in the excavation.

24. On 3-1-01 Rhino had a tailgate safety meeting; trucks hauling clean backfill and placing the fill in the excavation. The site was backfilled up to 1' from surface. At this point the site was backfilled with clean caliche.

25. On 3-2-01 Rhino had a tailgate safety meeting; trucks hauling clean backfill and placing the fill in the excavation. The site was backfilled back to grade and dressed off with a slight crown to prevent the ponding of water. At this point the pit closure operation were complete and the project shut down.

The new leak detection was installed after the site had a week or so to settle from rains. This was completed by digging a ditch 10' in depth along the south side of the cement pad and placing 2" PVC pipe with a riser back to surface allowing the ability to monitor the site for future leaks.

On-Site Analysis

RHINO
Environmental Services, Inc.
P.O. Box 25547 • Albuquerque, New Mexico 87125
Phone (505) 247-4646 • Fax (505) 797-4874

SOIL ANALYSIS REPORT

Date: 2-20-01
Client: Two State Tank Rental
Supervisor: Allen Hodge
Sample Matrix: Soil

Facility: Two State Hobbs Yard
Test Method: EPA 418.1
Order No. C. A. Slater
Sample Received: Intact on site

	TPH		Depth	Location
SAMPLE NO. 1:	845	PPM	16'	Composite of pit Bottom
SAMPLE NO. 2:	265	PPM	8'-10'	Composite of pit Walls
SAMPLE NO. 3:		PPM		
SAMPLE NO. 4:		PPM		
SAMPLE NO. 5:		PPM		
SAMPLE NO. 6:		PPM		
SAMPLE NO. 7:		PPM		
SAMPLE NO. 8:		PPM		
SAMPLE NO. 9:		PPM		
SAMPLE NO. 10:		PPM		

COMMENTS: These samples were taken to confirm the TPH levels that were left in the pit. These samples were also to confirm that all of the concerns of the OCD had been addressed for site closure.

Lab Analysis

ANACHEM INC.

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

January 26, 2001

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

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

Work Order: 0101299
Project: Two State Pit Closure

Dear Client:

Anachem, Inc. received 1 sample on 01/23/2001 for the analyses presented in the following report.

The samples were analyzed for the following tests:

- Corrosivity (EPA 9040)
- Ignitability - Solid
- Reactivity (Full)
- TCLP Herbicides-SOIL
- TCLP Microwave Digestion (EPA 3015)
- TCLP Pesticides-SOIL
- TCLP RCRA Metals (EPA 6010)
  - Arsenic
  - Barium
  - Cadmium
  - Chromium
  - Lead
  - Mercury
  - Selenium
  - Silver
- TCLP Sample Prep (Metals)
- TCLP Sample Prep (Organics)
- TCLP Semivolatiles-SOIL
- TCLP Volatiles - Solid

ANACHEM INC.

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

January 26, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure
TCLP ZHE (Volatile Extraction)

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

Analyses	Result	Limit	Units	Date Analyzed
Lab ID: 0101299-01A				
Client Sample ID: Composite of Excavated Impacte		**Collection Date:**	1/22/01	
Location: Hobbs Yard, Hobbs, NM		**Matrix:**	SOIL	
0101299-01A **CORROSIVITY (EPA 9040)**			**Prep Date:**	**Analyst:** SD
BatchID: R9274				
pH	7	0.005	pH Units	1/23/01
0101299-01A **IGNITABILITY - SOLID**			**Prep Date:**	**Analyst:** SD
BatchID: R9275				
Ignitability	ND	1	°F	1/23/01
FLASH POINT = >150F				
0101299-01A **REACTIVITY (FULL)**			**Prep Date:**	**Analyst:** SD
BatchID: R9292				
Cyanide, Reactive	ND	0.1	mg/Kg	1/23/01
Reactivity to Acid	ND	0	mg/Kg	1/23/01
Reactivity to Air	ND	0	mg/Kg	1/23/01
Reactivity to Alkali	ND	0	mg/Kg	1/23/01
Reactivity to Water	ND	0	mg/Kg	1/23/01
Sulfide, Reactive	**200**	0.3	mg/Kg	1/23/01
0101299-01A **TCLP HERBICIDES-SOIL**			**Prep Date:** 1/24/01	**Analyst:** HH
BatchID: R9311				
2,4,5-TP (Silvex)	ND	0.0005	mg/L	1/24/01
2,4-D	ND	0.005	mg/L	1/24/01
0101299-01A **TCLP RCRA METALS (EPA 6010)**			**Prep Date:** 1/24/01 10:26:05	**Analyst:** BMC
BatchID: 9291				
Arsenic	ND	0.025	mg/L	1/24/01
Barium	**4.54**	0.003	mg/L	1/24/01
Cadmium	ND	0.003	mg/L	1/24/01
Chromium	ND	0.003	mg/L	1/24/01
Lead	ND	0.037	mg/L	1/24/01
Mercury	**0.017**	0.009	mg/L	1/24/01
Selenium	**0.042**	0.037	mg/L	1/24/01
Silver	ND	0.025	mg/L	1/24/01
0101299-01A **TCLP PESTICIDES-SOIL**			**Prep Date:** 1/25/01	**Analyst:** HH
BatchID: R9334				
Chlordane	ND	0.005	mg/L	1/25/01
Endrin	ND	0.005	mg/L	1/25/01
gamma-BHC	ND	0.005	mg/L	1/25/01
Heptachlor	ND	0.005	mg/L	1/25/01
Heptachlor epoxide	ND	0.005	mg/L	1/25/01
Methoxychlor	ND	0.005	mg/L	1/25/01
Toxaphene	ND	0.005	mg/L	1/25/01

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

Analyses	Result	Limit	Units	Date Analyzed
0101299-01A TCLP SEMIVOLATILES-SOIL			**Prep Date:** 1/24/01	**Analyst:** HH
BatchID: R9320				
2,4,5-Trichlorophenol	ND	0.1	mg/L	1/24/01
2,4,6-Trichlorophenol	ND	0.1	mg/L	1/24/01
2,4-Dinitrotoluene	ND	0.1	mg/L	1/24/01
Cresols, Total	ND	1	mg/L	1/24/01
Hexachlorobenzene	ND	0.1	mg/L	1/24/01
Hexachlorobutadiene	ND	0.1	mg/L	1/24/01
Hexachloroethane	ND	0.1	mg/L	1/24/01
Nitrobenzene	ND	0.1	mg/L	1/24/01
Pentachlorophenol	ND	0.1	mg/L	1/24/01
Pyridine	ND	0.1	mg/L	1/24/01
0101299-01A TCLP VOLATILES - SOLID			**Prep Date:**	**Analyst:** MC
BatchID: R9298				
1,1-Dichloroethene	ND	0.1	mg/L	1/24/01
1,2-Dichloroethane	ND	0.1	mg/L	1/24/01
1,4-Dichlorobenzene	ND	0.1	mg/L	1/24/01
2-Butanone	ND	0.1	mg/L	1/24/01
Benzene	**0.12**	0.1	mg/L	1/24/01
Carbon tetrachloride	ND	0.1	mg/L	1/24/01
Chlorobenzene	ND	0.1	mg/L	1/24/01
Chloroform	ND	0.1	mg/L	1/24/01
Tetrachloroethene	ND	0.1	mg/L	1/24/01
Trichloroethene	ND	0.1	mg/L	1/24/01
Vinyl chloride	ND	0.1	mg/L	1/24/01

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

QC SUMMARY REPORT

ICP Metals (EPA 200.7)

BatchID: 9291 **Units:** mg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	5	112.0%	105.8%	75%	125%	5.7%	15
Barium	5	110.7%	103.7%	75%	125%	6.5%	15
Cadmium	5	110.7%	102.7%	75%	125%	7.5%	15
Chromium	5	110.5%	103.1%	75%	125%	6.9%	15
Copper	5	109.8%	102.2%	75%	125%	7.1%	15
Lead	5	110.8%	104.2%	75%	125%	6.2%	15
Mercury	5	113.1%	106.5%	75%	125%	0.0%	15
Molybdenum	5	111.7%	105.1%	75%	125%	6.1%	15
Nickel	5	112.0%	104.2%	75%	125%	7.2%	15
Selenium	5	112.4%	105.8%	75%	125%	6.1%	15
Silver	5	110.9%	103.5%	75%	125%	6.9%	15
Zinc	5	113.5%	105.7%	75%	125%	7.1%	15

Reactivity (Full)

BatchID: R9292 **Units:** mg/Kg **Analysis Date:** 1/23/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2	94.2%	106.2%	50%	150%	12.0%	15
Sulfide, Reactive	1000	80.0%	60.0%	50%	150%	28.6%	15

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

QC SUMMARY REPORT

Volatiles by EPA 8260 - Aqueous

BatchID: R9298 **Units:** µg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	105.2%	96.5%	20%	234%	8.6%	25
Benzene	20	116.9%	119.5%	37%	151%	2.2%	25
Chlorobenzene	20	100.4%	91.6%	37%	160%	9.2%	25
Toluene	20	107.3%	107.9%	47%	150%	0.6%	25
Trichloroethene	20	101.7%	100.1%	71%	157%	1.6%	25

TCLP Herbicides-SOIL

BatchID: R9311 **Units:** mg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2,4,5-TP (Silvex)	0.1	116.0%	122.0%	8%	170%	5.0%	35
2,4-D	0.1	118.0%	122.0%	8%	170%	3.3%	35

Base Neutral & Acids Extractables by EPA 625

BatchID: R9320 **Units:** µg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2-Chlorophenol	100000	115.8%	107.5%	23%	145%	7.4%	31
Acenaphthene	50000	89.0%	89.1%	47%	145%	0.1%	31
Phenol	100000	101.6%	90.9%	10%	120%	11.1%	42
Pyrene	50000	87.5%	76.3%	52%	125%	13.7%	31

Organochlorine Pesticides/PCB by EPA 608-Aqueous

BatchID: R9334 **Units:** µg/L **Analysis Date:** 1/25/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
4,4´-DDD	200	99.7%	100.8%	31%	141%	1.1%	35
4,4´-DDT	200	105.5%	106.4%	25%	160%	0.9%	35
Endosulfan sulfate	200	100.2%	100.0%	26%	144%	0.2%	35
Endrin	200	95.8%	96.8%	30%	147%	1.1%	35
Heptachlor	200	87.1%	88.0%	33%	135%	1.1%	35

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge	Bill To: (Buyer) Rhino
Company: RHINO ENV. SERV, INC	Purchase Order #: TWO STATE
Address: 4007 Covington HWY	Address: PO Box 57180
City, State, Zip: Hobbs, NM 88240	City, State, Zip: Alb., NM 87187-7180
Phone: 392-4498 Fax: 392-9376	Phone: 800-762-0241 Fax: 797-4874

Project Name: TWO STATE PIT CLOSURE Quote #:

Project Location: Hobbs YARD City, State: Hobbs, NM

Date Due: ASAP Rush: 0% 25% 50% (100%) Sampled By: ALLEN Hodge

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: FULL TCLP	TCLP & METALS	RCI
010299-01	1. COMPOSITE OF EXCAVATED	SOIL	12201/1200	ICE	X	X	X
	2. IMPACTED SOIL	"					
	3.						
	4. (NOTE) TWO JARS ARE SAME						
	5. SAMPLE						
	6.						
	7.						
	8.						
	9.						
	10.						

Relinquished By	Date	Time	Received By	Date	Time
[signature]	12201	1700	Lee Bowman	12/3/01	0945

Sample Receipt Notes
- Temperature 5°
- Preserved Properly
- COC Seals Intact
- Method of Shipment 2nd Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal___
Accept Returned Sample ___

Submission # 010299

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

ANACHEM INC.

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

February 23, 2001

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

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

Work Order: 0102352
Project: Two State Old Pit

Dear Client:

Anachem, Inc. received 2 samples on 02/21/2001 for the analyses presented in the following report.

The samples were analyzed for the following tests:

BTEX by EPA 8021 - Solid
Ion Chromatograph Solid (EPA 300.0)
Chloride
TPH DRO by Mod. EPA 8015 - Solid
TPH GRO by Mod. EPA 8015 - Solid

ANACHEM INC.

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

February 23, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
Work Order: 0102352
Project: Two State Old Pit

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: *23-Feb-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0102352
Project: Two State Old Pit

Analyses	Result	Limit	Units	Date Analyzed
Lab ID: 0102352-01A				
Client Sample ID: Composite Pit Bottom @ 17ft		**Collection Date:**	2/20/01	
Location: Hobbs Yard, Hobbs, NM		**Matrix:**	SOIL	
0102352-01A **BTEX BY EPA 8021 - SOLID**			**Prep Date:**	**Analyst:** AT
BatchID: R9767				
Benzene	ND	0.4	mg/Kg	2/21/01
Toluene	ND	0.5	mg/Kg	2/21/01
Ethylbenzene	ND	0.5	mg/Kg	2/21/01
Xylenes, Total	ND	0.5	mg/Kg	2/21/01
0102352-01A **ION CHROMATOGRAPH SOLID (EPA 300.0)**			**Prep Date:**	**Analyst:** SD
BatchID: R9810				
Chloride	**1710**	0.01	mg/Kg	2/22/01
0102352-01A **TPH DRO BY MOD. EPA 8015 - SOLID**			**Prep Date:** 2/21/01	**Analyst:** HH
BatchID: R9774				
Diesel Range Organics	**800**	5	mg/Kg	2/21/01
0102352-01A **TPH GRO BY MOD. EPA 8015 - SOLID**			**Prep Date:**	**Analyst:** AT
BatchID: R9767				
Gasoline Range Organics	ND	1	mg/Kg	2/21/01
Lab ID: 0102352-02A				
Client Sample ID: Composite of Side Walls		**Collection Date:**	2/20/01	
Location: Hobbs Yard, Hobbs, NM		**Matrix:**	SOIL	
0102352-02A **BTEX BY EPA 8021 - SOLID**			**Prep Date:**	**Analyst:** AT
BatchID: R9767				
Benzene	ND	0.4	mg/Kg	2/21/01
Toluene	ND	0.5	mg/Kg	2/21/01
Ethylbenzene	ND	0.5	mg/Kg	2/21/01
Xylenes, Total	ND	0.5	mg/Kg	2/21/01
0102352-02A **ION CHROMATOGRAPH SOLID (EPA 300.0)**			**Prep Date:**	**Analyst:** SD
BatchID: R9810				
Chloride	**2200**	0.01	mg/Kg	2/22/01
0102352-02A **TPH DRO BY MOD. EPA 8015 - SOLID**			**Prep Date:** 2/21/01	**Analyst:** HH
BatchID: R9774				
Diesel Range Organics	**280**	5	mg/Kg	2/21/01
0102352-02A **TPH GRO BY MOD. EPA 8015 - SOLID**			**Prep Date:**	**Analyst:** AT
BatchID: R9767				
Gasoline Range Organics	ND	1	mg/Kg	2/21/01

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *23-Feb-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0102352
Project: Two State Old Pit

QC SUMMARY REPORT

BTEX by EPA 8021 - Solid

BatchID: R9767 **Units:** mg/Kg **Analysis Date:** 2/21/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	100	87.7%	90.7%	70%	130%	3.4%	30
Toluene	100	90.0%	93.0%	70%	130%	3.3%	30
Ethylbenzene	100	90.7%	94.7%	70%	130%	4.3%	30
Xylenes, Total	300	94.7%	98.0%	70%	130%	3.5%	30

TPH DRO by Mod. EPA 8015 - Solid

BatchID: R9774 **Units:** mg/Kg **Analysis Date:** 2/21/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics	500	115.6%	117.2%	20%	150%	1.4%	30

Ion Chromatograph Solid (EPA 300.0)

BatchID: R9810 **Units:** mg/Kg **Analysis Date:** 2/22/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Chloride	0.625	109.3%	94.4%	80%	120%	14.6%	15

Purchase Order/Chain Of Custody

Page ___ of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge	Bill To: (Buyer) SAME
Company: RHINO ENV. SERV. INC	Purchase Order #:
Address: 4007 LOVINGTON HWY	Address: PO BOX 57180
City, State, Zip: Hobbs, NM 88240	City, State, Zip: ALBQ, NM 87187-7180
Phone: 392-4498 Fax: 392-9376	Phone: 800-762-0241 Fax: 797-4874
Project Name: TWO STATE OLD PIT	Quote #:
Project Location: Hobbs YARD	City, State: Hobbs NM
Date Due: ASAP Rush: 0% 25% 50% (100%)	Sampled By: ALLEN Hodge

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: GRO	TPH 8015 DRO	BTEX	SL Chlorides
0102352-01	1. Composite Pit BOTTOM @ 17'	Soil	22001/1500	Ice		X	X	X
-02	2. Composite of Side walls	Soil	22001/1530	Ice		X	X	X
	3.							
	4.							
	5.							
	6.							
	7.							
	8.							
	9.							
	10.							

Relinquished By	Date	Time	Received By	Date	Time
[signature]	22001	1700	[signature]	7/16/01	9:40

Sample Receipt Notes
Temperature 6°
Preserved Properly
COC Seals Intact
Method of Shipment Fed Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal ____
Accept Returned Sample ____

Submission # 0102352

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

Purchase Order/Chain Of Custody

Page___of___.

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Phone: 505 392-4498 Fax: 392-9376	Phone: 800-762-0241 Fax: 797-4874

Project Name: TWO STATE OLD PIT Quote #:

Project Location: Hobbs YARD City, State: Hobbs NM

Date Due: ASAP Rush: 0% 25% 50% (100%) Sampled By: ALLEN Hodge

Analysis: TPH 8015 / BTEX / CL (Headspace)

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes
0102352-01	1. Composite Pit Bottom @ 17'	soil	22001/1500	ICE
-02	2. Composite of Side Walls	soil	22001/1530	ICE
	3.			
	4.			
	5.			
	6.			
	7.			
	8.			
	9.			
	10.			

Relinquished By	Date	Time	Received By	Date	Time
[signature]	22001	1700	[signature]	2/26/01	9:40

Sample Receipt Notes
Temperature 6°
Preserved Properly
COC Seals Intact
Method of Shipment Fed Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 0102352

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

LABORATORY TEST REPORTS

PETTIGREW and ASSOCIATES

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

DEBRA P. HICKS, P.E.
WILLIAM M. HICKS, III, P.E.

TO: Helms Roofing
PO Box 1606
Hobbs, NM 88240

DATE OF TEST: July 8, 1999

SOILS DESCRIPTION: Brown Clay

PROJECT: Cattle Co. Feedlot

LOCATION: S&H Farms

SPECIMEN PREPARATION: Remolded to approximately 95% of maximum dry density at optimum moisture content according to ASTM D 698.

SPECIMEN DATA

Initial Diameter: 2 ½"

Initial Area 32.18 cm^2

Initial Height: 1"

Initial Dry Unit Weight: 102.5 pcf

Initial Moisture Content: 14.2%

Cell Pressure: 8 psi

Head Pressure: 6 psi

Back Pressure: 4.5 psi

Corrected Hydraulic Conductivity, K_{20} (cm/sec)

Average Hydraulic Conductivity, $k = 1.21 \times 10^{-6}$ cm/sec

This test was performed in general accordance with ASTM D 5084 "Standard Test Method for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter", and Corp of Engineers Manual EM 1110-2-1906, Appendix VII, "Permeability Tests".

Lab No.: 9H-10889

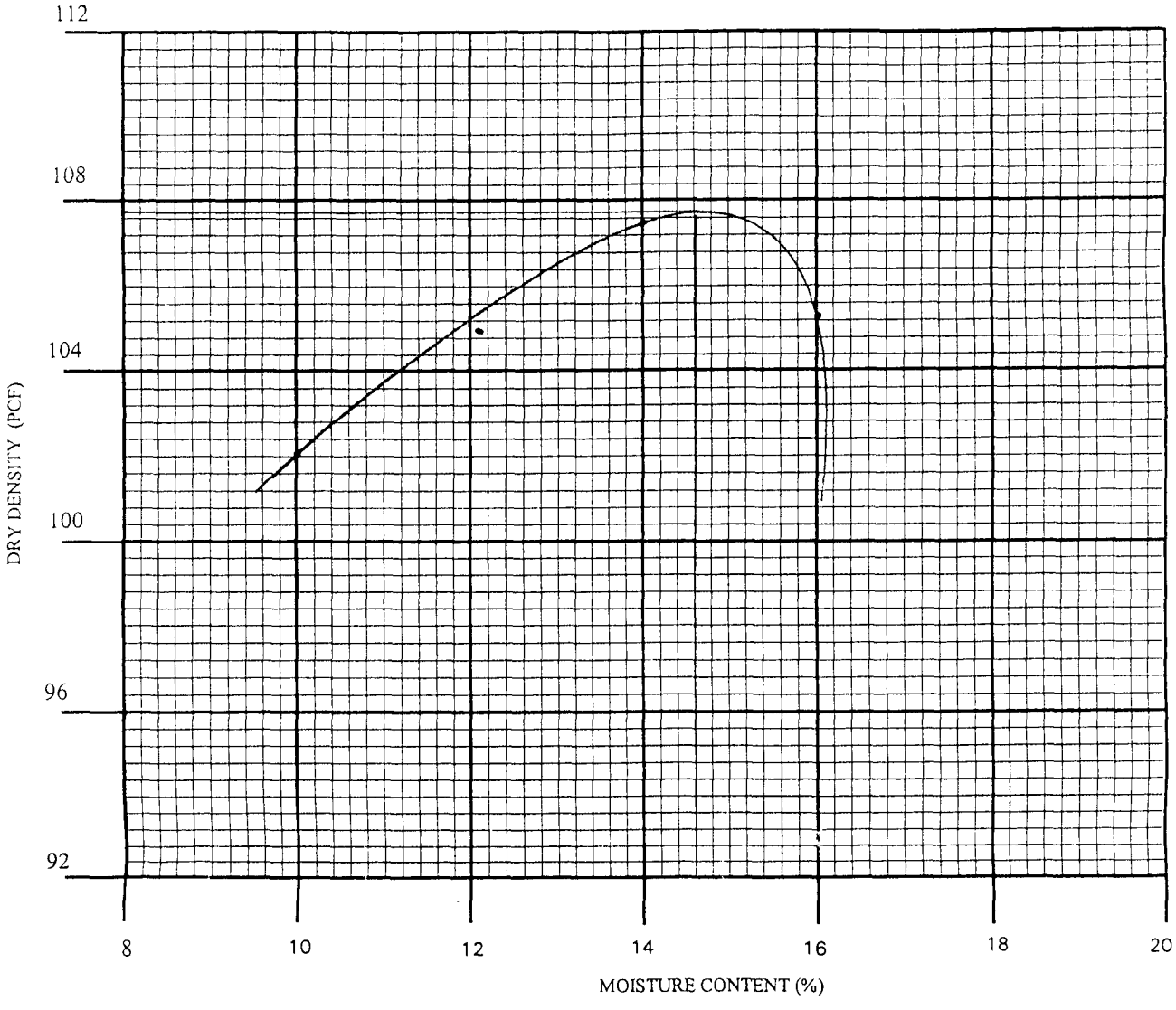
PETTIGREW and ASSOCIATES, P.A.

Copies To: Helms

BY: Jeremy Baber E.I.

PETTIGREW and ASSOCIATES

CONSULTING ENGINEERS



CLIENT: Helms Roofing PROJECT: Cattle Co. Feedlot

SAMPLE LOCATION: S&H Farms

SOIL DESCRIPTION: Brown Clay

SOIL CLASSIFICATION: _____ TEST METHOD: ASTM D 698 Delivered 7/06/1999

DATE: July 8, 1999 LAB NO. 9H-10150 ATTERBERG: LL_____ % PI _____

DRY WEIGHT LB/CU.FT. 107.7 MOISTURE CONTENT %: 14.6

SIEVE ANALYSIS - % PASSING									

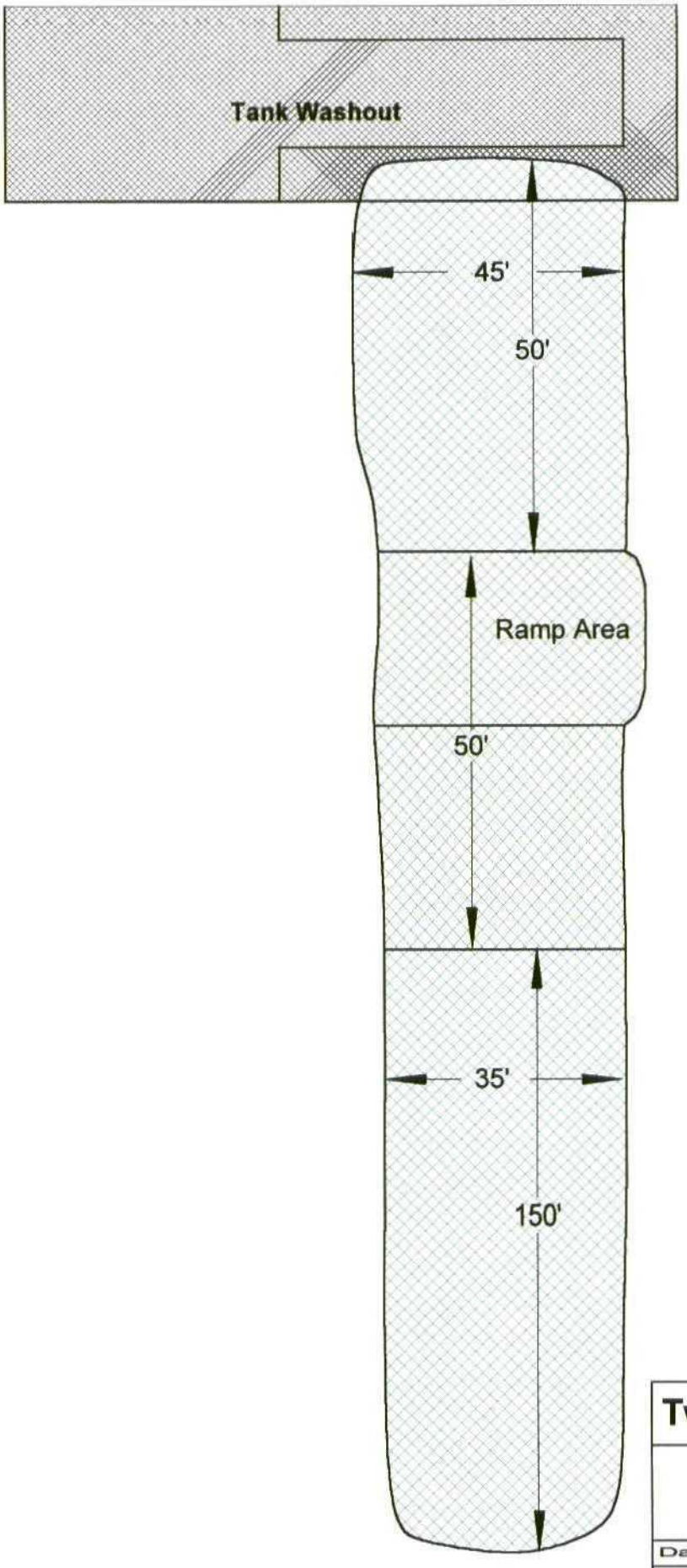
C:\FORMS\PETFRMS\LABTESTS\PROCTFIL.FRM

COPIES: Helms

PETTIGREW and ASSOCIATES

BY: _____ S.E.T.

Site Map



Two-State Equipment, Inc.	
Tank Washout Overflow	
Date: 2-23-01	Drawn By MFG
Scale: 1" = 300'	Job#

Job/Site Photos

Beginning Site Photos

In Progress Site Photos

In Progress Site Photos

In Progress Site Photos

In Progress Site Photos

In Progress Site Photos

In Progress Site Photos

Final Site Photos