PGRL1002250919
2398

SITE INFORMATION

Report Type: CLOSURE REPORT

General Site Information:		
Site:	Rhino #1 Tank Battery	
Company:	COG Operating LLC	
Section, Township and Range	Unit D - Sec 35 - T-17S - R-32E	
Lease Number:	30-025-36605	
County:	Lea County	
GPS:	32.78976° N	103.74474° W
Surface Owner:	Federal	
Mineral Owner:		
Directions:	From intersection of 529 and CR-126, site is located 1.0 mile east on 529 (north side of 529).	

Release Data:	
Date Released:	12/31/2009
Type Release:	Produced Water
Source of Contamination:	Water main line
Fluid Released:	400 bbls
Fluids Recovered:	260 bbls

Official Communication:			
Name:	Pat Ellis		Kim Dorey
Company:	COG Operating, LLC		Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		(432) 631-0348
Fax:	(432) 684-7137		
Email:	pellis@conchoresources.com		kim.dorey@tetratech.com

Ranking Criteria		
Depth to Groundwater:	Ranking Score	Site Data
<50 ft	20	
50-99 ft	10	
>100 ft.	0	
WellHead Protection:	Ranking Score	Site Data
Water Source <1,000 ft., Private <200 ft.	20	
Water Source >1,000 ft., Private >200 ft.	0	0
Surface Body of Water:	Ranking Score	Site Data
<200 ft.	20	
200 ft - 1,000 ft.	10	
>1,000 ft.	0	0
Total Ranking Score:	0	

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5,000

TETRA TECH

March 13, 2012

Mr. Geoffrey Leking
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Closure Report for the COG Operating LLC., Rhino #1 Tank Battery, Main Line Leak, Unit D, Section 35, Township 17 South, Range 32 East, Lea County, New Mexico.

Mr. Leking,

Tetra Tech Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Rhino Tank Battery, Main line leak located in Unit D, Section 35, Township 17 South, Range 32 East, Lea County, New Mexico (Site). The spill site coordinates are N 32.78976°, W 103.74474°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on December 31, 2009. The leak occurred from a main water line located approximately 200 yards south of the Rhino #1 Tank Battery. Approximately 400 barrels of produced water was released from a tee that had parted from the produced water mainline coming from the Rhino Tank Battery. The spill did not have pooling areas, instead had multiple fingers that covered an area of approximately 75'x 1,000'. Vacuum trucks were utilized to recover 260 barrels of standing fluids. The initial C-141 is included in Appendix A.

Groundwater

No water wells were listed within Section 35. The groundwater research performed showed sparse groundwater data for the area. The New Mexico Office of the State Office Engineer Well data showed a well north of the site in Section 12, T17S, R32E, with a depth to groundwater of 120'. Several wells were located in T17S, R33E, with the closest well in Section 30 reporting a depth to

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groundwater of approximately 69' below surface. In addition, one well in Section 4, T18S, R32E had a reported depth to water of 65' below surface. According to the NMOCD depth to groundwater map, groundwater in the area appears to be less than 100' below surface. Based on the reported groundwater depth, Tetra Tech proposed a temporary well to establish depth to water in the area.

On March 16, 2011, the temporary well was installed to a total depth of 130' below surface. The well was gauged on March 23, 2011 and found no measurable groundwater in the well. Based on the temporary well, it appears groundwater is greater than 130' below surface. The groundwater data and well logs are enclosed in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment and Results

Auger Holes

On March 7, 2010, Tetra Tech personnel inspected the spill area. The spill migrated approximately 1000' east of the release. The spill migrated along the COG pipeline right-of-way and south into the pasture. The width of the spill ranged from 5' to 10', with some fingers.

A total of twelve (12) auger holes (AH-1 through AH-12) were installed using a stainless steel hand auger to assess the impacted soils. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. The auger hole locations are shown on Figure 3. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1.

Referring to Table 1, AH-3 and AH-4 exceeded the TPH and BTEX RRAL at 0-1', however, the deeper samples at 1-1.5' declined below the RRAL.

Elevated chloride concentrations were detected in all of the auger holes and chloride impact was not vertically defined.

Soil Borings

On August 5, 2010, Tetra Tech personnel supervised the installation of sixteen (16) soil borings (SB-1 through SB-16) utilizing an air rotary rig to define the vertical extents of the chloride impact. Some of the borings were installed in the vicinity of the previous auger holes. Soil boring (SB-2) was drilled near the south fence line to assess the impact area (approximately 10' x 75') outside the fence line located in the bar ditch. The soil borings were extended to a maximum depth of 10 to 60 feet bgs, with samples collected at 2 to 3 foot intervals for the first 10 feet and 5 foot intervals to 20' and 10' intervals thereafter. The samples were submitted to the laboratory for analysis of chlorides. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The soil boring locations are shown on Figure 3.

Referring to Table 2, analytical results indicate the maximum extent of chloride impact greater than 1,000 mg/kg extended from 7' to 15' (SB-3, SB-4, SB-6, SB-8, SB-9, SB-10 and SB-13) and 20' (SB-1, SB-7 and SB-11). The deepest impact was found at (SB-2, SB-5, SB-10 and SB-14), which extended down to 30' to 40' below surface. All samples had chloride concentrations that decreased with depth. A shallow hydrocarbon impact was encountered at SB-2, SB-6, SB-8, SB-9, SB-10, SB-11 and SB-12. Several of the soil boring samples exceeded the TPH RRAL at 0-1' and declined below the RRAL at 3.0' below surface.

Based on the soil boring data, Figures 5 and 6 (Cross-Sections A-A' and B-B') were developed to evaluate distribution of the chloride impact in the subsurface soils.

Remedial Work and Closure Request

On April 5, 2011, Tetra Tech and COG met with Geoffrey Leking with NMOCD to discuss and review the results of the investigation. Based on groundwater depth and results, Mr. Leking approved the removal of 5.0' of the impacted soil and capping the excavation with a 40 mil liner.

Tetra Tech personnel supervised the excavation of the site in July, 2011. The excavation depth and liner installation are highlighted in Table 1 and shown on Figures 5 and 6 (Cross-Sections A-A' and B-B'). During the excavation, Tetra Tech field screen the soil (chlorides) to capture the spill foot print (horizontal extents) of the spill. In the areas at or near the SWD line, the line

TETRA TECH

was exposed to remove the impacted soil on top of the line and it is proposed to excavate the soils under the line to the appropriate depths. With approval of New Mexico Department of Transportation, the area (10' x 75') outside the fence line was also be excavated to the appropriate depths.

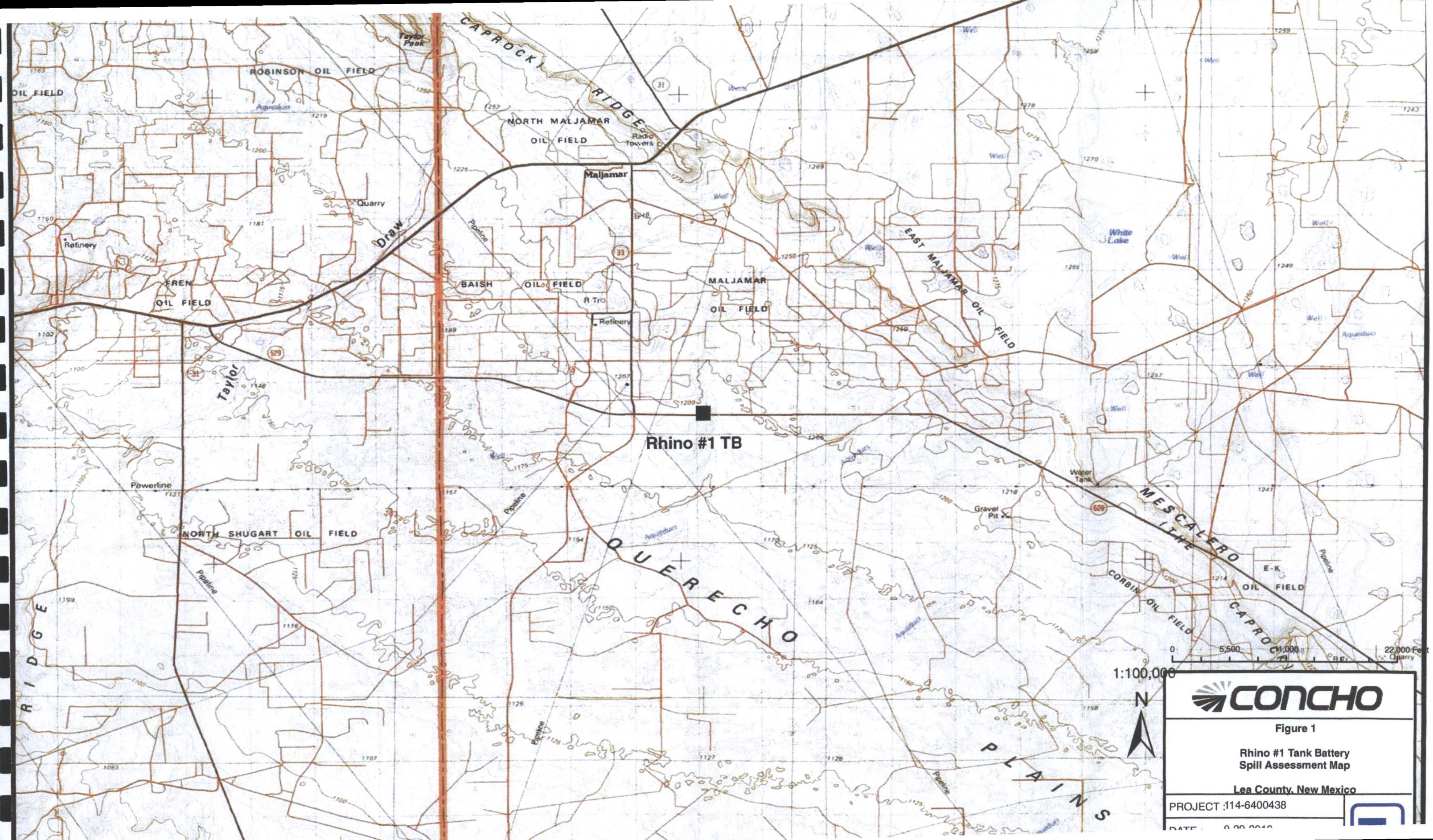
Once completed, the liner (40 mil) was installed at a depth of 5.0' below surface and the excavation backfilled with clean soil to grade. The final depths of the soil remediation for the entire spill met or exceeded the depths of the approved work plan. Approximately 11,000 yards^3 were removed and hauled to CRI Inc. for proper disposal. Photos of the excavation are attached.

If you require any additional information or have any questions or comments concerning this report, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez, P.G.
Senior Project Manager

cc: Pat Ellis – COG
Paul Evans - BLM
Jim Amos - BLM



CONCHO

Figure 1

Rhino #1 Tank Battery
Spill Assessment Map

Lea County, New Mexico

PROJECT :114-6400438

DATE :

Rhino #1 TB

T17S
T18S

1:24,000

0 1,350 2,700 5,400 Feet

N

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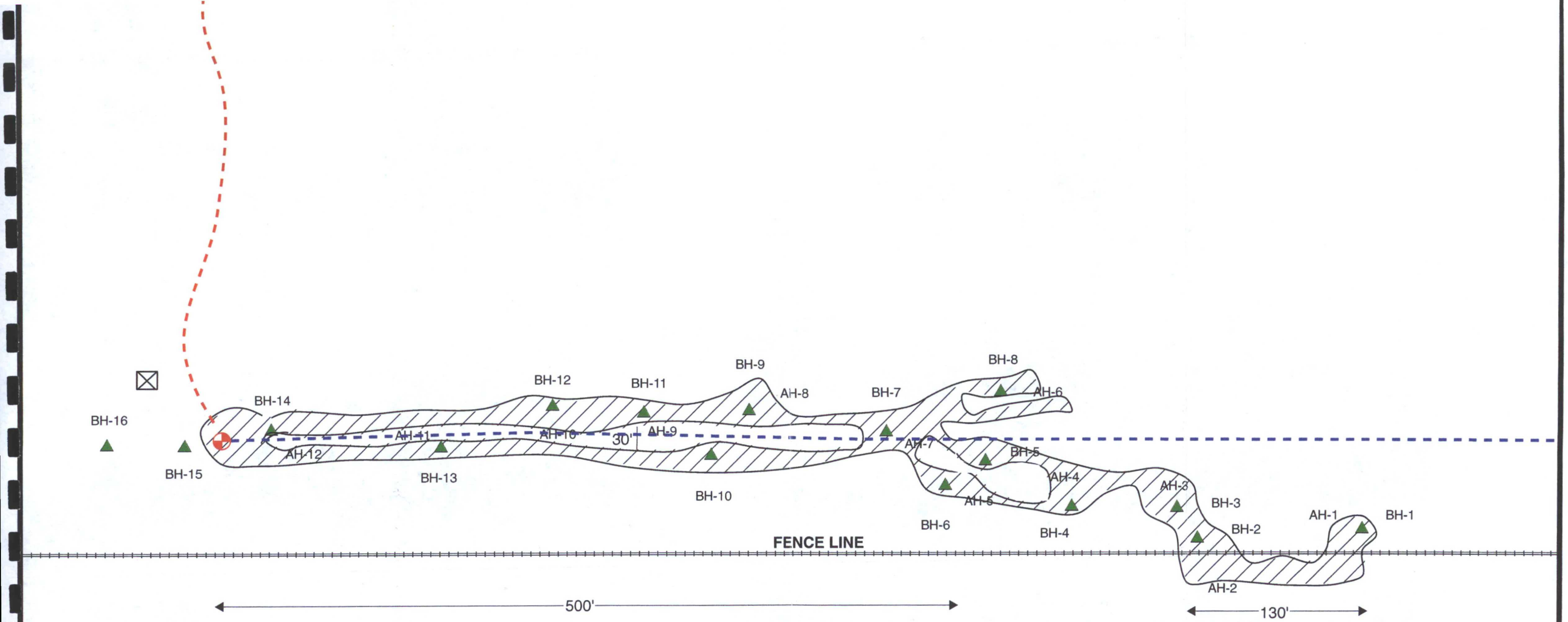
Figure 2

Rhino #1 Tank Battery
Spill Assessment Map

Lea County, New Mexico

PROJECT : 114-6400438

DATE : 9-29-2010



EXPLANATION

- Flow Line
- COG Water Line
- Soil Borings
- Temporary Monitor Well
- Auger Hole
- Leak Source

1:1,000

0 55 110 220 Feet

N

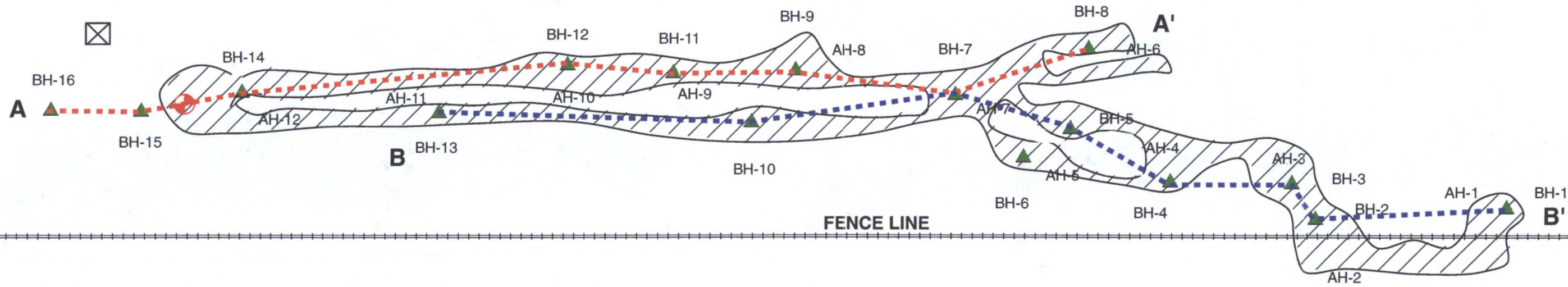
CONCHO

Figure 3
Rhino #1 Tank Battery
Spill Assessment Map

Lea County, New Mexico

PROJECT : 114-6400438

DATE : 10-5-2010



EXPLANATION

- A To A'
- B To B'
- Soil Borings
- Temporary Monitor Well
- Auger Hole
- Leak Source

0 55 110 220 Fee

1:1,000

N

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Figure 4
Rhino #1 Tank Battery
Cross Section Reference Map

Lea County, New Mexico

PROJECT : 114-6400438

DATE : 10-5-2010

5' Excavation Depth and Liner Installation

BH-16 BH-15 BH-14 BH-12 BH-11 BH-9 BH-7 BH-8

A A'

	BH-16	BH-15	BH-14	BH-12	BH-11	BH-9	BH-7	BH-8
5'	<200	<200	<200	336	<200	204	<200	<200
			452	<200	<200	<200	345	1030
			<200	117	899	<200	12400	1840
10'	<200	1030	16100	16200	2340	14200	10800	12800
			14400	13000	6880	10300	5360	6830
15'	<200	<200	13800	1310	3260	6300	5360	<200
20'	<200	<200	13400	781	4750	<200	4930	731
25'			8940	225	326	<200	<200	214
30'			4580	<200	221		496	245
35'								
40'			<200		257		277	
45'								
50'					<200		332	

DEPTH IN FEET

CHLORIDE CONCENTRATIONS IN mg/Kg

EXPLANATION

- Chlorides < 1,000
- Chlorides 1,000-5,000
- Chlorides 5,000-10,000
- Chlorides 10,000+
- Excavation Depth
- Liner Installation

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Figure 5
Rhino #1 Tank Battery
A to A' Analytical Cross Section

Lea County, New Mexico

PROJECT : 114-6400438

DATE : 04-07-2011

5' Excavation Depth and Liner Installation

B

B'

BH-7 BH-6 BH-5 BH-4 BH-3 BH-2 BH-1

	BH-7	BH-6	BH-5	BH-4	BH-3	BH-2	BH-1
5'	378 347 8320	<200 <200 2370	<200 345 12,400	4660 1360 19700	1070 2470 7010	214 <200 567	561 508 390	264 378 13700
10'	11100 2150	4710	10800 5360	9530 9870	9280 17100	5180 562	14200 12700	13700 5340
15'	<200	23200	5660	3960	7570	413	8470	4430
20'	<200	11700	4930	1080	394	945	7190	7010
25'		8830	<200	1600	324	463	1080	
30'		6820	496	1170		612	1620	447
35'		1470						
40'		<200	277	476		304	390	<200
45'				<200				
50'		<200	332			304	276	412
55'								
60'							418	

DEPTH IN FEET

CHLORIDE CONCENTRATIONS IN mg/Kg

EXPLANATION

- Chlorides < 1,000
- Chlorides 1,000-5,000
- Chlorides 5,000-10,000
- Chlorides 10,000 +
- Excavation Depth
- Liner Installation

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Figure 6
Rhino #1 Tank Battery
B to B' Analytical Cross Section

Lea County, New Mexico

PROJECT :114-6400438

DATE : 04-07-2011

Table 1
COG Operating LLC.
Rhino #1 Tank Battery
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-1	3/5/2010	0-1'			X	526	24	550	<0.0500	<0.0500	<0.0500	<0.0500	<200
	"	1-1.5'			X	-	-	-	-	-	-	-	<200
	"	2-2.5'			X	-	-	-	-	-	-	-	11,500
	"	3-3.5'			X	-	-	-	-	-	-	-	14,000
	"	4-4.5'			X	-	-	-	-	-	-	-	12,200
AH-2	3/5/2010	0-1'			X	708	154	862	<0.0500	<0.0500	<0.0500	0.337	212
	"	1-1.5'			X	-	-	-	-	-	-	-	591
	"	2-2.5'			X	-	-	-	-	-	-	-	7,580
	"	2.5-3'			X	-	-	-	-	-	-	-	17,200
AH-3	3/5/2010	0-1'			X	2,480	2,420	4,900	1.7	17.7	13.4	47.2	546
	"	1-1.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	1,790
	"	2-2.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	5,480
	"	3-3.5'			X	-	-	-	-	-	-	-	5,700
	"	4-4.5'			X	-	-	-	-	-	-	-	5,940
	"	5-5.5'			X	-	-	-	-	-	-	-	13,200

Table 1
COG Operating LLC.
Rhino #1 Tank Battery
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-4	3/5/2010	0-1'			X	2,670	3,970	6,640	1.45	20.6	37.2	70.6	2,970
	"	1-1.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	8,880
	"	2-2.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	7,390
	"	3-3.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	6,880
	"	4-4.5'			X	-	-	-	-	-	-	-	7,490
	"	5-5.5'			X	-	-	-	-	-	-	-	6,120
	"	6-6.5'		X		-	-	-	-	-	-	-	5,540
	"	7-7.5'		X		-	-	-	-	-	-	-	2,520
	"	8-8.5'		X		-	-	-	-	-	-	-	8,660
	"	9-9.5'		X		-	-	-	-	-	-	-	12,700
AH-5	3/5/2010	0-1'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<200
	"	1-1.5'			X	-	-	-	-	-	-	-	<200
	"	2-2.5'			X	-	-	-	-	-	-	-	9,770
	"	3-3.5'			X	-	-	-	-	-	-	-	21,800
	"	4-4.5'			X	-	-	-	-	-	-	-	17,800

Table 1
COG Operating LLC.
Rhino #1 Tank Battery
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-6	3/5/2010	0-1'			X	61	<1.00	61	<0.0100	<0.0100	<0.0100	<0.0100	<200
	"	1-1.5'			X	-	-	-	-	-	-	-	<200
	"	2-2.5'			X	-	-	-	-	-	-	-	1,490
	"	3-3.5'			X	-	-	-	-	-	-	-	11,200
	"	4-4.5'			X	-	-	-	-	-	-	-	13,200
	"	5-5.5'			X	-	-	-	-	-	-	-	8,950
AH-7	3/5/2010	0-1'			X	<50.0	<5.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<200
	"	1-1.5'			X	-	-	-	-	-	-	-	<200
	"	2-2.5'			X	-	-	-	-	-	-	-	<200
	"	3-3.5'			X	-	-	-	-	-	-	-	4,710
	"	4-4.5'			X	-	-	-	-	-	-	-	10,600
	"	5-5.5'			X	-	-	-	-	-	-	-	10,300
	"	6-6.5'		X		-	-	-	-	-	-	-	9,100
	"	7-7.5'		X		-	-	-	-	-	-	-	8,210
	"	8-8.5'		X		-	-	-	-	-	-	-	5,710
	"	8.5-9'		X		-	-	-	-	-	-	-	6,730

Table 1
COG Operating LLC.
Rhino #1 Tank Battery
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-8	3/5/2010	0-1'			X	2,060	1,430	3,490	<0.200	4.11	10.3	17.8	1,960
	"	1-1.5'			X	<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	3,110
	"	2-2.5'			X	-	-	-	-	-	-	-	3,560
	"	3-3.5'			X	-	-	-	-	-	-	-	4,250
	"	4-4.5'			X	-	-	-	-	-	-	-	8,020
	"	5-5.5'			X	-	-	-	-	-	-	-	11,000
	"	6-6.5'		X		-	-	-	-	-	-	-	12,400
	"	7-7.5'		X		-	-	-	-	-	-	-	12,000
	"	8-8.5'		X		-	-	-	-	-	-	-	<4.00
AH-9	3/5/2010	0-1'		X		868	255	1,123	<0.0500	<0.0500	0.146	1.09	<4.00
	"	1-1.5'		X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<4.00
	"	2-2.5'		X		-	-	-	-	-	-	-	<4.00
	"	3-3.5'		X		-	-	-	-	-	-	-	<4.00
	"	4-4.5'		X		-	-	-	-	-	-	-	<4.00
	"	5-5.5'		X		-	-	-	-	-	-	-	<4.00
	"	6-6.5'		X		-	-	-	-	-	-	-	<4.00
	"	7-7.5'		X		-	-	-	-	-	-	-	<4.00
	"	8-8.5'		X		-	-	-	-	-	-	-	<4.00
	"	9-9.5'		X		-	-	-	-	-	-	-	<4.00
AH-10	3/5/2010	0-1'		X		424	3	427	<0.0100	<0.0100	<0.0100	<0.0100	<4.00
	"	1-1.5'		X		-	-	-	-	-	-	-	<4.00
	"	2-2.5'		X		-	-	-	-	-	-	-	<4.00
	"	3-3.5'		X		-	-	-	-	-	-	-	<4.00
	"	4-4.5'		X		-	-	-	-	-	-	-	<4.00
	"	5-5.5'		X		-	-	-	-	-	-	-	<4.00
	"	6-6.5'		X		-	-	-	-	-	-	-	<4.00
	"	7-7.5'		X		-	-	-	-	-	-	-	<4.00

Table 1
COG Operating LLC.
Rhino #1 Tank Battery
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
AH-11	3/5/2010	0-1'		X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<4.00
	"	1-1.5'		X		-	-	-	-	-	-	-	<4.00
	"	2-2.5'		X		-	-	-	-	-	-	-	<4.00
	"	3-3.5'		X		-	-	-	-	-	-	-	<4.00
	"	4-4.5'		X		-	-	-	-	-	-	-	<4.00
	"	5-5.5'		X		-	-	-	-	-	-	-	<4.00
	"	6-6.5'		X		-	-	-	-	-	-	-	<4.00
AH-12	3/5/2010	0-1'		X		<50.0	<1.00	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<4.00
	"	1-1.5'		X		-	-	-	-	-	-	-	<4.00
	"	2-2.5'		X		-	-	-	-	-	-	-	<4.00
	"	3-3.5'		X		-	-	-	-	-	-	-	<4.00
	"	4-4.5'		X		-	-	-	-	-	-	-	<4.00
		5-5.5'		X		-	-	-	-	-	-	-	<4.00

Excavation Depth
Liner
BEB Below Excavation Bottom
(-) Not Analyzed

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-1	8/5/2010	1'			X	<2.00	<50.0	<50.0	-	-	-	-	264
	8/5/2010	3'			X	-	-	-	-	-	-	-	378
	8/5/2010	5'			X	-	-	-	-	-	-	-	13,700
	8/5/2010	7'		X		-	-	-	-	-	-	-	13,700
	8/5/2010	10'		X		-	-	-	-	-	-	-	5,340
	8/5/2010	15'		X		-	-	-	-	-	-	-	4,430
	8/5/2010	20'		X		-	-	-	-	-	-	-	7,010
	8/5/2010	30'		X		-	-	-	-	-	-	-	447
	8/5/2010	40'		X		-	-	-	-	-	-	-	<200
	8/5/2010	50'		X		-	-	-	-	-	-	-	412
SB-2	8/5/2010	1'			X	25.2	16,400	16,425.2	<0.200	<0.200	<0.200	<0.200	561
	8/5/2010	3'			X	<2.00	<50.00	<50.00	-	-	-	-	508
	8/5/2010	5'			X	-	-	-	-	-	-	-	390
	8/5/2010	7'		X		-	-	-	-	-	-	-	14,200
	8/5/2010	10'		X		-	-	-	-	-	-	-	12,700
	8/5/2010	15'		X		-	-	-	-	-	-	-	8,470
	8/5/2010	20'		X		-	-	-	-	-	-	-	7,190
	8/5/2010	25'		X		-	-	-	-	-	-	-	1,080
	8/5/2010	30'		X		-	-	-	-	-	-	-	1,620
	8/5/2010	40'		X		-	-	-	-	-	-	-	390
	8/5/2010	50'		X		-	-	-	-	-	-	-	276
	8/5/2010	60'		X		-	-	-	-	-	-	-	418

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-3	8/5/2010	1'			X	<2.00	<50.00	<50.00	-	-	-	-	214
	8/5/2010	3'			X	-	-	-	-	-	-	-	<200
	8/5/2010	5'			X	-	-	-	-	-	-	-	567
	8/5/2010	7'		X		-	-	-	-	-	-	-	5,180
	8/5/2010	10'		X		-	-	-	-	-	-	-	562
	8/5/2010	15'		X		-	-	-	-	-	-	-	413
	8/5/2010	20'		X		-	-	-	-	-	-	-	945
	8/5/2010	25'		X		-	-	-	-	-	-	-	463
	8/5/2010	30'		X		-	-	-	-	-	-	-	612
	8/5/2010	40'		X		-	-	-	-	-	-	-	304
	8/5/2010	50'		X		-	-	-	-	-	-	-	304
SB-4	8/6/2010	1'			X	<2.00	<50.0	<50.0	-	-	-	-	1,070
	8/6/2010	3'			X	-	-	-	-	-	-	-	2,470
	8/6/2010	5'			X	-	-	-	-	-	-	-	7,010
	8/6/2010	7'		X		-	-	-	-	-	-	-	9,280
	8/6/2010	10'		X		-	-	-	-	-	-	-	17,100
	8/6/2010	15'		X		-	-	-	-	-	-	-	7,570
	8/6/2010	20'		X		-	-	-	-	-	-	-	394
	8/6/2010	25'		X		-	-	-	-	-	-	-	324
SB-5	8/6/2010	1'			X	<2.00	124	124	<0.0200	<0.0200	<0.0200	<0.0200	4,660
	8/6/2010	3'			X	-	-	-	-	-	-	-	1,360
	8/6/2010	5'			X	-	-	-	-	-	-	-	19,700
	8/6/2010	7'		X		-	-	-	-	-	-	-	9,530
	8/6/2010	10'		X		-	-	-	-	-	-	-	9,870
	8/6/2010	15'		X		-	-	-	-	-	-	-	3,960
	8/6/2010	20'		X		-	-	-	-	-	-	-	1,080
	8/6/2010	25'		X		-	-	-	-	-	-	-	1,600
	8/6/2010	30'		X		-	-	-	-	-	-	-	1,170
	8/6/2010	40'		X		-	-	-	-	-	-	-	476
	8/6/2010	50'		X		-	-	-	-	-	-	-	<200

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-6	8/6/2010	1'			X	38.9	6,480	6,518.9	<0.200	<0.200	<0.200	<0.200	<200
	8/6/2010	3'			X	41.0	1,570	1,611	-	-	-	-	9,850
	8/6/2010	5'			X	-	-	-	-	-	-	-	15,800
	8/6/2010	7'		X		-	-	-	-	-	-	-	8,010
	8/6/2010	10'		X		-	-	-	-	-	-	-	1,380
	8/6/2010	15'		X		-	-	-	-	-	-	-	1,150
	8/6/2010	20'		X		-	-	-	-	-	-	-	573
	8/6/2010	25'		X		-	-	-	-	-	-	-	<200
SB-7	8/6/2010	1'			X	<2.00	213	213	<0.0200	<0.0200	<0.0200	<0.0200	<200
	8/6/2010	3'			X	-	-	-	-	-	-	-	345
	8/6/2010	5'			X	-	-	-	-	-	-	-	12,400
	8/6/2010	7'		X		-	-	-	-	-	-	-	10,800
	8/6/2010	10'		X		-	-	-	-	-	-	-	5,360
	8/6/2010	15'		X		-	-	-	-	-	-	-	5,660
	8/6/2010	20'		X		-	-	-	-	-	-	-	4,930
	8/6/2010	25'		X		-	-	-	-	-	-	-	<200
	8/6/2010	30'		X		-	-	-	-	-	-	-	496
	8/6/2010	40'		X		-	-	-	-	-	-	-	277
	8/6/2010	50'		X		-	-	-	-	-	-	-	332
SB-8	8/9/2010	1'			X	<100	7,360	7,360	<0.0200	<0.0200	<0.0200	<0.0200	<200
	8/9/2010	3'			X	17.0	487	504.00	-	-	-	-	1,030
	8/9/2010	5'			X	-	-	-	-	-	-	-	1,840
	8/9/2010	7'		X		-	-	-	-	-	-	-	12,800
	8/9/2010	10'		X		-	-	-	-	-	-	-	6,830
	8/9/2010	15'		X		-	-	-	-	-	-	-	<200
	8/9/2010	20'		X		-	-	-	-	-	-	-	731
	8/9/2010	25'		X		-	-	-	-	-	-	-	214
	8/9/2010	30'		X		-	-	-	-	-	-	-	245

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-9	8/9/2010	1'			X	507	5,170	5,677	<0.400	<0.400	0.554	1.42	204
	8/9/2010	3'			X	3.31	68.1	71.41	-	-	-	-	<200
	8/9/2010	5'			X	-	-	-	-	-	-	-	<200
	8/9/2010	7'		X		-	-	-	-	-	-	-	14,200
	8/9/2010	10'		X		-	-	-	-	-	-	-	10,300
	8/9/2010	15'		X		-	-	-	-	-	-	-	6,330
	8/9/2010	20'		X		-	-	-	-	-	-	-	<200
	8/9/2010	25'		X		-	-	-	-	-	-	-	<200
SB-10	8/9/2010	1'			X	35.7	1,510	1,545.7	<0.200	<0.200	<0.200	<0.200	<200
	8/9/2010	3'			X	-	-	-	-	-	-	-	<200
	8/9/2010	5'			X	-	-	-	-	-	-	-	2,370
	8/9/2010	7'		X		-	-	-	-	-	-	-	4,710
	8/9/2010	10'		X		-	-	-	-	-	-	-	23,200
	8/9/2010	15'		X		-	-	-	-	-	-	-	11,700
	8/9/2010	20'		X		-	-	-	-	-	-	-	8,830
	8/9/2010	25'		X		-	-	-	-	-	-	-	6,820
	8/9/2010	30'		X		-	-	-	-	-	-	-	1,470
	8/9/2010	40'		X		-	-	-	-	-	-	-	<200
	8/9/2010	50'		X		-	-	-	-	-	-	-	<200
SB-11	8/9/2010	1'			X	<100	5,140	5,140	<1.00	<1.00	<1.00	<1.00	<200
	8/9/2010	3'			X	<2.00	221	221	-	-	-	-	<200
	8/9/2010	5'			X	-	-	-	-	-	-	-	899
	8/9/2010	7'		X		-	-	-	-	-	-	-	2,340
	8/9/2010	10'		X		-	-	-	-	-	-	-	6,880
	8/9/2010	15'		X		-	-	-	-	-	-	-	3,260
	8/9/2010	20'		X		-	-	-	-	-	-	-	4,750
	8/9/2010	25'		X		-	-	-	-	-	-	-	326
	8/9/2010	30'		X		-	-	-	-	-	-	-	221
	8/9/2010	40'		X		-	-	-	-	-	-	-	257
	8/9/2010	50'		X		-	-	-	-	-	-	-	<200

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-12	8/9/2010	1'			X	125	8,380	8,505	<1.00	<1.00	<1.00	<1.00	336
	8/9/2010	3'			X	1,610	6,130	7,740	-	-	-	-	<200
	8/9/2010	5'			X	<2.00	268	268	-	-	-	-	457
	8/9/2010	7'		X		-	-	-	-	-	-	-	16,200
	8/9/2010	10'		X		-	-	-	-	-	-	-	13,000
	8/9/2010	15'		X		-	-	-	-	-	-	-	1,310
	8/9/2010	20'		X		-	-	-	-	-	-	-	781
	8/9/2010	25'		X		-	-	-	-	-	-	-	225
	8/9/2010	30'		X		-	-	-	-	-	-	-	<200
SB-13	8/9/2010	1'			X	<2.00	208	208	<0.0200	<0.0200	<0.0200	<0.0200	378
	8/9/2010	3'			X	-	-	-	-	-	-	-	347
	8/9/2010	5'			X	-	-	-	-	-	-	-	8,320
	8/9/2010	7'		X		-	-	-	-	-	-	-	11,100
	8/9/2010	10'		X		-	-	-	-	-	-	-	2,150
	8/9/2010	15'		X		-	-	-	-	-	-	-	<200
	8/9/2010	20'		X		-	-	-	-	-	-	-	<200
SB-14	8/10/2010	1'			X	<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200
	8/10/2010	3'			X	-	-	-	-	-	-	-	452
	8/10/2010	5'			X	-	-	-	-	-	-	-	<200
	8/10/2010	7'		X		-	-	-	-	-	-	-	16,100
	8/10/2010	10'		X		-	-	-	-	-	-	-	14,400
	8/10/2010	15'		X		-	-	-	-	-	-	-	13,800
	8/10/2010	20'		X		-	-	-	-	-	-	-	13,400
	8/10/2010	25'		X		-	-	-	-	-	-	-	8,940
	8/10/2010	30'		X		-	-	-	-	-	-	-	4,580
	8/10/2010	40'		X		-	-	-	-	-	-	-	<200

Table 2
COG Operating LLC.
Rhino #1
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total					
SB-15	8/10/2010	1'			X	<2.00	<50.0	<50.0	<0.0200	<0.0200	<0.0200	<0.0200	<200
	8/10/2010	3'			X	-	-	-	-	-	-	-	<200
	8/10/2010	5'			X	-	-	-	-	-	-	-	<200
	8/10/2010	7'		X		-	-	-	-	-	-	-	2,640
	8/10/2010	10'		X		-	-	-	-	-	-	-	1,030
	8/10/2010	15'		X		-	-	-	-	-	-	-	<200
	8/10/2010	20'		X		-	-	-	-	-	-	-	<200
SB-16	8/10/2010	1'		X		<2.00	<50.0	<50.00	-	-	-	-	<200
	8/10/2010	3'		X		-	-	-	-	-	-	-	<200
	8/10/2010	5'		X		-	-	-	-	-	-	-	<200
	8/10/2010	7'		X		-	-	-	-	-	-	-	<200
	8/10/2010	10'		X		-	-	-	-	-	-	-	<200

Excavation Depth

Liner

BEB Below Excavation Bottom

(-) Not Analyzed

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

View of Excavation

View of Excavation

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

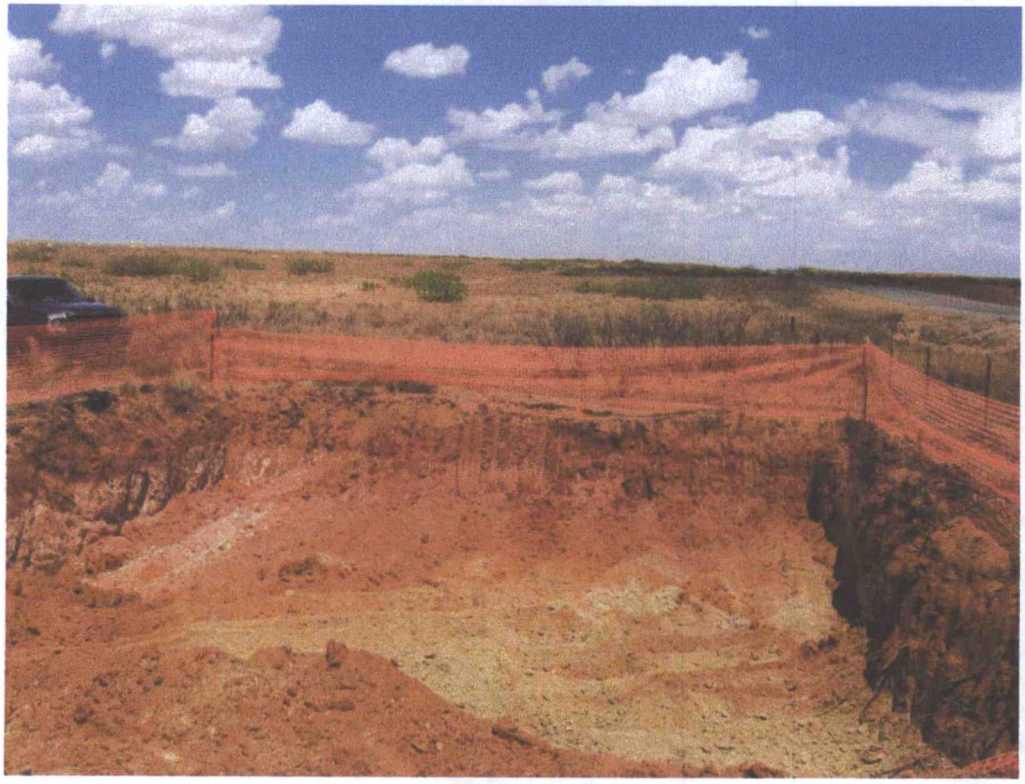
View of Excavation

View of Excavation

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

View of Excavation



View of Excavation

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

View of Excavation

View of Excavation

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

View of Excavation and Liner Installation

View of Excavation and Liner Installation

COG Operating LLC
Rhino #1
Lea County, New Mexico

View of Excavation and Liner Installation

View of Excavation and Liner Installation

COG Operating LLC
Rhino #1
Lea County, New Mexico

TETRA TECH

View of Excavation and Liner Installation

View of Excavation and Liner Installation

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 COG OPERATING LLC	Contact Kanicia Carrillo
Address 550 W. Texas, Suite 100 Midland, TX 79701	Telephone No. 432-685-4332
Facility Name – Rhino #1	Facility Type- Battery

Surface Owner Federal	Mineral Owner	Lease No.NMLC058698B/ 30-025-36605

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	35	17S	32E					Lea

Latitude N32 47.384 Longitude W103 44.698
The leak is located approximately 200 yards south of the Rhino #1.

NATURE OF RELEASE

Type of Release- Produced water	Volume of Release-400 bbls	Volume Recovered- 260 bbls
Source of Release- produced water mainline	Date and Hour of Occurrence- 12/31/09	Date and Hour of Discovery 12/31/09
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Trishia Bad Bear, Larry Johnson, Geoffrey Leking	
By Whom? Pat Ellis	Date and Hour 12/31/09 9:13pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER BD 25'

Describe Cause of Problem and Remedial Action Taken.*
A tee had snapped apart at the produced water mainline coming from the Rhino battery.

Describe Area Affected and Cleanup Action Taken.*
The spill area does not contain many large areas, but instead multiple fingers that cover an area of approximately 75' X 1000'. Tetra Tech will sample the spill site area to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD/BLM for your approval prior to any significant remediation work.

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: KC

Printed Name: Kanicia Carrillo

Title: Regulatory Analyst

E-mail Address: kcarrillo@conchoresources.com

Date: 01/12/10 Phone: 432-685-4332

OIL CONSERVATION DIVISION

Approved by District Supervisor: Chris Johnson
ENVIRONMENTAL ENGINEER

Approval Date: 1.18.10 Expiration Date: 3.18.10

Conditions of Approval:
SUBMIT WORKPLAN FOR OCD APPROVAL
COMPLETE & SUBMIT FINAL C-141 BY 3.18.10

Attached ☐
IRP# 10.1.2398

* Attach Additional Sheets If Necessary

fGRH1002249400

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 **COG Operating LLC**	Contact **Pat Ellis**
Address **550 W. Texas, Suite 1300 Midland, Texas 79701**	Telephone No. **(432) 685-4332**
Facility Name Rhino #1	Facility Type **Tank Battery**

Surface Owner: Federal	Mineral Owner	Lease No. API# 30-025-36605

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	35	17S	32E					Lea

Latitude 32 47.384 **Longitude** 103 44.698

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release 400 bbls	Volume Recovered 260 bbls
Source of Release: produced water main line	Date and Hour of Occurrence 12/31/2009	Date and Hour of Discovery 12/31/09
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Trishia Bad Bear, Larry Johnson, Geoffrey Leking	
By Whom? Pat Ellis	Date and Hour 12/31/2009 9:13 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

A tee had snapped apart at the produced water mainline coming from Rhino battery.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected site and collected samples to define spills extent. The soil that exceeded RRAL was removed and hauled away for proper disposal. As approved, the impacted soil was removal to a depth of 5.0' below surface and lined with a 40 mil liner. Site was then brought up to surface grade with clean backfill material. Tetra Tech prepared closure report and submitted to NMOCD for review.

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: Ike Tavarez (agent for COG)	Approved by District Supervisor:	
Title: Project Manager	Approval Date:	Expiration Date:
E-mail Address: ike.tavarez@tetratech.com	Conditions of Approval:	Attached ☐
Date: 3-13-12 Phone: (432) 682-4559		

* Attach Additional Sheets If Necessary

Water Well Data
Average Depth to Groundwater (ft)
COG - Rhino #1 Tank Battery
Lea County, New Mexico

16 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 288
18	17	16	15	14	13 113
19	20	21	22	23	24
30	29	28	27	26	25
31 290	32	33	34	35	36

16 South 32 East

6	5	4	3 65	2 285	1 265
7	8	9	10	11	12 215
18	17	16 221	15	14	13 215
19 220	20	21 210	22	23 210	24
30	29	28	27	26 243	25
31	32	33	34	35	36 260

16 South 33 East

6	5 180	4 150	3 130	2 148	1 142
7	8 200	9	10 182	11	12 142
18	17 182	16 180	15 175	14 143	13 110
19	20	21	22	23 120	24
30 191	29	28 190	27 130	26 143	25 120
31 190	32 168	33	34 160	35	36

17 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34 271	35	36

17 South 32 East

6	5	4 82	3 175	2 60	1 225
7	8	9	10	11 70 88	12 120
18	17	16	15	14	13
19	20	21	22	23	24
30 ⊗	29	28	27	26	25
31	32	33	34	35 ⊗ SITE	36

17 South 33 East

6 90	5	4	3 155	2 158	1 150
7 167	8 173	9 161	10	11	12
18 188	17 180	16	15	14	13 165
19	20 190	21	22	23 115	24
30	29	28	27	26	25
31	32	33	34	35 155	36

18 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 400
18	17	16	15	14 317	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 261	36

18 South 32 East

6	5	4 65	3	2	1
7 460 82	8	9	10	11	12
18	17	16 84	15	14	13
19	20 184	21	22 429	23	24
30	29	28	27	26	25
31	32	33	34 117	35	36

18 South 33 East

6	5	4	3	2	1
7	8 100	9	10 62	11	12 143 140
18	17 85	16	15	14 36	13 80
19 >140	20	21	22	23	24 195
30 35	29	28	27	26	25
31	32	33	34 177	35	36

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data
- Field water level
- New Mexico Water and Infrastructure Data System
- ⊗ Tetra Tech Temporary well

SAMPLE LOG

Boring/Well: TMW-1
Project Number: 114-6400438
Client: COG
Site Location: Rhino
Location: Lea Co., NM
Legals: T-17S R-32E Sec35
Total Depth 130
Date Installed: 03/16/11
Gauged: 3/23/11 - 133' Dry Well TOC

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
5	--	Very loose brown sand - dry blow sand
10	--	Very soft white clay - dry caliche powder
15	--	Loose tan sand w/ 1mm gravel - very dry
20	--	Loose tan sand w/ 2.5mm gravel - very dry
25	--	Loose reddish sand well sorted - very dry
30	--	Soft silty clay brown/reddish - dry
35	--	Soft reddish silty clay - dry
40	--	Soft tan silty clay - dry
45	--	Soft red silty clay - dry
50	--	Stiff brown/reddish clay - dry
55	--	Stiff brown/reddish clay - dry
60	--	Stiff brown/reddish clay - dry
65	--	Stiff red clay - dry (Redbed)
70	--	Medium stiff red silty clay powder - very dry
75	--	Medium stiff red silty clay powder - very dry
80	--	Medium stiff red silty clay powder - very dry
85	--	Medium stiff red silty clay powder - very dry
90	--	Medium stiff red silty clay powder - very dry
95	--	Medium stiff red silty clay powder - very dry
100	--	Medium stiff red silty clay powder - very dry
105	--	Medium stiff red silty clay powder - very dry
110	--	Medium stiff red silty clay powder - very dry
115	--	Medium dense silty sandy clay
120	--	Medium stiff red clay - very dry
125	--	Medium stiff red clay - very dry
130	--	Medium stiff red clay - very dry

Total Depth 130' **Groundwater was not encountered**

A	01	17S	32E	222333	LEA	SEO		1	17S.32E.01.222333	1976-02-16	228.60
K	01	17S	32E	323	LEA	SEO		1	17S.32E.01.323	1966-03-10	173.19
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1961-02-06	151.26
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1966-03-15	165.85
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1976-02-16	166.74
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1981-01-28	172.17
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1986-03-25	173.00
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1990-12-07	173.44
K	01	17S	32E	32343	LEA	USGS	325132103430901	7	17S.32E.01.32343	1996-02-16	176.15
I	01	17S	32E	422311	LEA	SEO		1	17S.32E.01.422311	1990-11-30	237.79
O	02	17S	32E	43433	LEA	SEO		1	17S.32E.02.43433	1961-03-14	148.33
F	03	17S	32E	14330	LEA	SEO		1	17S.32E.03.14330	1966-02-10	168.14
K	03	17S	32E	321142	LEA	SEO		1	17S.32E.03.321142	1986-04-02	163.01
O	03	17S	32E	43333	LEA	SEO		1	17S.32E.03.43333	1996-01-12	139.03
B	11	17S	32E	21321	LEA	SEO		1	17S.32E.11.21321	1981-01-28	105.86
G	11	17S	32E	231432	LEA	SEO		1	17S.32E.11.231432	1981-06-16	79.28
N	11	17S	32E	34332	LEA	SEO		1	17S.32E.11.34332	1996-02-20	48.14
N	11	17S	32E	34342	LEA	SEO		1	17S.32E.11.34342	1976-03-01	32.35
P	12	17S	32E	444144	LEA	SEO		1	17S.32E.12.444144	1966-02-11	120.13

F	04	18S	32E	144	LEA	SEO		1	18S.32E.04.144		65.00
P	07	18S	32E	44	LEA	SEO		1	18S.32E.07.44		460.00
P	07	18S	32E	44233	LEA	SEO		1	18S.32E.07.44233	1996-01-30	82.35
A	16	18S	32E	223433	LEA	SEO		1	18S.32E.16.223433	1991-10-17	84.59
A	16	18S	32E	22433	LEA	SEO		1	18S.32E.16.22433	1968-03-18	84.18
F	20	18S	32E	14411	LEA	SEO		1	18S.32E.20.14411	1991-05-14	164.34
K	22	18S	32E	32322	LEA	SEO		1	18S.32E.22.32322	1986-03-25	429.49
A	34	18S	32E	22200	LEA	SEO		1	18S.32E.34.22200	1981-03-12	117.28

N	03	18S	33E	34133	LEA	SEO		1	18S.33E.03.34133	1966-04-05	60.10
N	03	18S	33E	341333	LEA	SEO		1	18S.33E.03.341333	1971-02-19	59.18
B	08	18S	33E	213	LEA	SEO		1	18S.33E.08.213		100.00
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1965-12-01	57.67
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1968-03-06	57.40
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1971-02-09	41.64
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1976-02-18	57.86
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1981-02-20	57.04
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1986-03-25	56.77
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1991-05-17	58.01
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	1996-02-15	59.18
G	10	18S	33E	23244	LEA	USGS	324541103383901	9	18S.33E.10.23244	2001-02-20	60.28
P	10	18S	33E	44211	LEA	SEO		1	18S.33E.10.44211	1976-02-18	44.75
P	10	18S	33E	44211 A	LEA	SEO		1	18S.33E.10.44211 A	1976-02-18	44.97
P	11	18S	33E	443313	LEA	SEO		1	18S.33E.11.443313	1991-05-17	46.16
P	12	18S	33E	44	LEA	SEO		1	18S.33E.12.44		150.00
P	12	18S	33E	44	LEA	SEO		1	18S.33E.12.44		130.00
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1961-03-06	137.22
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1966-02-08	137.15
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1971-02-05	137.48
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1976-02-17	137.66
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1981-02-20	138.91
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1986-03-25	140.14
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1991-05-15	141.70
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	1996-02-15	142.81
P	12	18S	33E	44211	LEA	USGS	324518103362601	9	18S.33E.12.44211	2001-02-20	142.79
E	13	18S	33E	131444	LEA	SEO		1	18S.33E.13.131444	1976-02-17	32.19
P	13	18S	33E	44244	LEA	SEO		1	18S.33E.13.44244	1996-02-15	48.55
D	14	18S	33E	111	LEA	SEO		1	18S.33E.14.111	1976-02-18	36.41
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1954-06-03	35.90
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1961-03-10	36.02
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1965-12-01	37.88
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1966-04-05	36.07
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1968-03-06	35.83
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1971-02-09	35.20
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1976-02-18	36.41
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1981-02-20	37.98
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1986-03-25	37.82
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1991-05-17	39.05
D	14	18S	33E	11140	LEA	USGS	324502103381802	11	18S.33E.14.11140	1996-02-15	40.27
A	17	18S	33E	22	LEA	SEO		1	18S.33E.17.22		85.00
G	23	18S	33E	23140	LEA	SEO		1	18S.33E.23.23140	1981-02-20	47.63
G	23	18S	33E	23140 A	LEA	SEO		1	18S.33E.23.23140 A	1991-05-22	48.94
H	24	18S	33E	24	LEA	SEO		1	18S.33E.24.24		195.00
A	30	18S	33E	22	LEA	SEO		1	18S.33E.30.22		35.00
B	33	18S	33E	21131	LEA	SEO		1	18S.33E.33.21131	1958-12-09	177.35

F	01	17S	33E	14	LEA	SEO		1	17S.33E.01.14		150.00
C	02	17S	33E	12	LEA	SEO		1	17S.33E.02.12		162.00
P	02	17S	33E	44	LEA	SEO		1	17S.33E.02.44		168.00
P	02	17S	33E	444	LEA	SEO		1	17S.33E.02.444		151.00
F	03	17S	33E	14	LEA	SEO		1	17S.33E.03.14		155.00
F	03	17S	33E	14134	LEA	SEO		1	17S.33E.03.14134	1966-02-14	146.98
H	04	17S	33E	241441	LEA	SEO		1	17S.33E.04.241441	1971-02-18	159.58
P	04	17S	33E	44321	LEA	SEO		1	17S.33E.04.44321	1990-12-07	172.65
P	04	17S	33E	44444	LEA	SEO		1	17S.33E.04.44444	1961-03-14	145.19
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1961-01-19	166.50
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1966-03-30	177.05
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1971-03-31	162.20
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1976-09-01	166.20
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1981-01-27	165.40
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1986-03-25	166.40
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1990-12-07	167.22
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	1996-02-16	168.27
A	05	17S	33E	22220	LEA	USGS	325208103402601	9	17S.33E.05.22220	2001-02-20	169.40
	06	17S	33E		LEA	SEO		1	17S.33E.06.		90.00
D	06	17S	33E	111444	LEA	SEO		1	17S.33E.06.111444	1986-03-25	214.11
I	06	17S	33E	42000	LEA	SEO		1	17S.33E.06.42000	1986-03-26	170.24
F	07	17S	33E	141221	LEA	SEO		1	17S.33E.07.141221	1990-12-07	197.13
K	07	17S	33E	32	LEA	SEO		1	17S.33E.07.32		114.00
K	07	17S	33E	32	LEA	SEO		1	17S.33E.07.32		214.00
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1961-03-27	188.50
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1966-02-10	189.92
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1971-02-15	188.61
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1976-02-17	189.60
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1981-01-23	190.28
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1986-03-25	191.48
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1990-12-07	192.25
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	1996-02-16	193.20
K	07	17S	33E	32322	LEA	USGS	325044103420601	9	17S.33E.07.32322	2001-02-20	193.86
E	08	17S	33E	132331	LEA	SEO		1	17S.33E.08.132331	1990-07-12	179.55
J	08	17S	33E	41	LEA	SEO		1	17S.33E.08.41		173.00
J	08	17S	33E	41	LEA	SEO		1	17S.33E.08.41		173.00
M	09	17S	33E	33	LEA	SEO		1	17S.33E.09.33		161.00
M	09	17S	33E	33	LEA	SEO		1	17S.33E.09.33		160.00
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1961-03-13	168.96
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1966-04-06	169.55
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1971-02-15	171.36

N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1976-02-17	173.55
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1981-01-27	176.23
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1986-03-26	177.25
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	1996-02-16	178.34
N	09	17S	33E	342113	LEA	USGS	325036103400001	8	17S.33E.09.342113	2001-02-20	178.01
O	10	17S	33E	43433	LEA	SEO		1	17S.33E.10.43433	1990-12-11	154.15
H	12	17S	33E	24333	LEA	SEO		1	17S.33E.12.24333	1990-12-11	139.86
D	13	17S	33E	11	LEA	SEO		1	17S.33E.13.11		165.00
D	13	17S	33E	11	LEA	SEO		1	17S.33E.13.11		165.00
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1952-05-24	147.77
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1956-01-05	151.49
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1961-01-06	158.01
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1966-01-13	160.84
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1971-01-13	161.34
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1976-01-13	167.18
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1981-01-06	174.33
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1986-01-08	169.50
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1991-01-02	171.50
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	1994-01-08	178.15
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	2001-01-03	172.05
N	13	17S	33E	34122	LEA	USGS	324940103365801	12	17S.33E.13.34122	2004-01-08	167.87
O	13	17S	33E	43444	LEA	SEO		1	17S.33E.13.43444	1990-12-11	175.72
H	16	17S	33E	24242	LEA	SEO		1	17S.33E.16.24242	1990-12-07	195.49
	17	17S	33E		LEA	SEO		1	17S.33E.17.		180.00
	17	17S	33E		LEA	SEO		1	17S.33E.17.		180.00
A	18	17S	33E	221	LEA	SEO		1	17S.33E.18.221		188.00
A	18	17S	33E	22113	LEA	SEO		1	17S.33E.18.22113	1990-12-07	184.03
G	18	17S	33E	23	LEA	SEO		1	17S.33E.18.23		188.00
K	18	17S	33E	322332	LEA	SEO		1	17S.33E.18.322332	1986-03-26	195.15
A	20	17S	33E	22	LEA	SEO		1	17S.33E.20.22		190.00
A	20	17S	33E	221443	LEA	SEO		1	17S.33E.20.221443	1961-03-14	147.38
H	20	17S	33E	24132	LEA	SEO		1	17S.33E.20.24132	1996-04-02	170.45
O	22	17S	33E	43233	LEA	SEO		1	17S.33E.22.43233	1996-02-15	157.20
L	23	17S	33E	31	LEA	SEO		1	17S.33E.23.31		160.00
L	23	17S	33E	313242	LEA	SEO		1	17S.33E.23.313242	1976-03-02	159.25
H	25	17S	33E	24444	LEA	SEO		1	17S.33E.25.24444	1986-04-02	155.08
I	26	17S	33E	421443	LEA	SEO		1	17S.33E.26.421443	1956-09-07	162.35
A	29	17S	33E	22221	LEA	SEO		1	17S.33E.29.22221	1986-03-26	206.02
N	29	17S	33E	34411	LEA	SEO		1	17S.33E.29.34411	1990-12-12	60.62
C	30	17S	33E	12432	LEA	SEO		1	17S.33E.30.12432	1971-02-16	69.14
G	33	17S	33E	23411	LEA	SEO		1	17S.33E.33.23411	1990-12-11	120.85

I	33	17S	33E	42244	LEA	SEO		1	17S.33E.33.42244	1990-12-11	122.34
K	35	17S	33E	321	LEA	SEO		1	17S.33E.35.321		160.00
O	35	17S	33E	433	LEA	SEO		1	17S.33E.35.433		150.00

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04021		MUN	LE		3	4	03	17S	32E	616761	3636252*	247		
L 04021 S		MUN	LE	4	3	2	03	17S	32E	616850	3636955*	260		
RA 08855		DOM	LE	4	1	1	10	17S	32E	616061	3635742*	158		
RA 09505		PDL	LE	2	2	1	10	17S	32E	616462	3635944	147		
RA 09505 S		PDL	LE	2	2	1	10	17S	32E	616463	3635945*	144		
RA 10175		SAN	LE		2	1	28	17S	32E	614814	3631005*	158		
RA 10846		DOM	LE	2	2	2	09	17S	32E	615659	3635938*	250		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 7

PLSS Search:

Township: 17S Range: 32E

***UTM location was derived from PLSS - see Help**

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New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00566		DOM	LE	4	4	1	04	18S	32E	614960	3627280*	133	65	68
CP 00672		STK	LE		4	4	07	18S	32E	612475	3624947*	540	460	80
CP 00677		PRO	LE		1	1	26	18S	32E	617750	3621373*	700		

Average Depth to Water: **262 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

Record Count: 3

PLSS Search:

Township: 18S Range: 32E

***UTM location was derived from PLSS - see Help**

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New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01695		IND	LE	4	4	2	25	17S	33E	630220	3630704*	230		
L 01883		IND	LE	4	4	4	13	17S	33E	630189	3633119*	260		
L 02687 APPRO		PRO	LE		2	2	26	17S	33E	628505	3631183*			
L 02875		PRO	LE		2	2	20	17S	33E	623662	3632717*	250	190	60
L 02875 APPRO		PRO	LE		2	2	20	17S	33E	623662	3632717*	250	190	60
L 03012		PRO	LE		4	1	03	17S	33E	626012	3637179*	210	155	55
L 03012 APPRO		PRO	LE		4	1	03	17S	33E	626012	3637179*	210	155	55
L 03133		SAN	LE	3	1	3	23	17S	33E	627188	3631868*	230		
L 03133 APPRO		SAN	LE		1	3	23	17S	33E	627289	3631969*	230	160	70
L 03133 APPRO 2		SAN	ED	3	1	3	23	17S	33E	627188	3631868*	230	70	160
L 03133 APPRO 3		SAN	LE		1	3	23	17S	33E	627289	3631969*	230		
L 03622		PRO	LE				17	17S	33E	623053	3633703*	226	180	46
L 03622 APPRO		PRO	LE				17	17S	33E	623053	3633703*	226	180	46
L 03713		PRO	LE	3	4	1	28	17S	33E	624391	3630617*	210		
L 03713 APPRO		PRO	LE	3	4	1	28	17S	33E	624391	3630617*	210		
L 03726		DOM	LE	1	2	2	18	17S	33E	621930	3634400*	208	188	20
L 03726 APPRO		DOM	LE		3	2	18	17S	33E	621635	3633892*	208	188	20
L 03749		PRO	LE		3	3	09	17S	33E	624036	3634734*	230	161	69
L 03749 APPRO		PRO	LE		3	3	09	17S	33E	624036	3634734*	230	160	70
L 03750		PRO	LE		4	1	01	17S	33E	629228	3637230*	180	150	30
L 03750 APPRO		PRO	LE		4	1	01	17S	33E	629228	3637230*	180	150	30
L 03782		PRO	LE	4	4	4	02	17S	33E	628532	3636311*	183	151	32
L 03782 APPRO		PRO	LE	4	4	4	02	17S	33E	628532	3636311*	183	151	32
L 04038		STK	LE		1	4	08	17S	33E	623226	3635124*	245	173	72
L 04038 APPRO		STK	LE		1	4	08	17S	33E	623226	3635124*	245	173	72
L 04122		DOM	LE		2	3	07	17S	33E	621216	3635093*	249	114	135
L 04122 APPRO		DOM	LE		2	3	07	17S	33E	621216	3635093*	249	214	35
L 04333		PRO	LE		1	1	13	17S	33E	628862	3634407*	217	165	52
L 04333 APPRO		PRO	LE		1	1	13	17S	33E	628862	3634407*	217	165	52

***UTM location was derived from PLSS - see Help**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 04363		PRO	LE	1	2	3	35	17S	33E	627634	3628855*	226	160	66
L 04363 APPRO		PRO	LE	1	2	3	35	17S	33E	627634	3628855*	226	160	66
L 04524		DOM	LE				06	17S	33E	621387	3636896*	100	90	10
L 04524 APPRO		DOM	LE				06	17S	33E	621387	3636896*	100	90	10
L 04935		PRO	LE		2	1	02	17S	33E	627614	3637606*	204	162	42
L 05055		PRO	LE	3	3	4	35	17S	33E	628042	3628259*	233	150	83
L 05096		PRO	LE	3	3	4	35	17S	33E	628042	3628259*	233	150	83
L 09891		PRO	LE	3	4	4	16	17S	33E	625163	3633043*	190		
L 10212		SRO	LE		4	4	02	17S	33E	628433	3636412*	273	168	105

Average Depth to Water: **157 feet**

Minimum Depth: **70 feet**

Maximum Depth: **214 feet**

Record Count: 38

PLSS Search:

Township: 17S Range: 33E

***UTM location was derived from PLSS - see Help**

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New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00623		COM	LE	1	1	1	13	18S	33E	628895	3624852*	82	60	22
CP 00689		PRO	LE		2	1	13	18S	33E	629398	3624760*	100		
CP 00691		PRO	LE		4	2	24	18S	33E	630228	3622763*	215	195	20
CP 00701		PRO	LE		1	3	11	18S	33E	627373	3625534*	100		
CP 00758 EXPL		EXP	LE			3	04	18S	33E	624345	3626886*	250		
L 02878		PRO	LE		4	4	12	18S	33E	630196	3625175*	205	150	55
L 03454		DOM	LE		2	2	30	18S	33E	622200	3621422*	100	35	65
L 03454 APPRO		DOM	LE		2	2	30	18S	33E	622200	3621422*	100	35	65
L 06131		STK	LE	3	1	2	08	18S	33E	623241	3626167*	194	100	94
L 06347		STK	LE		4	4	12	18S	33E	630196	3625175*	170	130	40
L 09866		PRO	LE		2	2	17	18S	33E	623767	3624667*	238	85	153

Average Depth to Water: **98 feet**

Minimum Depth: **35 feet**

Maximum Depth: **195 feet**

Record Count: 11

PLSS Search:

Township: 18S Range: 33E

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Data Category: Ground Water | Geographic Area: New Mexico | GO

News - updated January 2010

Ground-water levels for New Mexico

Search Results -- 1 sites found

Search Criteria

site_no list = • 325029103423201
Minimum number of levels = 1

Save file of selected sites to local disk for future upload

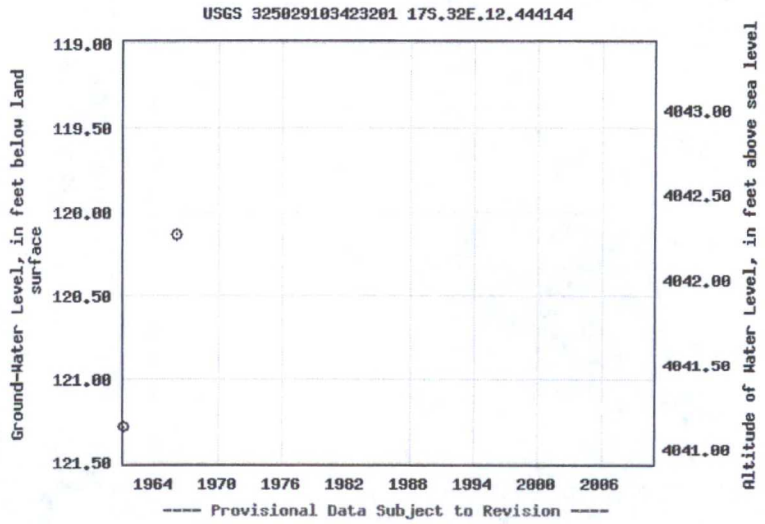
USGS 325029103423201 17S.32E.12.444144

Available data for this site Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°50'34", Longitude 103°42'44" NAD27
Land-surface elevation 4,162.40 feet above sea level NGVD29
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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Title: Ground water for New Mexico: Water Levels
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Page Contact Information: New Mexico Water-Data Support Team

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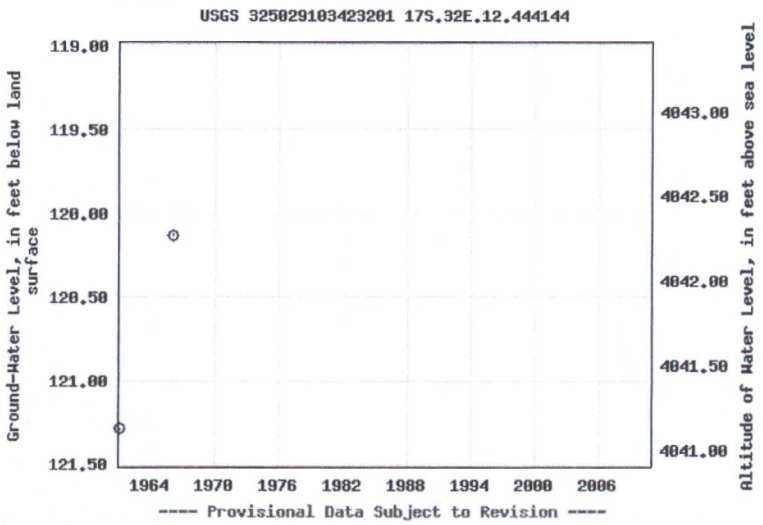

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site_no list = • 325100103435701
Minimum number of levels = 1

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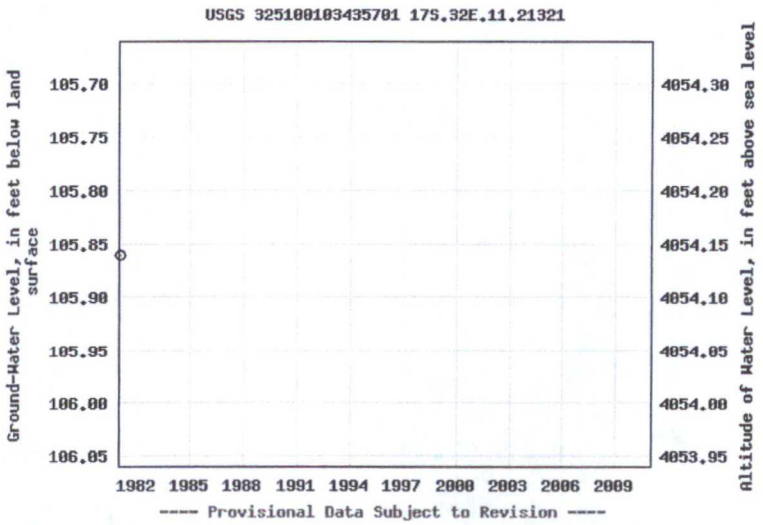
USGS 325100103435701 17S.32E.11.21321

Available data for this site Ground-water: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code
Latitude 32°51'15", Longitude 103°44'07" NAD27
Land-surface elevation 4,160.00 feet above sea level NGVD29
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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site_no list = • 324519103474501
Minimum number of levels = 1

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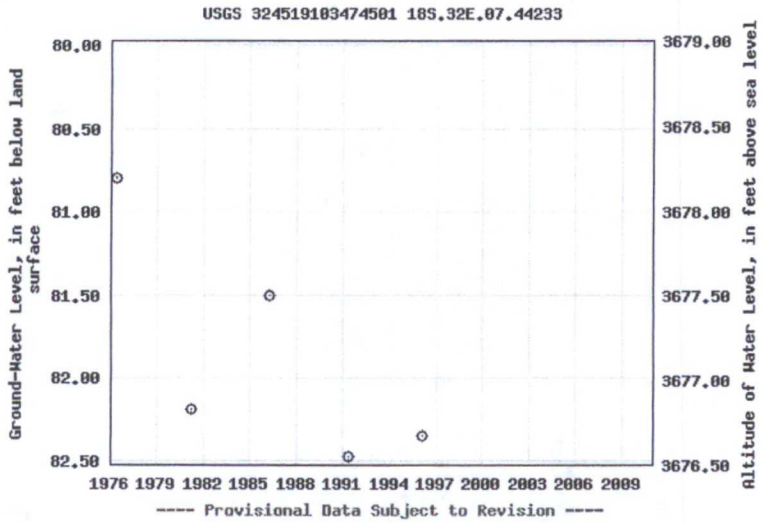
USGS 324519103474501 18S.32E.07.44233

Available data for this site Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°45'24", Longitude 103°47'55" NAD27
Land-surface elevation 3,759.00 feet above sea level NGVD29
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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site_no list = • 324458103454301
Minimum number of levels = 1

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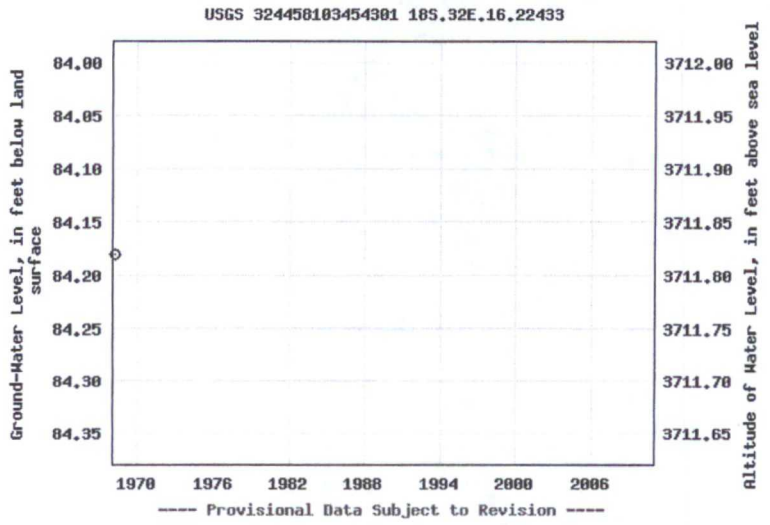
USGS 324458103454301 18S.32E.16.22433

Available data for this site Ground-water: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°45'05", Longitude 103°45'51" NAD27
Land-surface elevation 3,796.00 feet above sea level NGVD29
The depth of the well is 100 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

- Table of data
- Tab-separated data
- Graph of data
- Reselect period



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Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: March 23, 2010

Work Order: 10031021

Project Location: Lea County, NM
Project Name: COG/Rhino #1 TB
Project Number: 114-6400438

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
225108	AH-1 0-1'	soil	2010-03-05	00:00	2010-03-09
225109	AH-1 1 -1.5'	soil	2010-03-05	00:00	2010-03-09
225110	AH-1 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225111	AH-1 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225112	AH-1 4-4.5	soil	2010-03-05	00:00	2010-03-09
225113	AH-2 0-1'	soil	2010-03-05	00:00	2010-03-09
225114	AH-2 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225115	AH-2 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225116	AH-2 2.5-3'	soil	2010-03-05	00:00	2010-03-09
225117	AH-3 0-1'	soil	2010-03-05	00:00	2010-03-09
225118	AH-3 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225119	AH-3 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225120	AH-3 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225121	AH-3 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225122	AH-3 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225123	AH-4 0-1'	soil	2010-03-05	00:00	2010-03-09
225124	AH-4 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225125	AH-4 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225126	AH-4 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225127	AH-4 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225128	AH-4 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225129	AH-4 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225130	AH-4 7-7.5'	soil	2010-03-05	00:00	2010-03-09
225131	AH-4 8-8.5'	soil	2010-03-05	00:00	2010-03-09
225132	AH-4 9-9.5'	soil	2010-03-05	00:00	2010-03-09
225133	AH-5 0-1'	soil	2010-03-05	00:00	2010-03-09
225134	AH-5 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225135	AH-5 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225136	AH-5 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225137	AH-5 4-4.5'	soil	2010-03-05	00:00	2010-03-09

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
225138	AH-6 0-1'	soil	2010-03-05	00:00	2010-03-09
225139	AH-6 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225140	AH-6 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225141	AH-6 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225142	AH-6 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225143	AH-6 5-5.5	soil	2010-03-05	00:00	2010-03-09
225144	AH-7 0-1'	soil	2010-03-05	00:00	2010-03-09
225145	AH-7 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225146	AH-7 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225147	AH-7 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225148	AH-7 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225149	AH-7 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225150	AH-7 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225151	AH-7 7-7.5'	soil	2010-03-05	00:00	2010-03-09
225152	AH-7 8-8.5'	soil	2010-03-05	00:00	2010-03-09
225153	AH-7 8.5-9'	soil	2010-03-05	00:00	2010-03-09
225154	AH-8 0-1'	soil	2010-03-05	00:00	2010-03-09
225155	AH-8 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225156	AH-8 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225157	AH-8 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225158	AH-8 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225159	AH-8 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225160	AH-8 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225161	AH-8 7-7.5'	soil	2010-03-05	00:00	2010-03-09
225162	AH-8 8-8.5'	soil	2010-03-05	00:00	2010-03-09
225163	AH-9 0-1'	soil	2010-03-05	00:00	2010-03-09
225164	AH-9 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225165	AH-9 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225166	AH-9 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225167	AH-9 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225168	AH-9 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225169	AH-9 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225170	AH-9 7-7.5'	soil	2010-03-05	00:00	2010-03-09
225171	AH-9 8-8.5'	soil	2010-03-05	00:00	2010-03-09
225172	AH-9 9-9.5'	soil	2010-03-05	00:00	2010-03-09
225173	AH-10 0-1'	soil	2010-03-05	00:00	2010-03-09
225174	AH-10 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225175	AH-10 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225176	AH-10 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225177	AH-10 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225178	AH-10 5-5.5'	soil	2010-03-05	00:00	2010-03-09
225179	AH-10 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225180	AH-10 7-7.5'	soil	2010-03-05	00:00	2010-03-09
225181	AH-11 0-1'	soil	2010-03-05	00:00	2010-03-09
225182	AH-11 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225183	AH-11 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225184	AH-11 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225185	AH-11 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225186	AH-11 5-5.5'	soil	2010-03-05	00:00	2010-03-09

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
225187	AH-11 6-6.5'	soil	2010-03-05	00:00	2010-03-09
225188	AH-12 0-1'	soil	2010-03-05	00:00	2010-03-09
225189	AH-12 1-1.5'	soil	2010-03-05	00:00	2010-03-09
225190	AH-12 2-2.5'	soil	2010-03-05	00:00	2010-03-09
225191	AH-12 3-3.5'	soil	2010-03-05	00:00	2010-03-09
225192	AH-12 4-4.5'	soil	2010-03-05	00:00	2010-03-09
225193	AH-12 5-5.5'	soil	2010-03-05	00:00	2010-03-09

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
225108 - AH-1 0-1'	<0.0500	<0.0500	<0.0500	<0.0500	**526**	**24.0**
225113 - AH-2 0-1'	<0.0500	<0.0500	<0.0500	**0.337**	**708**	**154**
225117 - AH-3 0-1'	**1.70**	**17.7**	**13.4**	**47.2**	**2480**	**2420**
225118 - AH-3 1-1.5'	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
225119 - AH-3 2-2.5'					<50.0	<1.00
225123 - AH-4 0-1'	**1.45**	**20.6**	**37.2**	**70.6**	**2670**	**3970**
225124 - AH-4 1-1.5'	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
225125 - AH-4 2-2.5'					<50.0	<1.00
225126 - AH-4 3-3.5'					<50.0	<1.00
225133 - AH-5 0-1'					<50.0	<1.00
225138 - AH-6 0-1'	<0.0100	<0.0100	<0.0100	<0.0100	**61.4**	<1.00
225144 - AH-7 0-1'					<50.0	<5.00
225154 - AH-8 0-1'	<0.200	**4.11**	**10.3**	**17.8**	**2060**	**1430**
225155 - AH-8 1-1.5'	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	<1.00
225163 - AH-9 0-1'	<0.0500	<0.0500	**0.146**	**1.09**	**868**	**255**
225164 - AH-9 1-1.5'					<50.0	<1.00
225173 - AH-10 0-1'	<0.0100	<0.0100	<0.0100	<0.0100	**424**	**2.50**
225181 - AH-11 0-1'					<50.0	<1.00
225188 - AH-12 0-1'					<50.0	<1.00

Sample: 225108 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225109 - AH-1 1 -1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225110 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**11500**	mg/Kg	4.00

Sample: 225111 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**14000**	mg/Kg	4.00

Sample: 225112 - AH-1 4-4.5

Param	Flag	Result	Units	RL
Chloride		**12200**	mg/Kg	4.00

Sample: 225113 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		**212**	mg/Kg	4.00

Sample: 225114 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**591**	mg/Kg	4.00

Sample: 225115 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**7580**	mg/Kg	4.00

Sample: 225116 - AH-2 2.5-3'

Param	Flag	Result	Units	RL
Chloride		**17200**	mg/Kg	4.00

Sample: 225117 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**546**	mg/Kg	4.00

Sample: 225118 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1790**	mg/Kg	4.00

Sample: 225119 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**5480**	mg/Kg	4.00

Sample: 225120 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**5700**	mg/Kg	4.00

Sample: 225121 - AH-3 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**5940**	mg/Kg	4.00

Sample: 225122 - AH-3 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**13200**	mg/Kg	4.00

Sample: 225123 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**2970**	mg/Kg	4.00

Sample: 225124 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**8880**	mg/Kg	4.00

Sample: 225125 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**7390**	mg/Kg	4.00

Sample: 225126 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**6880**	mg/Kg	4.00

Sample: 225127 - AH-4 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**7490**	mg/Kg	4.00

Sample: 225128 - AH-4 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**6120**	mg/Kg	4.00

Sample: 225129 - AH-4 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**5540**	mg/Kg	4.00

Sample: 225130 - AH-4 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**2520**	mg/Kg	4.00

Sample: 225131 - AH-4 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**8660**	mg/Kg	4.00

Sample: 225132 - AH-4 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**12700**	mg/Kg	4.00

Sample: 225133 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225134 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225135 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**9770**	mg/Kg	4.00

Sample: 225136 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**21800**	mg/Kg	4.00

Sample: 225137 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**17800**	mg/Kg	4.00

Sample: 225138 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225139 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225140 - AH-6 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**1490**	mg/Kg	4.00

Sample: 225141 - AH-6 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**11200**	mg/Kg	4.00

Sample: 225142 - AH-6 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**13200**	mg/Kg	4.00

Sample: 225143 - AH-6 5-5.5

Param	Flag	Result	Units	RL
Chloride		**8950**	mg/Kg	4.00

Sample: 225144 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225145 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225146 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225147 - AH-7 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**4710**	mg/Kg	4.00

Sample: 225148 - AH-7 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**10600**	mg/Kg	4.00

Sample: 225149 - AH-7 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**10300**	mg/Kg	4.00

Sample: 225150 - AH-7 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**9100**	mg/Kg	4.00

Sample: 225151 - AH-7 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**8210**	mg/Kg	4.00

Sample: 225152 - AH-7 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**5710**	mg/Kg	4.00

Sample: 225153 - AH-7 8.5-9'

Param	Flag	Result	Units	RL
Chloride		**6730**	mg/Kg	4.00

Sample: 225154 - AH-8 0-1'

Param	Flag	Result	Units	RL
Chloride		**1960**	mg/Kg	4.00

Sample: 225155 - AH-8 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**3110**	mg/Kg	4.00

Sample: 225156 - AH-8 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**3560**	mg/Kg	4.00

Sample: 225157 - AH-8 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**4250**	mg/Kg	4.00

Sample: 225158 - AH-8 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**8020**	mg/Kg	4.00

Sample: 225159 - AH-8 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**11000**	mg/Kg	4.00

Sample: 225160 - AH-8 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**12400**	mg/Kg	4.00

Sample: 225161 - AH-8 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**12000**	mg/Kg	4.00

Sample: 225162 - AH-8 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**11200**	mg/Kg	4.00

Sample: 225163 - AH-9 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225164 - AH-9 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225165 - AH-9 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**544**	mg/Kg	4.00

Sample: 225166 - AH-9 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**4770**	mg/Kg	4.00

Sample: 225167 - AH-9 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**8670**	mg/Kg	4.00

Sample: 225168 - AH-9 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**8520**	mg/Kg	4.00

Sample: 225169 - AH-9 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**7420**	mg/Kg	4.00

Sample: 225170 - AH-9 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**8120**	mg/Kg	4.00

Sample: 225171 - AH-9 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**9660**	mg/Kg	4.00

Sample: 225172 - AH-9 9-9.5'

Param	Flag	Result	Units	RL
Chloride		**16600**	mg/Kg	4.00

Sample: 225173 - AH-10 0-1'

Param	Flag	Result	Units	RL
Chloride		**550**	mg/Kg	4.00

Sample: 225174 - AH-10 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1490**	mg/Kg	4.00

Sample: 225175 - AH-10 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**902**	mg/Kg	4.00

Sample: 225176 - AH-10 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1400**	mg/Kg	4.00

Sample: 225177 - AH-10 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**4240**	mg/Kg	4.00

Sample: 225178 - AH-10 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**9620**	mg/Kg	4.00

Sample: 225179 - AH-10 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**17000**	mg/Kg	4.00

Sample: 225180 - AH-10 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**14700**	mg/Kg	4.00

Sample: 225181 - AH-11 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225182 - AH-11 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**2830**	mg/Kg	4.00

Sample: 225183 - AH-11 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**5700**	mg/Kg	4.00

Sample: 225184 - AH-11 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**6140**	mg/Kg	4.00

Sample: 225185 - AH-11 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**8640**	mg/Kg	4.00

Sample: 225186 - AH-11 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**10500**	mg/Kg	4.00

Sample: 225187 - AH-11 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**29900**	mg/Kg	4.00

Sample: 225188 - AH-12 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225189 - AH-12 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225190 - AH-12 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 225191 - AH-12 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1250**	mg/Kg	4.00

Sample: 225192 - AH-12 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**4410**	mg/Kg	4.00

Sample: 225193 - AH-12 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**13200**	mg/Kg	4.00

Order #: 10031021

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 9

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
205108	3/5		S		X	AH-1 0-1'	1				X	
109						AH-1 1'-1.5'						
110						AH-1 2'-2.5'						
111						AH-1 3'-3.5'						
112						AH-1 4'-4.5'						
113						AH-2 0-1'						
114						AH-2 1'-1.5'						
115						AH-2 2'-2.5'						
116						AH-2 2.5'-3						
117						AH-3 0-1'						

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
	X											X				
	X															
	X															

RELINQUISHED BY: (Signature) — Date: 3/5/10 Time: 1610
RECEIVED BY: (Signature) — Date: 3/9/10 Time: 6:10

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) ST / TH / RG / SD — Date: 3/5/10 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.6°C intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run B BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #. 10031021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 8081/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225118	3/5		S		X	AH-3 1'-1.5'	1				X													X				
119						AH-3 2'-2.5'																							
120						AH-3 3'-3.5'																							
121						AH-3 4'-4.5'																							
122						AH-3 5'-5.5'																							
123						AH-4 0-1'								X															
124						AH-4 1'-1.5'																							
125						AH-4 2'-2.5'																							
126						AH-4 3'-3.5'																							
127						AH-4 4'-4.5'																							

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 3/5/10 Time: 1610 — RECEIVED BY: (Signature) — Date: 3/9/10 Time: 16:10

SAMPLED BY: (Print & Initial) JT / TH / RG / SD — Date: 3/5/10 Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX / HAND DELIVERED / BUS / UPS — AIRBILL #: — OTHER:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE: — RECEIVED BY: (Signature) — DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.0° C INTACT

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run B BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 100310 21

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-G400438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225128	3/5		S		X	AH-4 5'-5.5'	1				X															X				
129						AH-4 6'-6.5'																									
130						AH-4 7'-7.5'																									
131						AH-4 8'-8.5'																									
132						AH-4 9'-9.5'																									
133						AH-5 0-1'									X																
134						AH-5 1'-1.5'																									
135						AH-5 2'-2.5'																									
136						AH-5 3'-3.5'																									
137	↓		↓		↓	AH-5 4'-4.5'	↓				↓															↓				

RELINQUISHED BY: (Signature) Date: 3/5/10 Time: 1610
RECEIVED BY: (Signature) Date: 3/9/10 Time: 16:10
SAMPLED BY: (Print & Initial) JT / TH / EG / JD Date: 3/5/10 Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:
TETRA TECH CONTACT PERSON: Ike Tavarez
Results by:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.6° C Intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run 8 BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10031021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225138	3/5		S		X	AH-6 0-1'	1				X			X											X				
139						AH-6 1'-1.5'																							
140						AH-6 2'-2.5'																							
141						AH-6 3'-3.5'																							
142						AH-6 4'-4.5'																							
143						AH-6 5'-5.5'																							
144						AH-7 0-1'								X															
145						AH-7 1'-1.5'																							
146						AH-7 2'-2.5'																							
147						AH-7 3'-3.5'																							

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 3/4/10 Time: 1610 — RECEIVED BY: (Signature) — Date: 3/4/10 Time: 1610

SAMPLED BY: (Print & Initial) ST / TH / EG / JD — Date: 3/5/10 Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS — AIRBILL #: — OTHER:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RECEIVING LABORATORY: Trace — RECEIVED BY: (Signature)

ADDRESS: — CITY: Midland STATE: TX ZIP: — CONTACT: — PHONE: — DATE: — TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez — Results by: — RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.6°c intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run B BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10031021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 5 OF: 9

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD.	TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Aniona/Cations, pH, TDS
225148	3/5		S		X	AH-7 4'-4.5'	1				X															X				
149						AH-7 5'-5.5'																								
150						AH-7 6'-6.5'																								
151						AH-7 7'-7.5'																								
152						AH-7 8'-8.5'																								
153						AH-7 8.5'-9'																								
154						AH-8 0-1'									X															
155						AH-8 1'-1.5'																								
156						AH-8 2'-2.5'																								
157						AH-8 3'-3.5'																								

RELINQUISHED BY: (Signature) Date: 3/9/10 Time: 1610

RECEIVED BY: (Signature) Date: 3/9/10 Time: 1611

SAMPLED BY: (Print & Initial) ST / TH / EG / JD Date: 3/5/10 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.1° C intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run B BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10031021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 8081/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225158	3/6		S		X	AH-8 4'-4.5'	1				X													X				
159						AH-8 5'-5.5'																						
160						AH-8 6'-6.5'																						
161						AH-8 7'-7.5'																						
162						AH-8 8'-8.5'																						
163						AH-9 0-1'								X														
164						AH-9 1'-1.5'																						
165						AH-9 2'-2.5'																						
166						AH-9 3'-3.5'																						
167						AH-9 4'-4.5'																						

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 3/5/10 Time: 1610	RECEIVED BY: (Signature)	Date: 3/9/10 Time: 1610
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:

SAMPLED BY: (Print & Initial) ST / TH / EG / SD — Date: 3/5/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX / HAND DELIVERED / BUS / UPS — AIRBILL #: — OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes / No

SAMPLE CONDITION WHEN RECEIVED: 7.6c intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10031021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-L400438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
225168	3/5		S		X	AH-9 5'-5.5'	1				X	
169						AH-9 6'-6.5'						
170						AH-9 7'-7.5'						
171						AH-9 8'-8.5'						
172						AH-9 9'-9.5'						
173						AH-10 0-1'						
174						AH-10 1'-1.5'						
175						AH-10 2'-2.5'						
176						AH-10 3'-3.5'						
177						AH-10 4'-4.5'						

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 8081/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
	X											X				

RELINQUISHED BY: (Signature) — Date: 3/5/10 Time: 1610
RECEIVED BY: (Signature) — Date: 3/5/10 Time: 16:10
SAMPLED BY: (Print & Initial) JT / TH / RG / JD — Date: 3/5/10 Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:
TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.6° C intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run B BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 100 31021

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225178	3/5		S		X	AH-10 5'-5.5'	1				X															X				
179						AH-10 6'-6.5'																								
180						AH-10 7'-7.5'																								
181						AH-11 0-1'									X															
182						AH-11 1'-1.5'																								
183						AH-11 2'-2.5'																								
184						AH-11 3'-3.5'																								
185						AH-11 4'-4.5'																								
186						AH-11 5'-5.5'																								
187	↓		↓		↓	AH-11 6'-6.5'	↓				↓															↓				

RELINQUISHED BY: (Signature) — Date: 3/5/10 Time: 1620
RECEIVED BY: (Signature) — Date: 3/9/10 Time: 16:10

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) ST / TH / RG / SD — Date: 3/5/10 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.16°C intact

REMARKS: If total TPH exceeds 4,000 mg/kg, Run deeper samples / Run 8 BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Order #: 10031021

Analysis Request of Chain of Custody Record

PAGE: 9 OF: 9

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-L400438

PROJECT NAME: COG/ Rhino #1 TB
Lea Co. NM

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/808	Pest. 808/808	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
225188	3/5		S		X	AH-12 0-1'	1				X			X											X				
189						AH-12 1'-1.5'																							
190						AH-12 2'-2.5'																							
191						AH-12 3'-3.5'																							
192						AH-12 4'-4.5'																							
193						AH-12 5'-5.5'																							

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 3/5/10 JT	Time: 1610	RECEIVED BY: (Signature)	Date: 3/9/10	Time: 1115
RELINQUISHED BY: (Signature)	Date:	Time:	RECEIVED BY: (Signature)	Date:	Time:
RELINQUISHED BY: (Signature)	Date:	Time:	RECEIVED BY: (Signature)	Date:	Time:

SAMPLED BY: (Print & Initial) JT / TH / RG / JD — Date: 3/5/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS UPS HAND DELIVERED — AIRBILL #: — OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 7.1 °C intact

REMARKS: If total TPH exceeds 1,000 mg/kg, Run deeper samples / Run 8 BTEX on highest TPH

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 19, 2010

Work Order: 10080918

Project Location: Lea County, NM
Project Name: COG/Rhino #1 TB
Project Number: 114-6400438

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240207	SB-1 1'	soil	2010-08-05	00:00	2010-08-09
240208	SB-1 3'	soil	2010-08-05	00:00	2010-08-09
240209	SB-1 5'	soil	2010-08-05	00:00	2010-08-09
240210	SB-1 7'	soil	2010-08-05	00:00	2010-08-09
240211	SB-1 10'	soil	2010-08-05	00:00	2010-08-09
240212	SB-1 15'	soil	2010-08-05	00:00	2010-08-09
240213	SB-1 20'	soil	2010-08-05	00:00	2010-08-09
240214	SB-1 30'	soil	2010-08-05	00:00	2010-08-09
240215	SB-1 40'	soil	2010-08-05	00:00	2010-08-09
240216	SB-1 50'	soil	2010-08-05	00:00	2010-08-09
240217	SB-2 1'	soil	2010-08-05	00:00	2010-08-09
240218	SB-2 3'	soil	2010-08-05	00:00	2010-08-09
240219	SB-2 5'	soil	2010-08-05	00:00	2010-08-09
240220	SB-2 7'	soil	2010-08-05	00:00	2010-08-09
240221	SB-2 10'	soil	2010-08-05	00:00	2010-08-09
240222	SB-2 15'	soil	2010-08-05	00:00	2010-08-09
240223	SB-2 20'	soil	2010-08-05	00:00	2010-08-09
240224	SB-2 25'	soil	2010-08-05	00:00	2010-08-09
240225	SB-2 30'	soil	2010-08-05	00:00	2010-08-09
240226	SB-2 40'	soil	2010-08-05	00:00	2010-08-09
240227	SB-2 50'	soil	2010-08-05	00:00	2010-08-09
240228	SB-2 60'	soil	2010-08-05	00:00	2010-08-09
240229	SB-3 1'	soil	2010-08-05	00:00	2010-08-09
240230	SB-3 3'	soil	2010-08-05	00:00	2010-08-09
240231	SB-3 5'	soil	2010-08-05	00:00	2010-08-09
240232	SB-3 7'	soil	2010-08-05	00:00	2010-08-09
240233	SB-3 10'	soil	2010-08-05	00:00	2010-08-09
240234	SB-3 15'	soil	2010-08-05	00:00	2010-08-09
240235	SB-3 20'	soil	2010-08-05	00:00	2010-08-09
240236	SB-3 25'	soil	2010-08-05	00:00	2010-08-09

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240237	SB-3 30'	soil	2010-08-05	00:00	2010-08-09
240238	SB-3 40'	soil	2010-08-05	00:00	2010-08-09
240239	SB-3 50'	soil	2010-08-05	00:00	2010-08-09
240240	SB-4 1'	soil	2010-08-06	00:00	2010-08-09
240241	SB-4 3'	soil	2010-08-06	00:00	2010-08-09
240242	SB-4 5'	soil	2010-08-06	00:00	2010-08-09
240243	SB-4 7'	soil	2010-08-06	00:00	2010-08-09
240244	SB-4 10'	soil	2010-08-06	00:00	2010-08-09
240245	SB-4 15'	soil	2010-08-06	00:00	2010-08-09
240246	SB-4 20'	soil	2010-08-06	00:00	2010-08-09
240247	SB-4 25'	soil	2010-08-06	00:00	2010-08-09
240248	SB-5 1'	soil	2010-08-06	00:00	2010-08-09
240249	SB-5 3'	soil	2010-08-06	00:00	2010-08-09
240250	SB-5 5'	soil	2010-08-06	00:00	2010-08-09
240251	SB-5 7'	soil	2010-08-06	00:00	2010-08-09
240252	SB-5 10'	soil	2010-08-06	00:00	2010-08-09
240253	SB-5 15'	soil	2010-08-06	00:00	2010-08-09
240254	SB-5 20'	soil	2010-08-06	00:00	2010-08-09
240255	SB-5 25'	soil	2010-08-06	00:00	2010-08-09
240256	SB-5 30'	soil	2010-08-06	00:00	2010-08-09
240257	SB-5 40'	soil	2010-08-06	00:00	2010-08-09
240258	SB-5 50'	soil	2010-08-06	00:00	2010-08-09
240260	SB-6 1'	soil	2010-08-06	00:00	2010-08-09
240261	SB-6 3'	soil	2010-08-06	00:00	2010-08-09
240262	SB-6 5'	soil	2010-08-06	00:00	2010-08-09
240263	SB-6 7'	soil	2010-08-06	00:00	2010-08-09
240264	SB-6 10'	soil	2010-08-06	00:00	2010-08-09
240265	SB-6 15'	soil	2010-08-06	00:00	2010-08-09
240266	SB-6 20'	soil	2010-08-06	00:00	2010-08-09
240267	SB-6 25'	soil	2010-08-06	00:00	2010-08-09
240269	SB-7 1'	soil	2010-08-06	00:00	2010-08-09
240270	SB-7 3'	soil	2010-08-06	00:00	2010-08-09
240271	SB-7 5'	soil	2010-08-06	00:00	2010-08-09
240272	SB-7 7'	soil	2010-08-06	00:00	2010-08-09
240273	SB-7 10'	soil	2010-08-06	00:00	2010-08-09
240274	SB-7 15'	soil	2010-08-06	00:00	2010-08-09
240275	SB-7 20'	soil	2010-08-06	00:00	2010-08-09
240276	SB-7 25'	soil	2010-08-06	00:00	2010-08-09
240277	SB-7 30'	soil	2010-08-06	00:00	2010-08-09
240278	SB-7 40'	soil	2010-08-06	00:00	2010-08-09
240279	SB-7 50'	soil	2010-08-06	00:00	2010-08-09

Sample - Field Code	BTEX Benzene (mg/Kg)	BTEX Toluene (mg/Kg)	BTEX Ethylbenzene (mg/Kg)	BTEX Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
240207 - SB-1 1'					<50.0	<2.00
240217 - SB-2 1'	<0.200	<0.200	<0.200	<0.200	**16400**	**25.2**
240218 - SB-2 3'					<50.0	<2.00

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
240229 - SB-3 1'					<50.0	<2.00
240240 - SB-4 1'					<50.0	<2.00
240248 - SB-5 1'	<0.0200	<0.0200	<0.0200	<0.0200	**124**	<2.00
240260 - SB-6 1'	<0.200	<0.200	<0.200	<0.200	**6480**	**38.9**
240261 - SB-6 3'					**1570**	**41.0**
240269 - SB-7 1'	<0.0200	<0.0200	<0.0200	<0.0200	**213**	<2.00

Sample: 240207 - SB-1 1'

Param	Flag	Result	Units	RL
Chloride		**264**	mg/Kg	4.00

Sample: 240208 - SB-1 3'

Param	Flag	Result	Units	RL
Chloride		**378**	mg/Kg	4.00

Sample: 240209 - SB-1 5'

Param	Flag	Result	Units	RL
Chloride		**13700**	mg/Kg	4.00

Sample: 240210 - SB-1 7'

Param	Flag	Result	Units	RL
Chloride		**13700**	mg/Kg	4.00

Sample: 240211 - SB-1 10'

Param	Flag	Result	Units	RL
Chloride		**5340**	mg/Kg	4.00

Sample: 240212 - SB-1 15'

Param	Flag	Result	Units	RL
Chloride		**4430**	mg/Kg	4.00

Sample: 240213 - SB-1 20'

Param	Flag	Result	Units	RL
Chloride		**7010**	mg/Kg	4.00

Sample: 240214 - SB-1 30'

Param	Flag	Result	Units	RL
Chloride		**447**	mg/Kg	4.00

Sample: 240215 - SB-1 40'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240216 - SB-1 50'

Param	Flag	Result	Units	RL
Chloride		**412**	mg/Kg	4.00

Sample: 240217 - SB-2 1'

Param	Flag	Result	Units	RL
Chloride		**561**	mg/Kg	4.00

Sample: 240218 - SB-2 3'

Param	Flag	Result	Units	RL
Chloride		**508**	mg/Kg	4.00

Sample: 240219 - SB-2 5'

Param	Flag	Result	Units	RL
Chloride		**390**	mg/Kg	4.00

Sample: 240220 - SB-2 7'

Param	Flag	Result	Units	RL
Chloride		**14200**	mg/Kg	4.00

Sample: 240221 - SB-2 10'

Param	Flag	Result	Units	RL
Chloride		**12700**	mg/Kg	4.00

Sample: 240222 - SB-2 15'

Param	Flag	Result	Units	RL
Chloride		**8470**	mg/Kg	4.00

Sample: 240223 - SB-2 20'

Param	Flag	Result	Units	RL
Chloride		**7190**	mg/Kg	4.00

Sample: 240224 - SB-2 25'

Param	Flag	Result	Units	RL
Chloride		**1080**	mg/Kg	4.00

Sample: 240225 - SB-2 30'

Param	Flag	Result	Units	RL
Chloride		**1620**	mg/Kg	4.00

Sample: 240226 - SB-2 40'

Param	Flag	Result	Units	RL
Chloride		**390**	mg/Kg	4.00

Sample: 240227 - SB-2 50'

Param	Flag	Result	Units	RL
Chloride		**276**	mg/Kg	4.00

Sample: 240228 - SB-2 60'

Param	Flag	Result	Units	RL
Chloride		**418**	mg/Kg	4.00

Sample: 240229 - SB-3 1'

Param	Flag	Result	Units	RL
Chloride		**214**	mg/Kg	4.00

Sample: 240230 - SB-3 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240231 - SB-3 5'

Param	Flag	Result	Units	RL
Chloride		**567**	mg/Kg	4.00

Sample: 240232 - SB-3 7'

Param	Flag	Result	Units	RL
Chloride		**5180**	mg/Kg	4.00

Sample: 240233 - SB-3 10'

Param	Flag	Result	Units	RL
Chloride		**562**	mg/Kg	4.00

Sample: 240234 - SB-3 15'

Param	Flag	Result	Units	RL
Chloride		**413**	mg/Kg	4.00

Sample: 240235 - SB-3 20'

Param	Flag	Result	Units	RL
Chloride		**945**	mg/Kg	4.00

Sample: 240236 - SB-3 25'

Param	Flag	Result	Units	RL
Chloride		**463**	mg/Kg	4.00

Sample: 240237 - SB-3 30'

Param	Flag	Result	Units	RL
Chloride		**612**	mg/Kg	4.00

Sample: 240238 - SB-3 40'

Param	Flag	Result	Units	RL
Chloride		**304**	mg/Kg	4.00

Sample: 240239 - SB-3 50'

Param	Flag	Result	Units	RL
Chloride		**304**	mg/Kg	4.00

Sample: 240240 - SB-4 1'

Param	Flag	Result	Units	RL
Chloride		**1070**	mg/Kg	4.00

Sample: 240241 - SB-4 3'

Param	Flag	Result	Units	RL
Chloride		**2470**	mg/Kg	4.00

Sample: 240242 - SB-4 5'

Param	Flag	Result	Units	RL
Chloride		**7010**	mg/Kg	4.00

Sample: 240243 - SB-4 7'

Param	Flag	Result	Units	RL
Chloride		**9280**	mg/Kg	4.00

Sample: 240244 - SB-4 10'

Param	Flag	Result	Units	RL
Chloride		**17100**	mg/Kg	4.00

Sample: 240245 - SB-4 15'

Param	Flag	Result	Units	RL
Chloride		**7570**	mg/Kg	4.00

Sample: 240246 - SB-4 20'

Param	Flag	Result	Units	RL
Chloride		**394**	mg/Kg	4.00

Sample: 240247 - SB-4 25'

Param	Flag	Result	Units	RL
Chloride		**324**	mg/Kg	4.00

Sample: 240248 - SB-5 1'

Param	Flag	Result	Units	RL
Chloride		**4660**	mg/Kg	4.00

Sample: 240249 - SB-5 3'

Param	Flag	Result	Units	RL
Chloride		**1360**	mg/Kg	4.00

Sample: 240250 - SB-5 5'

Param	Flag	Result	Units	RL
Chloride		**19700**	mg/Kg	4.00

Sample: 240251 - SB-5 7'

Param	Flag	Result	Units	RL
Chloride		**9530**	mg/Kg	4.00

Sample: 240252 - SB-5 10'

Param	Flag	Result	Units	RL
Chloride		**9870**	mg/Kg	4.00

Sample: 240253 - SB-5 15'

Param	Flag	Result	Units	RL
Chloride		**3960**	mg/Kg	4.00

Sample: 240254 - SB-5 20'

Param	Flag	Result	Units	RL
Chloride		**1080**	mg/Kg	4.00

Sample: 240255 - SB-5 25'

Param	Flag	Result	Units	RL
Chloride		**1600**	mg/Kg	4.00

Sample: 240256 - SB-5 30'

Param	Flag	Result	Units	RL
Chloride		**1170**	mg/Kg	4.00

Sample: 240257 - SB-5 40'

Param	Flag	Result	Units	RL
Chloride		**476**	mg/Kg	4.00

Sample: 240258 - SB-5 50'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240260 - SB-6 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240261 - SB-6 3'

Param	Flag	Result	Units	RL
Chloride		**9850**	mg/Kg	4.00

Sample: 240262 - SB-6 5'

Param	Flag	Result	Units	RL
Chloride		**15800**	mg/Kg	4.00

Sample: 240263 - SB-6 7'

Param	Flag	Result	Units	RL
Chloride		**8010**	mg/Kg	4.00

Sample: 240264 - SB-6 10'

Param	Flag	Result	Units	RL
Chloride		**1380**	mg/Kg	4.00

Sample: 240265 - SB-6 15'

Param	Flag	Result	Units	RL
Chloride		**1150**	mg/Kg	4.00

Sample: 240266 - SB-6 20'

Param	Flag	Result	Units	RL
Chloride		**573**	mg/Kg	4.00

Sample: 240267 - SB-6 25'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240269 - SB-7 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240270 - SB-7 3'

Param	Flag	Result	Units	RL
Chloride		**345**	mg/Kg	4.00

Sample: 240271 - SB-7 5'

Param	Flag	Result	Units	RL
Chloride		**12400**	mg/Kg	4.00

Sample: 240272 - SB-7 7'

Param	Flag	Result	Units	RL
Chloride		**10800**	mg/Kg	4.00

Sample: 240273 - SB-7 10'

Param	Flag	Result	Units	RL
Chloride		**5360**	mg/Kg	4.00

Sample: 240274 - SB-7 15'

Param	Flag	Result	Units	RL
Chloride		**5660**	mg/Kg	4.00

Sample: 240275 - SB-7 20'

Param	Flag	Result	Units	RL
Chloride		**4930**	mg/Kg	4.00

Sample: 240276 - SB-7 25'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240277 - SB-7 30'

Param	Flag	Result	Units	RL
Chloride		**496**	mg/Kg	4.00

Sample: 240278 - SB-7 40'

Param	Flag	Result	Units	RL
Chloride		**277**	mg/Kg	4.00

Sample: 240279 - SB-7 50'

Param	Flag	Result	Units	RL
Chloride		**332**	mg/Kg	4.00

WO #: 100880918

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 8

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

see co. HM.

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240207	8/5		S		X	SB-1 1'	1				X		X	X											X				
208						SB-1 3'	1				X														X				
209						SB-1 5'	1				X														X				
210						SB-1 7'	1				X														X				
211						SB-1 10'	1				X														X				
212						SB-1 15'	1				X														X				
213						SB-1 20'	1				X														X				
214						SB-1 30'	1				X														X				
215						SB-1 40'	1				X														X				
216						SB-1 50'	1				X														X				

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 11:10

RECEIVED BY: (Signature) Date: 8/9/10 Time: 11:10

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Carol Fox Date: 8-12-10 Time: 9:15

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) 3.9/4.3 Date: Time:

SAMPLED BY: (Print & Initial) Kim Date: 8/5/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS UPS HAND DELIVERED AIRBILL #: OTHER:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0°c intact

REMARKS: If TPH > 5000 mg/kg Run deeper samples (US ZK302095)

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO #: 10080918

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-G10043B

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240217	8/5		S		X	SB-2 1'	1				X			X											X				
218						SB-2 3'	1				X														X				
219						SB-2 5'	1				X														X				
220						SB-2 7'	1				X														X				
221						SB-2 10'	1				X														X				
222						SB-2 15'	1				X														X				
223						SB-2 20'	1				X														X				
224						SB-2 25'	1				X														X				
225						SB-2 30'	1				X														X				
226						SB-2 40'	1				X														X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 8-9-10 Time: 1110	RECEIVED BY: (Signature)	Date: 8/9/10 Time: 1110
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature) Carol Fox	Date: 8-12-10 Time: 9:15
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature) 3.9/4.3 IR	Date: Time:

SAMPLED BY: (Print & Initial) Kim — Date: 8/5/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS — AIRBILL #: — OTHER:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4w°c intact

REMARKS: If TPH > 5,000 mg/kg Run deeper samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO #: 100809 18

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240227	8/5		S		X	SB-2 50'	1				X													X				
228						SB-2 60'	1				X													X				
229						SB-3 1'	1				X			X										X				
230						SB-3 3'	1				X													X				
231						SB-3 5'	1				X													X				
232						SB-3 7'	1				X													X				
233						SB-3 10'	1				X													X				
234						SB-3 15'	1				X													X				
235						SB-3 20'	1				X													X				
236						SB-3 25'	1				X													X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 1110

RECEIVED BY: (Signature) Date: 8.9.10 Time: 1110

SAMPLED BY: (Print & Initial) Kim Date: 8/5/10 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Carol Fox Date: 8-12-10 Time: 9:15

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) 3.9/4.3 IR Date: Time:

RECEIVING LABORATORY: TRACE

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0c intact

REMARKS: IR TPH > 5,000 mg/kg Run deeper samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO #: 100810918

Analysis Request of Chain of Custody Record

PAGE: 4 OF: 8

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD / TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240237	8/5		S		X	SB-3 30'	1				X													X				
238	8/5					SB-3 40'	1				X													X				
239	8/5					SB-3 50'	1				X													X				
240	8/6					SB-4 1'	1				X			X										X				
241						SB-4 3'	1				X													X				
242						SB-4 5'	1				X													X				
243						SB-4 7'	1				X													X				
244						SB-4 10'	1				X													X				
245						SB-4 15'	1				X													X				
246						SB-4 20'	1				X													X				

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 1110

RECEIVED BY: (Signature) Date: 8/9/10 Time: 11:10

SAMPLED BY: (Print & Initial) Kim Date: 8/5/10 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Cam Fox Date: 8-12-10 Time: 9:15

SAMPLE SHIPPED BY: (Circle) FEDEX / HAND DELIVERED / BUS / UPS AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) 3.9/4.3 IR Date: Time:

RECEIVING LABORATORY: TRACE

ADDRESS: CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature) DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0°c intact

REMARKS: IR TPH > 5,000 mg/kg Run deeper samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO#: 10080918

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240247	8/6		S		X	SB-4 25'	1				X			X											X				
248						SB-5 1'	1				X			X											X				
249						SB-5 3'	1				X														X				
250						SB-5 5'	1				X														X				
251						SB-5 7'	1				X														X				
252						SB-5 10'	1				X														X				
253						SB-5 15'	1				X														X				
254						SB-5 20'	1				X														X				
255						SB-5 25'	1				X														X				
256						SB-5 30'	1				X														X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 1113
RECEIVED BY: (Signature) Date: 8/9/10 Time: 1:10
SAMPLED BY: (Print & Initial) Kim Date: 8/6/10 Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Carol Fox Date: 8-12-10 Time: 9:15
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS
AIRBILL #:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) 3.9/4.3 IR Date: Time:
OTHER:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:
TETRA TECH CONTACT PERSON: Ike Tavarez
Results by:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0°C intact

REMARKS: IF TPH > 5,000 mg/kg Run deeper Samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO #: 10080918

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD (Ext. to C35)	TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240257	8/6		S		X	SB-5 40'	1				X															X				
258						SB-5 50'	1				X															X				
259						SB-5 60'	1				X																			
260						SB-6 1'	1				X			X												X				
261						SB-6 3'	1				X															X				
262						SB-6 5'	1				X															X				
263						SB-6 7'	1				X															X				
264						SB-6 10'	1				X															X				
265						SB-6 15'	1				X															X				
266						SB-6 20'	1				X															X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 1113
RECEIVED BY: (Signature) Date: 8/9/10 Time: 1110

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Carol Fox Date: 8-12-10 Time: 9:15

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) 3.9/4.3 Date: Time:

SAMPLED BY: (Print & Initial) Kim Date: 8/6/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0°C intact

REMARKS: If TPH > 5,000 mg/kg Run depor Samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO#: 1009098

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6400438

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240267	8/6		S		X	SB-6 25'	1				X															X				
268						SB-6 30'	1				X															X				
269						SB-7 1'	1				X			X												X				
270						SB-7 3'	1				X															X				
271						SB-7 5'	1				X															X				
272						SB-7 7'	1				X															X				
273						SB-7 10'	1				X															X				
274						SB-7 15'	1				X															X				
275						SB-7 20'	1				X															X				
276						SB-7 25'	1				X															X				

RELINQUISHED BY: (Signature) Date: 8-9-10 Time: 1113
RECEIVED BY: (Signature) Date: 8/9/10 Time: 1140
SAMPLED BY: (Print & Initial) Kim Date: 8/6/10 Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Carol Fox Date: 8-12-10 Time: 9:15
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) 3.9/4.3 IR Date: Time:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0° c intact

REMARKS: If TPH > 5000 mg/kg Run deeper Samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

WO #: T0080918

Analysis Request of Chain of Custody Record

PAGE: 8 OF: 8

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6410 0438

PROJECT NAME: COG / Rhino

LAB I.D. NUMBER	DATE 2010	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
240277	8/6		S		X	SB-7 30'	1				X													X				
278	"		"		"	SB-7 40'	1				X													X				
279	"		"		"	SB-7 50'	1				X													X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 8-9-10 Time: 1113 — RECEIVED BY: (Signature) — Date: 8/9/10 Time: 11:10

RELINQUISHED BY: (Signature) — Date: — Time: — RECEIVED BY: (Signature) Carol Fox — Date: 8-12-10 Time: 9:15

RELINQUISHED BY: (Signature) — Date: — Time: — RECEIVED BY: (Signature) 3.9/4.3 IR — Date: — Time:

SAMPLED BY: (Print & Initial) Kim — Date: 8/6/10 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS — AIRBILL #: — OTHER:

RECEIVING LABORATORY: TRACE
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4.0 c intact

REMARKS: If TPH > 5,000 mg/kg Run deeper samples

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run BTEX on (4) Highest TPH

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 25, 2010

Work Order: 10081108

Project Location: Lea County, NM
Project Name: COG/Rhino #1 TB
Project Number: 114-6400438

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240477	SB-8 1'	soil	2010-08-09	00:00	2010-08-10
240478	SB-8 3'	soil	2010-08-09	00:00	2010-08-10
240479	SB-8 5'	soil	2010-08-09	00:00	2010-08-10
240480	SB-8 7'	soil	2010-08-09	00:00	2010-08-10
240481	SB-8 10'	soil	2010-08-09	00:00	2010-08-10
240482	SB-8 15'	soil	2010-08-09	00:00	2010-08-10
240483	SB-8 20'	soil	2010-08-09	00:00	2010-08-10
240484	SB-8 25'	soil	2010-08-09	00:00	2010-08-10
240485	SB-8 30'	soil	2010-08-09	00:00	2010-08-10
240487	SB-9 1'	soil	2010-08-09	00:00	2010-08-10
240488	SB-9 3'	soil	2010-08-09	00:00	2010-08-10
240489	SB-9 5'	soil	2010-08-09	00:00	2010-08-10
240490	SB-9 7'	soil	2010-08-09	00:00	2010-08-10
240491	SB-9 10'	soil	2010-08-09	00:00	2010-08-10
240492	SB-9 15'	soil	2010-08-09	00:00	2010-08-10
240493	SB-9 20'	soil	2010-08-09	00:00	2010-08-10
240494	SB-9 25'	soil	2010-08-09	00:00	2010-08-10
240496	SB-10 1'	soil	2010-08-09	00:00	2010-08-10
240497	SB-10 3'	soil	2010-08-09	00:00	2010-08-10
240498	SB-10 5'	soil	2010-08-09	00:00	2010-08-10
240499	SB-10 7'	soil	2010-08-09	00:00	2010-08-10
240500	SB-10 10'	soil	2010-08-09	00:00	2010-08-10
240501	SB-10 15'	soil	2010-08-09	00:00	2010-08-10
240502	SB-10 20'	soil	2010-08-09	00:00	2010-08-10
240503	SB-10 25'	soil	2010-08-09	00:00	2010-08-10
240504	SB-10 30'	soil	2010-08-09	00:00	2010-08-10
240505	SB-10 40'	soil	2010-08-09	00:00	2010-08-10
240506	SB-10 50'	soil	2010-08-09	00:00	2010-08-10
240507	SB-11 1'	soil	2010-08-09	00:00	2010-08-10
240508	SB-11 3'	soil	2010-08-09	00:00	2010-08-10

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
240509	SB-11 5'	soil	2010-08-09	00:00	2010-08-10
240510	SB-11 7'	soil	2010-08-09	00:00	2010-08-10
240511	SB-11 10'	soil	2010-08-09	00:00	2010-08-10
240512	SB-11 15'	soil	2010-08-09	00:00	2010-08-10
240513	SB-11 20'	soil	2010-08-09	00:00	2010-08-10
240514	SB-11 25'	soil	2010-08-09	00:00	2010-08-10
240515	SB-11 30'	soil	2010-08-09	00:00	2010-08-10
240516	SB-11 40'	soil	2010-08-09	00:00	2010-08-10
240517	SB-11 50'	soil	2010-08-09	00:00	2010-08-10
240518	SB-12 1'	soil	2010-08-09	00:00	2010-08-10
240519	SB-12 3'	soil	2010-08-09	00:00	2010-08-10
240520	SB-12 5'	soil	2010-08-09	00:00	2010-08-10
240521	SB-12 7'	soil	2010-08-09	00:00	2010-08-10
240522	SB-12 10'	soil	2010-08-09	00:00	2010-08-10
240523	SB-12 15'	soil	2010-08-09	00:00	2010-08-10
240524	SB-12 20'	soil	2010-08-09	00:00	2010-08-10
240525	SB-12 25'	soil	2010-08-09	00:00	2010-08-10
240526	SB-12 30'	soil	2010-08-09	00:00	2010-08-10
240527	SB-13 1'	soil	2010-08-09	00:00	2010-08-10
240528	SB-13 3'	soil	2010-08-09	00:00	2010-08-10
240529	SB-13 5'	soil	2010-08-09	00:00	2010-08-10
240530	SB-13 7'	soil	2010-08-09	00:00	2010-08-10
240531	SB-13 10'	soil	2010-08-09	00:00	2010-08-10
240532	SB-13 15'	soil	2010-08-09	00:00	2010-08-10
240533	SB-13 20'	soil	2010-08-09	00:00	2010-08-10
240534	SB-14 1'	soil	2010-08-10	00:00	2010-08-10
240535	SB-14 3'	soil	2010-08-10	00:00	2010-08-10
240536	SB-14 5'	soil	2010-08-10	00:00	2010-08-10
240537	SB-14 7'	soil	2010-08-10	00:00	2010-08-10
240538	SB-14 10'	soil	2010-08-10	00:00	2010-08-10
240539	SB-14 15'	soil	2010-08-10	00:00	2010-08-10
240540	SB-14 20'	soil	2010-08-10	00:00	2010-08-10
240541	SB-14 25'	soil	2010-08-10	00:00	2010-08-10
240542	SB-14 30'	soil	2010-08-10	00:00	2010-08-10
240543	SB-14 40'	soil	2010-08-10	00:00	2010-08-10
240545	SB-15 1'	soil	2010-08-10	00:00	2010-08-10
240546	SB-15 3'	soil	2010-08-10	00:00	2010-08-10
240547	SB-15 5'	soil	2010-08-10	00:00	2010-08-10
240548	SB-15 7'	soil	2010-08-10	00:00	2010-08-10
240549	SB-15 10'	soil	2010-08-10	00:00	2010-08-10
240550	SB-15 15'	soil	2010-08-10	00:00	2010-08-10
240551	SB-15 20'	soil	2010-08-10	00:00	2010-08-10
240552	SB-16 1'	soil	2010-08-10	00:00	2010-08-10
240553	SB-16 3'	soil	2010-08-10	00:00	2010-08-10
240554	SB-16 5'	soil	2010-08-10	00:00	2010-08-10
240555	SB-16 7'	soil	2010-08-10	00:00	2010-08-10
240556	SB-16 10'	soil	2010-08-10	00:00	2010-08-10

Sample - Field Code	BTEX Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
240477 - SB-8 1'	<0.0200	<0.0200	<0.0200	<0.0200	**7360**	<100
240478 - SB-8 3'					**487**	**17.0**
240487 - SB-9 1'	<0.400	<0.400	**0.554**	**1.42**	**5170**	**507**
240488 - SB-9 3'					**68.1**	**3.31**
240496 - SB-10 1'	<0.200	<0.200	<0.200	<0.200	**1510**	**35.7**
240507 - SB-11 1'	<1.00	<1.00	<1.00	<1.00	**5140**	<100
240508 - SB-11 3'					**221**	<2.00
240518 - SB-12 1'	<1.00	<1.00	<1.00	<1.00	**8380**	**125**
240519 - SB-12 3'					**6130**	**1610**
240520 - SB-12 5'					**268**	<2.00
240527 - SB-13 1'	<0.0200	<0.0200	<0.0200	<0.0200	**208**	<2.00
240534 - SB-14 1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
240545 - SB-15 1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	<2.00
240552 - SB-16 1'					<50.0	<2.00

Sample: 240477 - SB-8 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240478 - SB-8 3'

Param	Flag	Result	Units	RL
Chloride		**1030**	mg/Kg	4.00

Sample: 240479 - SB-8 5'

Param	Flag	Result	Units	RL
Chloride		**1840**	mg/Kg	4.00

Sample: 240480 - SB-8 7'

Param	Flag	Result	Units	RL
Chloride		**12800**	mg/Kg	4.00

Sample: 240481 - SB-8 10'

Param	Flag	Result	Units	RL
Chloride		**6830**	mg/Kg	4.00

Sample: 240482 - SB-8 15'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240483 - SB-8 20'

Param	Flag	Result	Units	RL
Chloride		**731**	mg/Kg	4.00

Sample: 240484 - SB-8 25'

Param	Flag	Result	Units	RL
Chloride		**214**	mg/Kg	4.00

Sample: 240485 - SB-8 30'

Param	Flag	Result	Units	RL
Chloride		**245**	mg/Kg	4.00

Sample: 240487 - SB-9 1'

Param	Flag	Result	Units	RL
Chloride		**204**	mg/Kg	4.00

Sample: 240488 - SB-9 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240489 - SB-9 5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240490 - SB-9 7'

Param	Flag	Result	Units	RL
Chloride		**14200**	mg/Kg	4.00

Sample: 240491 - SB-9 10'

Param	Flag	Result	Units	RL
Chloride		**10300**	mg/Kg	4.00

Sample: 240492 - SB-9 15'

Param	Flag	Result	Units	RL
Chloride		**6330**	mg/Kg	4.00

Sample: 240493 - SB-9 20'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240494 - SB-9 25'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240496 - SB-10 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240497 - SB-10 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240498 - SB-10 5'

Param	Flag	Result	Units	RL
Chloride		**2370**	mg/Kg	4.00

Sample: 240499 - SB-10 7'

Param	Flag	Result	Units	RL
Chloride		**4710**	mg/Kg	4.00

Sample: 240500 - SB-10 10'

Param	Flag	Result	Units	RL
Chloride		**23200**	mg/Kg	4.00

Sample: 240501 - SB-10 15'

Param	Flag	Result	Units	RL
Chloride		**11700**	mg/Kg	4.00

Sample: 240502 - SB-10 20'

Param	Flag	Result	Units	RL
Chloride		**8830**	mg/Kg	4.00

Sample: 240503 - SB-10 25'

Param	Flag	Result	Units	RL
Chloride		**6820**	mg/Kg	4.00

Sample: 240504 - SB-10 30'

Param	Flag	Result	Units	RL
Chloride		**1470**	mg/Kg	4.00

Sample: 240505 - SB-10 40'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240506 - SB-10 50'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240507 - SB-11 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240508 - SB-11 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240509 - SB-11 5'

Param	Flag	Result	Units	RL
Chloride		**899**	mg/Kg	4.00

Sample: 240510 - SB-11 7'

Param	Flag	Result	Units	RL
Chloride		**2340**	mg/Kg	4.00

Sample: 240511 - SB-11 10'

Param	Flag	Result	Units	RL
Chloride		**6880**	mg/Kg	4.00

Sample: 240512 - SB-11 15'

Param	Flag	Result	Units	RL
Chloride		**3260**	mg/Kg	4.00

Sample: 240513 - SB-11 20'

Param	Flag	Result	Units	RL
Chloride		**4750**	mg/Kg	4.00

Sample: 240514 - SB-11 25'

Param	Flag	Result	Units	RL
Chloride		**326**	mg/Kg	4.00

Sample: 240515 - SB-11 30'

Param	Flag	Result	Units	RL
Chloride		**221**	mg/Kg	4.00

Sample: 240516 - SB-11 40'

Param	Flag	Result	Units	RL
Chloride		**257**	mg/Kg	4.00

Sample: 240517 - SB-11 50'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240518 - SB-12 1'

Param	Flag	Result	Units	RL
Chloride		**336**	mg/Kg	4.00

Sample: 240519 - SB-12 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240520 - SB-12 5'

Param	Flag	Result	Units	RL
Chloride		**457**	mg/Kg	4.00

Sample: 240521 - SB-12 7'

Param	Flag	Result	Units	RL
Chloride		**16200**	mg/Kg	4.00

Sample: 240522 - SB-12 10'

Param	Flag	Result	Units	RL
Chloride		**13000**	mg/Kg	4.00

Sample: 240523 - SB-12 15'

Param	Flag	Result	Units	RL
Chloride		**1310**	mg/Kg	4.00

Sample: 240524 - SB-12 20'

Param	Flag	Result	Units	RL
Chloride		**781**	mg/Kg	4.00

Sample: 240525 - SB-12 25'

Param	Flag	Result	Units	RL
Chloride		**225**	mg/Kg	4.00

Sample: 240526 - SB-12 30'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240527 - SB-13 1'

Param	Flag	Result	Units	RL
Chloride		**378**	mg/Kg	4.00

Sample: 240528 - SB-13 3'

Param	Flag	Result	Units	RL
Chloride		**347**	mg/Kg	4.00

Sample: 240529 - SB-13 5'

Param	Flag	Result	Units	RL
Chloride		**8320**	mg/Kg	4.00

Sample: 240530 - SB-13 7'

Param	Flag	Result	Units	RL
Chloride		**11100**	mg/Kg	4.00

Sample: 240531 - SB-13 10'

Param	Flag	Result	Units	RL
Chloride		**2150**	mg/Kg	4.00

Sample: 240532 - SB-13 15'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240533 - SB-13 20'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240534 - SB-14 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240535 - SB-14 3'

Param	Flag	Result	Units	RL
Chloride		**452**	mg/Kg	4.00

Sample: 240536 - SB-14 5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240537 - SB-14 7'

Param	Flag	Result	Units	RL
Chloride		**16100**	mg/Kg	4.00

Sample: 240538 - SB-14 10'

Param	Flag	Result	Units	RL
Chloride		**14400**	mg/Kg	4.00

Sample: 240539 - SB-14 15'

Param	Flag	Result	Units	RL
Chloride		**13800**	mg/Kg	4.00

Sample: 240540 - SB-14 20'

Param	Flag	Result	Units	RL
Chloride		**13400**	mg/Kg	4.00

Sample: 240541 - SB-14 25'

Param	Flag	Result	Units	RL
Chloride		**8940**	mg/Kg	4.00

Sample: 240542 - SB-14 30'

Param	Flag	Result	Units	RL
Chloride		**4580**	mg/Kg	4.00

Sample: 240543 - SB-14 40'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240545 - SB-15 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240546 - SB-15 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240547 - SB-15 5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240548 - SB-15 7'

Param	Flag	Result	Units	RL
Chloride		**2640**	mg/Kg	4.00

Sample: 240549 - SB-15 10'

Param	Flag	Result	Units	RL
Chloride		**1030**	mg/Kg	4.00

Sample: 240550 - SB-15 15'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240551 - SB-15 20'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240552 - SB-16 1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240553 - SB-16 3'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240554 - SB-16 5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240555 - SB-16 7'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00

Sample: 240556 - SB-16 10'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4.00