

Bratcher, Mike, EMNRD

From: Vernon Black [vernon@hungry-horse.com]
Sent: Monday, June 06, 2011 8:06 AM
To: Bratcher, Mike, EMNRD; jafrye@blm.gov
Cc: Kelton_Beaird@oxy.com
Subject: Request for Closure
Attachments: Cimarron 23 Fed #1 Info.pdf

Cimarron 23 Fed #1
API 30-015-33410
2RP-777
Lease NM 11038

Good Morning Gentlemen,

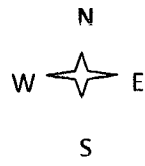
Please see the attachment for info regarding this request for closure at OXY's Cimarron 23 Fed #1. As a reminder, all released fluids remained inside the walls of the battery and nothing outside the battery walls was affected.
Depth to groundwater is 100', based upon the Eddy County Depth to Groundwater Map.

The affected areas inside the battery were the east, south and west sides of the battery. The affected areas have been excavated to a depth of approximately 4' BGS. Soil samples were obtained from 5 sample points with both field test and lab analysis conducted on the samples. See the attached chart (chloride results) and sketch for corresponding sample points. The presence of TPH and BTEX was eliminated at approximately 3' BGS. Sample points 2 & 3 were the points of concern with the field test indicating higher levels of chlorides than the adjacent points. Delineation of these two points was conducted until field test indicated levels at or below closure levels at which point these samples were taken to the lab for analysis.

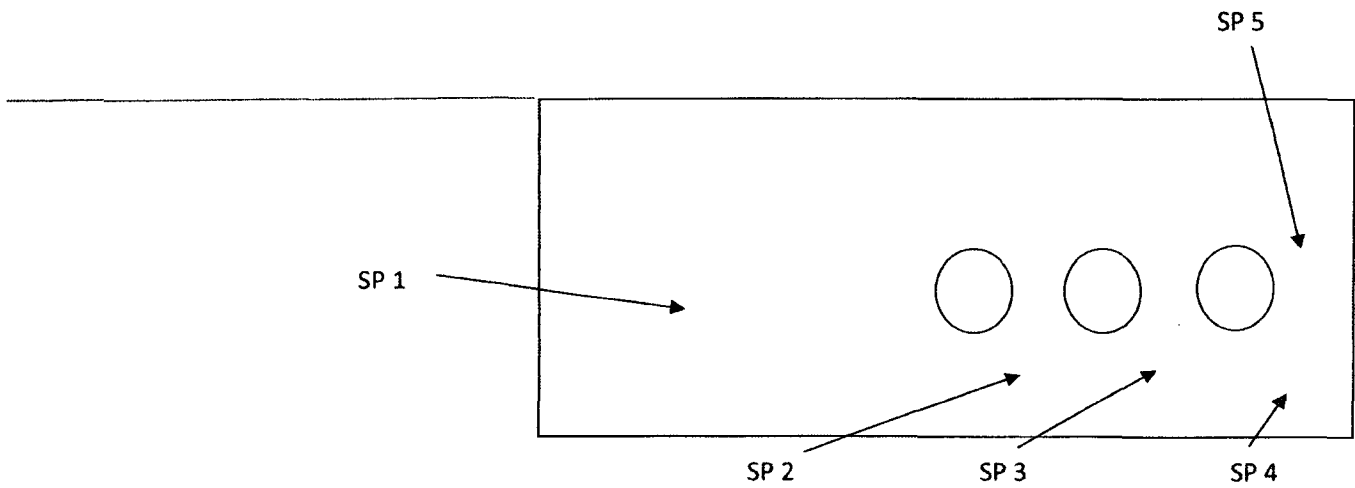
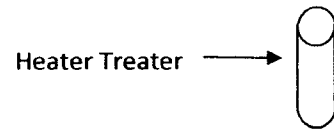
Based upon the information provided, I am requesting permission for closure and backfill of the excavated area. Upon approval, a final C 141 will be submitted with supporting documentation.

Please feel free to call if you have any questions regarding this project.

Thanks,
Vernon K. Black
H.S.E.
Hungry Horse, LLC
Hobbs, NM
575 393 3386 office
575 631 2253 cell



OXY's Cimarron 23 Fed #1



	Sample Point 1	Sample Point 2	Sample Point 3	Sample Point 4	Sample Point 5
Depth 1' BGS	10,038 ppm	6,624 ppm		206 ppm	206 ppm
3' BGS	474 ppm	3,972 ppm			590 ppm
4' BGS	464 ppm	>3,000 ppm	>3,000 ppm	176 ppm	368ppm
6' BGS		8,38 ppm	1,770 ppm		
8' BGS		550 ppm	1502 ppm		
10' BGS		550 ppm	406 ppm		
12' BGS		416 ppm	48 ppm		

OXY's Cimarron 23 Fed #1 Delineation

LAB RESULTS ARE IN GREEN

FIELD TEST RESULTS ARE IN BLACK



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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/26/2011
Reported: 06/01/2011
Project Name: CIMARRON 23 FED #1
Project Number: 3FT BGS TANK BATTERY
Project Location: EDDY COUNTY, NM

Sampling Date: 05/25/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 (H101087-01)

BTX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65		
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21		
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69		
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97		

Surrogate: 4-Bromofluorobenzene (PIL) 86.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	05/27/2011	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/28/2011	ND	172	85.9	200	9.14		
DRO >C10-C28	<10.0	10.0	05/28/2011	ND	159	79.5	200	8.55		

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 104 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/27/2011
Reported: 06/01/2011
Project Name: CIMARRON 23 FED #1
Project Number: NONE GIVEN
Project Location: EDDY COUNTY, NM

Sampling Date: 05/26/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 12' BGS (H101098-01)

BTEX 8021B			mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65		
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21		
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69		
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97		

Surrogate: 4-Bromofluorobenzene (PIE) 95.5 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/27/2011	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/29/2011	ND	172	85.9	200	9.14	
DRO >C10-C28	<10.0	10.0	05/29/2011	ND	159	79.5	200	8.55	

Surrogate: 1-Chlorooctane 91.4 % 70-130

Surrogate: 1-Chlorooctadecane 110 % 70-130

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/26/2011
Reported: 06/01/2011
Project Name: CIMARRON 23 FED #1
Project Number: 3FT BGS TANK BATTERY
Project Location: EDDY COUNTY, NM

Sampling Date: 05/25/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 (H101087-02)

BTEX 8021B			mg/kg							Analyzed By: CMS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65			
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21			
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69			
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97			

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 70-130

TPH 8015M			mg/kg							Analyzed By: AB	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/28/2011	ND	172	85.9	200	9.14			
DRO >C10-C28	69.9	10.0	05/28/2011	ND	159	79.5	200	8.55			

Surrogate: 1-Chlorooctane 112 % 70-130

Surrogate: 1-Chlorooctadecane 107 % 70-130

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received:	05/27/2011	Sampling Date:	05/26/2011
Reported:	06/01/2011	Sampling Type:	Soil
Project Name:	CIMARRON 23 FED #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 12' BGS (H101098-02)

BTEx 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65		
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21		
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69		
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97		

Surrogate: 4-Bromofluorobenzene (PIL) 95.3 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/27/2011	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/29/2011	ND	172	85.9	200	9.14		
DRO >C10-C28	<10.0	10.0	05/29/2011	ND	159	79.5	200	8.55		

Surrogate: 1-Chlorooctane 110 % 70-130

Surrogate: 1-Chlorooctadecane 104 % 70-130

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/26/2011
Reported: 06/01/2011
Project Name: CIMARRON 23 FED #1
Project Number: 3FT BGS TANK BATTERY
Project Location: EDDY COUNTY, NM

Sampling Date: 05/25/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 (H101087-03)

BTX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65		
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21		
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69		
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97		

Surrogate: 4-Bromofluorobenzene (PIL) 94.6 % 70-130

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/28/2011	ND	172	85.9	200	9.14		
DRO >C10-C28	62.1	10.0	05/28/2011	ND	159	79.5	200	8.55		

Surrogate: 1-Chlorooctane 108 % 70-130

Surrogate: 1-Chlorooctadecane 107 % 70-130

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Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 05/26/2011
 Reported: 06/01/2011
 Project Name: CIMARRON 23 FED #1
 Project Number: 3FT BGS TANK BATTERY
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/25/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 (H101087-04)

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65	
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69	
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97	

Surrogate: 4-Bromofluorobenzene (PIE) 91.0 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/27/2011	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/31/2011	ND	172	85.9	200	9.14	
DRO >C10-C28	59.1	10.0	05/31/2011	ND	159	79.5	200	8.55	

Surrogate: 1-Chlorooctane 116 % 70-130

Surrogate: 1-Chlorooctadecane 108 % 70-130

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Analytical Results For:

Hungry Horse Environmental
VERNON BLACK
P.O. Box 1058
Hobbs NM, 88240
Fax To: (505) 391-4585

Received: 05/26/2011
Reported: 06/01/2011
Project Name: CIMARRON 23 FED #1
Project Number: 3FT BGS TANK BATTERY
Project Location: EDDY COUNTY, NM

Sampling Date: 05/25/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 5 (H101087-05)

BTEX 80218		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2011	ND	2.01	100	2.00	3.65	
Toluene*	<0.050	0.050	05/27/2011	ND	1.95	97.7	2.00	4.21	
Ethylbenzene*	<0.050	0.050	05/27/2011	ND	1.98	99.0	2.00	3.69	
Total Xylenes*	<0.150	0.150	05/27/2011	ND	5.86	97.7	6.00	3.97	

Surrogate: 4-Bromofluorobenzene (PIL) 96.9 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/27/2011	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2011	ND	172	85.9	200	9.14	
DRO >C10-C28	<10.0	10.0	05/28/2011	ND	159	79.5	200	8.55	

Surrogate: 1-Chlorooctane 115 % 70-130

Surrogate: 1-Chlorooctadecane 114 % 70-130

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