Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.
I-22-IND-2772

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name
Ute mountain Ute ~~Southern Ute~~

SUBMIT IN TRIPLICATE *- Other instructions on page 2.*

7. If Unit of CA/Agreement, Name and/or No.

RCVD MAR 7 '13
OIL CONS. DIV.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Ute #251. 3

2. Name of Operator
Burlington Resources Oil & Gas Company LP

9. API Well No.
30-045-11426

3a. Address
PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)
(505) 326-9700

10. Field and Pool or Exploratory Area
Barker Dome Paradox

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Unit F (SENW), Sec. 16, T32N, R14W, 2708' FSL & 1608' FWL

11. Country or Parish, State
San Juan , New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other **Spill Notification &**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	**Remediation Plans**
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

On 12/3/2012 at 5:15am a 39bbls produced water release was discovered on the subject well caused by an eqaulizer line between tank # 1 and tank # 2 becoming plugged and causing tank #1 to overflow through the thief hatch. Soil sampling was conducted by a third party and those laboratory results are attached. A field visit was conducted on 12/4/2012 with COBLM (Ryan Joyner). Remediation plans are to treat the soil in place and conduct confirmation sampling in the future. A final report will be sumitted at a later date.

ACCEPTED FOR RECORD
By: DWC 2/27/13
San Juan Resource Area
Bureau of Land Management

RECEIVED
JAN 14 2013
Bureau of Land Management
Durango, Colorado

Accepted for Record SP

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
Crystal Tafoya

Title **Staff Regulatory Technician**

Signature Crystal Tafoya

Date **1/11/2013**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

NMOCD AV

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 19, 2012

Debbie Watson
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: COP Ute #12 OrderNo.: 1212360

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/7/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1212360**
Date Reported: **12/19/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: COP Ute #12
Lab ID: 1212360-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 12/6/2012 1:25:00 PM
Received Date: 12/7/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **MMD**
Diesel Range Organics (DRO)	11000	200		mg/Kg	20	12/11/2012 8:41:00 AM
Surr: DNOP	0	72.4-120	S	%REC	20	12/11/2012 8:41:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	370	96		mg/Kg	20	12/11/2012 5:31:44 PM
Surr: BFB	178	84-116	S	%REC	20	12/11/2012 5:31:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.96		mg/Kg	20	12/11/2012 5:31:44 PM
Toluene	ND	0.96		mg/Kg	20	12/11/2012 5:31:44 PM
Ethylbenzene	1.1	0.96		mg/Kg	20	12/11/2012 5:31:44 PM
Xylenes, Total	15	1.9		mg/Kg	20	12/11/2012 5:31:44 PM
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	20	12/11/2012 5:31:44 PM
EPA METHOD 7471: MERCURY						Analyst: **TMG**
Mercury	ND	0.033		mg/kg	1	12/17/2012 10:00:03 AM
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**
Arsenic	7.1	2.5		mg/Kg	1	12/18/2012 9:09:22 AM
Barium	150	0.50		mg/Kg	5	12/18/2012 9:42:06 AM
Cadmium	ND	0.10		mg/Kg	1	12/18/2012 9:09:22 AM
Chromium	4.2	0.30		mg/Kg	1	12/18/2012 9:09:22 AM
Copper	8.5	0.30		mg/Kg	1	12/18/2012 9:09:22 AM
Lead	3.8	0.25		mg/Kg	1	12/18/2012 9:09:22 AM
Nickel	3.6	0.50		mg/Kg	1	12/18/2012 9:09:22 AM
Selenium	ND	2.5		mg/Kg	1	12/18/2012 9:09:22 AM
Silver	ND	0.25		mg/Kg	1	12/18/2012 9:09:22 AM
Zinc	24	2.5		mg/Kg	1	12/18/2012 9:09:22 AM
SAR SOLUBLE CATIONS						Analyst: **ELS**
Calcium	1900	1.0		mg/L	1	12/18/2012 7:43:00 AM
Magnesium	390	1.0		mg/L	1	12/18/2012 7:43:00 AM
Sodium	16000	1.0		mg/L	1	12/18/2012 7:43:00 AM
Sodium Adsorption Ratio	89	0			1	12/18/2012 7:43:00 AM
EPA METHOD 8270C: PAHS						Analyst: **JDC**
Naphthalene	4.1	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
1-Methylnaphthalene	2.4	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
2-Methylnaphthalene	11	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
Acenaphthylene	ND	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
Acenaphthene	ND	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
Fluorene	0.54	0.40		mg/Kg	10	12/11/2012 12:41:09 PM
Phenanthrene	0.28	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Anthracene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Fluoranthene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-1
Project: COP Ute #12
Collection Date: 12/6/2012 1:25:00 PM
Lab ID: 1212360-001
Matrix: SOIL
Received Date: 12/7/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: PAHS						Analyst: **JDC**
Pyrene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Benz(a)anthracene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Chrysene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Benzo(b)fluoranthene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Benzo(k)fluoranthene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Benzo(a)pyrene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Dibenz(a,h)anthracene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Benzo(g,h,i)perylene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg	1	12/11/2012 12:06:02 PM
Surr: Benzo(e)pyrene	48.9	44.9-129		%REC	1	12/11/2012 12:06:02 PM
Surr: N-hexadecane	0	45.4-126	S	%REC	10	12/11/2012 12:41:09 PM
CONDUCTANCE						Analyst: **TAF**
Specific Conductance	6900	1.0		µmhos/cm	1	12/19/2012 8:03:00 AM
SM4500-H+B: PH						Analyst: **IDC**
pH	8.12	1.68		pH Units	1	12/13/2012 5:15:00 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2012

ESC Sample # : L611141-01

Date Received : December 14, 2012
Description :

Site ID :

Sample ID : 1212360-001B SC-1

Project # :

Collected By :
Collection Date : 12/06/12 13:25

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chromium,Hexavalent	BDL	2.0	mg/kg	3060A/7196A	12/17/12	1
ORP	200		mV	2580	12/15/12	1
pH	8.1		su	9045D	12/17/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 12/17/12 15:29 Printed: 12/17/12 15:29
L611141-01 (PH) - 8.1@22.4c

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

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Est. 1970

Hall Environmental Analysis Laboratory
Anne Thorne
4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L611141

December 17, 2012

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chromium,Hexavalent	< 2	mg/kg			WG628065	12/17/12 13:35

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
ORP	mV	200.	190.	3.62	20	L611054-01	WG628232
Chromium,Hexavalent	mg/kg	0	0	0	20	L610592-03	WG628065
Chromium,Hexavalent	mg/kg	0.400	0.920	78.8*	20	L610592-04	WG628065
pH	su	4.60	4.60	0.434	1	L611048-01	WG628397
pH	su	8.20	8.10	0.860	1	L611452-08	WG628397

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
ORP	mV	228	234.	103.	95.6-104.	WG628232
Chromium,Hexavalent	mg/kg	261	227.	87.0	80-120	WG628065
pH	su	6.03	6.01	99.7	98-101.6	WG628397

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
ORP	mV	234.	234.	103.	95.6-104.	0	20	WG628232
Chromium,Hexavalent	mg/kg	233.	227.	89.0	80-120	2.61	20	WG628065
pH	su	6.03	6.01	100.	98-101.6	0.332	20	WG628397

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chromium,Hexavalent	mg/kg	2.88	0	20	14.4*	75-125	L610592-02	WG628065

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chromium,Hexavalent	mg/kg	1.24	2.88	6.20*	75-125	79.6*	20	L610592-02	WG628065

Batch number /Run number / Sample number cross reference

WG628232: R2479837: L611141-01
WG628065: R2480877: L611141-01
WG628397: R2481017: L611141-01

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID **MB-5158**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **5158**	RunNo: **7361**
Prep Date: **12/7/2012**	Analysis Date: **12/7/2012**	SeqNo: **213505** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.7		10.00		96.9	72.4	120			

Sample ID **LCS-5158**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **5158**	RunNo: **7361**
Prep Date: **12/7/2012**	Analysis Date: **12/7/2012**	SeqNo: **213516** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.6	47.4	122			
Surr: DNOP	4.2		5.000		84.0	72.4	120			

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID **1212385-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **5186**	RunNo: **7465**
Prep Date: **12/10/2012**	Analysis Date: **12/12/2012**	SeqNo: **216508** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.74	0	101	70	130			
Surr: BFB	1500		949.7		159	84	116			S

Sample ID **1212385-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **5186**	RunNo: **7465**
Prep Date: **12/10/2012**	Analysis Date: **12/12/2012**	SeqNo: **216509** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.7	23.67	0	105	70	130	3.67	22.1	
Surr: BFB	1900		947.0		197	84	116	0	0	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID **mb-5196**	SampType: **MBLK**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **PBS**	Batch ID: **5196**	RunNo: **7422**
Prep Date: **12/10/2012**	Analysis Date: **12/11/2012**	SeqNo: **215077** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.020								
1-Methylnaphthalene	ND	0.020								
2-Methylnaphthalene	ND	0.020								
Acenaphthylene	ND	0.020								
Acenaphthene	ND	0.020								
Fluorene	ND	0.020								
Phenanthrene	ND	0.020								
Anthracene	ND	0.020								
Fluoranthene	ND	0.020								
Pyrene	ND	0.020								
Benz(a)anthracene	ND	0.020								
Chrysene	ND	0.020								
Benzo(b)fluoranthene	ND	0.020								
Benzo(k)fluoranthene	ND	0.020								
Benzo(a)pyrene	ND	0.020								
Dibenz(a,h)anthracene	ND	0.020								
Benzo(g,h,i)perylene	ND	0.020								
Indeno(1,2,3-cd)pyrene	ND	0.020								
Surr: Benzo(e)pyrene	0.27		0.3300		81.2	44.9	129			
Surr: N-hexadecane	1.1		1.460		72.3	45.4	126			

Sample ID **lcs-5196**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSS**	Batch ID: **5196**	RunNo: **7422**
Prep Date: **12/10/2012**	Analysis Date: **12/11/2012**	SeqNo: **215078** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	0.26	0.020	0.3300	0	77.4	52	107			
1-Methylnaphthalene	0.26	0.020	0.3300	0	78.6	54.7	112			
2-Methylnaphthalene	0.25	0.020	0.3300	0	76.7	50.2	112			
Acenaphthylene	0.30	0.020	0.3300	0	90.3	53.3	111			
Acenaphthene	0.31	0.020	0.3300	0	93.2	50	120			
Fluorene	0.30	0.020	0.3300	0	89.4	50.8	115			
Phenanthrene	0.30	0.020	0.3300	0	92.2	54.1	124			
Anthracene	0.30	0.020	0.3300	0	90.8	53.9	117			
Fluoranthene	0.30	0.020	0.3300	0	90.5	54.5	112			
Pyrene	0.28	0.020	0.3300	0	86.2	51.2	113			
Benz(a)anthracene	0.28	0.020	0.3300	0	86.0	54.9	109			
Chrysene	0.19	0.020	0.3300	0	58.3	49	112			
Benzo(b)fluoranthene	0.24	0.020	0.3300	0	73.9	58.2	118			
Benzo(k)fluoranthene	0.29	0.020	0.3300	0	87.5	53.5	118			
Benzo(a)pyrene	0.26	0.020	0.3300	0	79.5	50.1	118			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	lcs-5196	SampType:	LCS		TestCode:	EPA Method 8270C: PAHs				
Client ID:	LCSS	Batch ID:	5196		RunNo:	7422				
Prep Date:	12/10/2012	Analysis Date:	12/11/2012		SeqNo:	215078	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	0.27	0.020	0.3300	0	82.3	59.5	113			
Benzo(g,h,i)perylene	0.29	0.020	0.3300	0	86.6	56.5	117			
Indeno(1,2,3-cd)pyrene	0.28	0.020	0.3300	0	83.9	58.5	114			
Surr: Benzo(e)pyrene	0.24		0.3300		72.9	44.9	129			
Surr: N-hexadecane	1.3		1.460		91.4	45.4	126			

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	**1212360-001ADUP**	SampType: **DUP**		TestCode: **CONDUCTANCE**					
Client ID:	**SC-1**	Batch ID: **R7578**		RunNo: **7578**					
Prep Date:		Analysis Date: **12/19/2012**		SeqNo: **219972**		Units: **µmhos/cm**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Conductance	6900	1.0						0	20	

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212360

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	MB-5289	SampType:	MBLK		TestCode:	EPA Method 7471: Mercury				
Client ID:	PBS	Batch ID:	5289		RunNo:	7527				
Prep Date:	12/17/2012	Analysis Date:	12/17/2012		SeqNo:	218472	Units:	mg/kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	LCS-5289	SampType:	LCS		TestCode:	EPA Method 7471: Mercury				
Client ID:	LCSS	Batch ID:	5289		RunNo:	7527				
Prep Date:	12/17/2012	Analysis Date:	12/17/2012		SeqNo:	218473	Units:	mg/kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	103	80	120			

Sample ID	1212360-001AMS	SampType:	MS		TestCode:	EPA Method 7471: Mercury				
Client ID:	SC-1	Batch ID:	5289		RunNo:	7527				
Prep Date:	12/17/2012	Analysis Date:	12/17/2012		SeqNo:	218475	Units:	mg/kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1643	0.008724	105	75	125			

Sample ID	1212360-001AMSD	SampType:	MSD		TestCode:	EPA Method 7471: Mercury				
Client ID:	SC-1	Batch ID:	5289		RunNo:	7527				
Prep Date:	12/17/2012	Analysis Date:	12/17/2012		SeqNo:	218476	Units:	mg/kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1657	0.008724	106	75	125	1.27	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	MB-5292	SampType:	MBLK	TestCode:	EPA Method 6010B: Soil Metals				
Client ID:	PBS	Batch ID:	5292	RunNo:	7561				
Prep Date:	12/17/2012	Analysis Date:	12/18/2012	SeqNo:	219504	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.30								
Lead	ND	0.25								
Nickel	ND	0.50								
Selenium	ND	2.5								
Silver	ND	0.25								
Zinc	ND	2.5								

Sample ID	LCS-5292	SampType:	LCS	TestCode:	EPA Method 6010B: Soil Metals				
Client ID:	LCSS	Batch ID:	5292	RunNo:	7561				
Prep Date:	12/17/2012	Analysis Date:	12/18/2012	SeqNo:	219505	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	23	2.5	25.00	0	91.4	80	120			
Barium	22	0.10	25.00	0	89.4	80	120			
Cadmium	22	0.10	25.00	0	88.7	80	120			
Chromium	22	0.30	25.00	0	89.7	80	120			
Copper	23	0.30	25.00	0	90.8	80	120			
Lead	22	0.25	25.00	0	88.9	80	120			
Nickel	21	0.50	25.00	0	85.5	80	120			
Selenium	22	2.5	25.00	0	87.4	80	120			
Silver	4.9	0.25	5.000	0.1050	96.6	80	120			
Zinc	22	2.5	25.00	0	89.8	80	120			

Sample ID	1212338-001AMS	SampType:	MS	TestCode:	EPA Method 6010B: Soil Metals				
Client ID:	BatchQC	Batch ID:	5292	RunNo:	7561				
Prep Date:	12/17/2012	Analysis Date:	12/18/2012	SeqNo:	219510	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	19	2.5	24.91	0.8300	74.1	75	125			S
Cadmium	18	0.10	24.91	0	73.0	75	125			S
Chromium	20	0.30	24.91	1.446	72.6	75	125			S
Lead	20	0.25	24.91	2.284	69.6	75	125			S
Selenium	17	2.5	24.91	0	69.1	75	125			S
Silver	3.7	0.25	4.982	0.05163	72.9	75	125			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	1212338-001AMSD	SampType:	MSD	TestCode:	EPA Method 6010B: Soil Metals					
Client ID:	BatchQC	Batch ID:	5292	RunNo:	7561					
Prep Date:	12/17/2012	Analysis Date:	12/18/2012	SeqNo:	219511	Units:	mg/Kg			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	20	2.5	24.55	0.8300	78.1	75	125	3.62	20	
Cadmium	19	0.10	24.55	0	76.9	75	125	3.80	20	
Chromium	20	0.30	24.55	1.446	77.5	75	125	4.65	20	
Lead	20	0.25	24.55	2.284	73.4	75	125	3.49	20	S
Selenium	18	2.5	24.55	0	73.2	75	125	4.32	20	S
Silver	3.9	0.25	4.911	0.05163	77.5	75	125	4.66	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1212360**

19-Dec-12

Client: Animas Environmental Services

Project: COP Ute #12

Sample ID	1212360-001ADUP	SampType:	DUP		TestCode:	SM4500-H+B: pH				
Client ID:	SC-1	Batch ID:	R7490		RunNo:	7490				
Prep Date:		Analysis Date:	12/13/2012		SeqNo:	217055	Units:	pH Units		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.08	1.68								

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental — Work Order Number: 1212360

Received by/date: 12/07/12

Logged By: Lindsay Mangin — 12/7/2012 10:00:00 AM

Completed By: Lindsay Mangin — 12/7/2012 12:04:34 PM

Reviewed By: 12/07/12

Chain of Custody

1. Were seals intact? — Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? — Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? — Courier

Log In

4. Coolers are present? (see 19. for cooler specific information) — Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? — Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C — Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? — Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? — Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? — Yes ☑ No ☐
10. Was preservative added to bottles? — Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? — Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? — Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) — Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? — Yes ☑ No ☐
15. Is it clear what analyses were requested? — Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) — Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? — Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche Farmington NM 87401

Phone #: 505 564 2281

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 5 day TAT

Project Name: CoP Ute #12

Project #:

Project Manager: D. Watson

Sampler: D Watson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1212240
12-6-12	1325	Soil	SC-1	3-80z	—	-001

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Ut Mtn Ute Table (see attached)				Air Bubbles (Y or N)
											X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/6/12	1647	Debra Watson	Christine Walker	12/6/12	1647
12/6/12	1715	Christine Walker		12/07/12	1000

Remarks: Bill to ConocoPhillips
WO: 9344655
Area: 1
User ID: GARRECO
ordered by: Crystal Tafoya
Supervisor: Richard Lopez

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Standards for Spill Clean-up and Reclamation
Ute Mountain Ute Tribe
Based on Colorado Oil and Gas Commission Standards

Note: Samples must be collected by a qualified professional and samples analyzed by a qualified laboratory (EPA certification recommended). At a minimum sufficient quality assurance/quality control data should be provided with analyses. These should be sent to Scott Clow, Environmental Programs Director, PO Box 448, Towaoc, CO 81334, or delivered to 520 Sunset Blvd. Towaoc, CO during regular business hours of 8 am to 4:30 pm, Monday through Friday. Other contact information: (970) 564-5432; FAX (970) 565-2651; cellular phone (970) 749-3508.

The Ute Mountain Ute Environmental Programs Department can do sampling on behalf of the Operator/Leasee with the understanding that analytical costs will be reimbursed to the Tribe.

Pollutant Concentrations in Soil and Water

CONCENTRATION LEVELS Contaminant of Concern	Concentrations
Organic Compounds in Soil	
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg
Benzene	0.17 mg/kg2
Toluene	85 mg/kg2
Ethylbenzene	100 mg/kg2
Xylenes (total	175 mg/kg2
Acenaphthene	1,000 mg/kg2
Anthracene	1,000 mg/kg2
Benzo(A)anthracene	0.22 mg/kg2
Benzo(B)fluoranthene	0.22 mg/kg2
Benzo(K)fluoranthene	2.2 mg/kg2
Benzo(A)pyrene	0.022 mg/kg2
Chrysene	22 mg/kg2
Dibenzo(A,H)anthracene	0.022 mg/kg2
Fluoranthene	1,000 mg/kg2
Fluorene	1,000 mg/kg2
Indeno(1,2,3,C,D)pyrene	0.22 mg/kg2
Napthalene	23 mg/kg2

Pyrene	1,000 mg/kg2
Organic Compounds in Ground Water	
Benzene	5 µg/l3
Toluene	560 to 1,000 µg/l3
Ethylbenzene	700 µg/l3
Xylenes (Total)	1,400 to 10,000 µg/l3,4
Inorganics in Soils	
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background
Sodium Adsorption Ratio (SAR)	<125
pH	6-9
Inorganics in Ground Water	
Total Dissolved Solids (TDS)	<1.25 x background3
Chlorides	<1.25 x background3
Sulfates	<1.25 x background3
Metals in Soils	
Arsenic	0.39 mg/kg2
Barium (LDNR True Total Barium)	15,000 mg/kg2
Boron (Hot Water Soluble)	2 mg/l3
Cadmium	70 mg/kg3,6
Chromium (III)	120,000 mg/kg2
Chromium (VI)	23 mg/kg2,6
Copper	3,100 mg/kg2
Lead (inorganic)	400 mg/kg2
Mercury	23 mg/kg2
Nickel (soluble salts)	1,600 mg/kg2,6
Selenium	390 mg/kg2,6
Silver	390 mg/kg2
Zinc	23,000 mg/kg2,6
Liquid Hydrocarbons in Soils and Ground Water	
Liquid hydrocarbons including condensate and oil	Below detection level