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

30-039-24931

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Shelly Cook-Cowden**
Address **3401 E. 30th St., Farmington, NM 87402**	Telephone No. **505-324-5140**
Facility Name **San Juan 29-6 Unit #205**	Facility Type Gas well **API 3003924931**

Surface Owner **Private**	Mineral Owner **Federal**	Lease No. NM-03040

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	21	29N	06W	1670'	SOUTH	1433'	WEST	Rio Arriba

Latitude36.70837 ° N Longitude-107.47186° W

RCVD MAR 21 '12
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release. Produced Water	Volume of Release. 82 BBL	Volume Recovered: 50BBL
Source of Release: Water Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 1/13/12 @ 4.00PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell, NMOCD, Mark Kelly, BLM FFO	
By Whom? Shelly Cook-Cowden	Date and Hour NMOCD 1/17/12 @ 6 01AM voicemail BLM FFO 1/17/12 @ 5:59AM voicemail	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*The BGT overflowed The fluid remained within the cribbing and was removed with a water truck ~50BBL was recovered. The rest remained frozen within the cribbing.

Describe Area Affected and Cleanup Action Taken.*All the fluid remained within the berm ~ 50BBL was recovered The area affected will be tested for hydrocarbons at the request of NMOCD's Jonathan Kelly **Excavation and confirmation sampling occurred. Analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.**

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: Shelly Cook-Cowden	OIL CONSERVATION DIVISION
Printed Name: Shelly Cook-Cowden	Approved by District Supervisor: Jonathan D. Kelly
Title: Field Environmental Specialist	Approval Date 3/21/2012 Expiration Date.
E-mail Address: Shelly.g.Cook-Cowden@ConocoPhillips.com	Conditions of Approval: Attached ☐
Date February 10, 2012 Phone: 505-324-5140	

* Attach Additional Sheets If Necessary

nJK1208154398

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche,
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

February 8, 2012

Shelly Cook-Cowden
ConocoPhillips
3401 East 30th Street, Office #490
Farmington, NM 87402

RE: Release Assessment Report for the San Juan 29-6 Unit #205
Rio Arriba County, New Mexico

Dear Ms. Cook-Cowden:

On January 31, 2012, Animas Environmental Services, LLC (AES) completed confirmation soil sampling associated with an 82 barrel (bbl) release of produced water from a 500 bbl storage tank at the San Juan 29-6 Unit #205, located in Rio Arriba County, New Mexico.

1.0 Site Information

1.1 Location

Location - NE¼ SW¼, Section 21, T29N, R6W, Rio Arriba County, New Mexico
Latitude/Longitude - N36.70837 and W107.47186, respectively
Surface Owner – Private (Smith Ranch)
Figure 1 - Topographic Site Location
Figure 2 - Sample Locations and Results, January 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a Cathodic Protection Well Report for the SJ 29-6 Unit #205 reported the depth to groundwater at 180 feet below ground surface (bgs). No additional records indicating surface water or wellhead protection area distances were found. Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby private domestic water wells, and no nearby water well records were located.

Once on-site, AES personnel assessed the NMOCD ranking criteria using topographical interpretation, Global Position System (GPS) elevation readings, and visual reconnaissance. Based on an elevation differential between the SJ 29-6 Unit #205 (6,414 feet above mean sea level (amsl)) and the base of Gobernador Canyon (6,289

feet amsl), the estimated depth to groundwater is approximately 180 feet bgs. Distance to the nearest surface water body, a livestock pond, is approximately 1,000 feet north of the location. An unnamed tributary drainage to Gobernador Canyon is located about 2,000 feet south. One water well, which appears to be used for livestock, was observed approximately 2,200 feet southeast of the location. Due to the distance to the livestock pond, the location was assigned an NMOCD ranking of 10.

1.3 Release Assessment

AES was initially contacted by Shelly Cook-Cowden of CoP on January 30, 2012, and on January 31, 2012, Ross Kennemer of AES completed the confirmation soil sampling. No CoP representatives were on-site during the field work, which included collecting a 5-point composite sample of produced water impacted soil within the storage tank secondary containment area. Discrete sample locations, which were used to make the composite, are shown on Figure 2.

2.0 Soil Sampling

A decontaminated stainless steel sampling trowel was used to collect five discrete soil samples from the surface of the impacted soil, and the soil samples were then thoroughly mixed within a sampling bag. One composite sample was collected from the combined sample volume and field-screened for volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Field-screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). The TPH sample was analyzed per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). Additionally, one sample from the composite was submitted for chloride analysis per USEPA Method 300.0 to Hall Environmental Analysis Laboratory, Albuquerque, New Mexico. Soil sample results are presented below in Table 1, and sample locations are included on Figure 2.

Table 1. Soil OVM, TPH Field Screening, and Chloride Analytical Results
San Juan 29-6 Unit #205 Release Assessment, January 2012

Sample ID	*Date Sampled*	*Sample Depth (ft bgs)*	*OVM Reading (ppm)*	*Field TPH (mg/kg)*	*Lab Chloride (mg/kg)*
	NMOCD Action Level		*100*	*1,000*	*NE*
C-1 5-Point Composite	01/31/12	Surface	7.8	196	310

NE – Not Established

3.0 Conclusions and Recommendations

AES completed confirmation soil sampling associated with an 82 bbl release of produced water from a 500 bbl storage tank at the San Juan 29-6 Unit #205 on January 31, 2012. Based on visual observations, the spill was fully contained within the secondary containment berm surrounding the produced water storage tank. Some standing produced water and produced water saturated soils were observed on the south, east and west sides of the storage tank.

VOC and TPH field-screening results were below applicable NMOCD action levels and indicate that no hydrocarbon impact resulted from the produced water release. A chloride concentration was reported at 310 mg/kg; however, per NMOCD's *Guidelines for Leaks, Spills, and Releases* (August 1993), there is not an established action level for chlorides as part of a release assessment. No additional soil sampling or mitigation activities are recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact me at (505) 564-2281.

Sincerely,

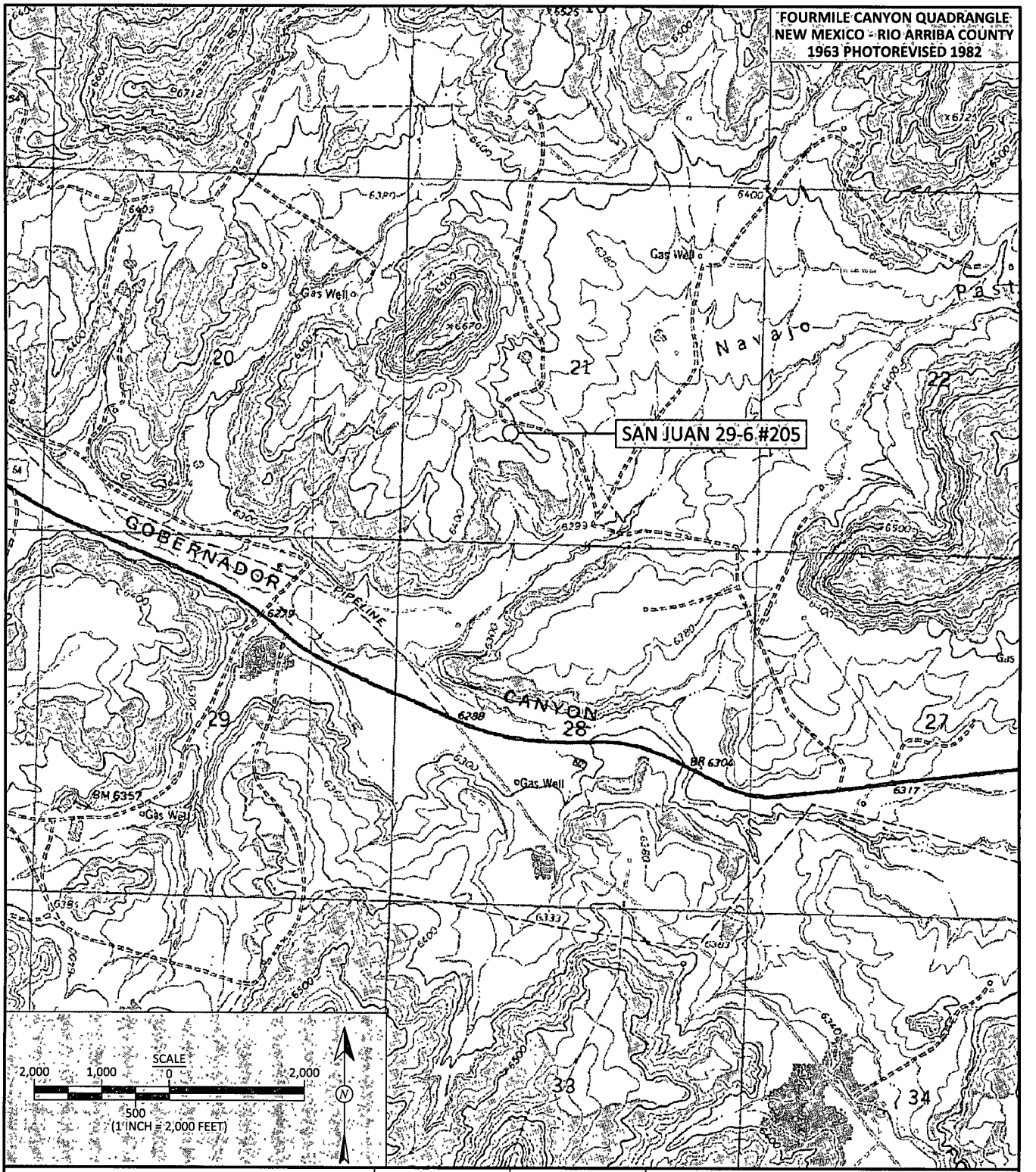
Ross Kennemer
Sr. Project Manager

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Sample Locations and Results, January 2012
AES Field Screening Report, SJ 29-6 Unit #205 013112

S.\Animas 2000\2012 Projects\Conoco Phillips\San Juan 29-6 Unit #205\San Juan 29-6 Unit #205 Spill Assessment Report 020812.docx



Animas Environmental Services, LLC

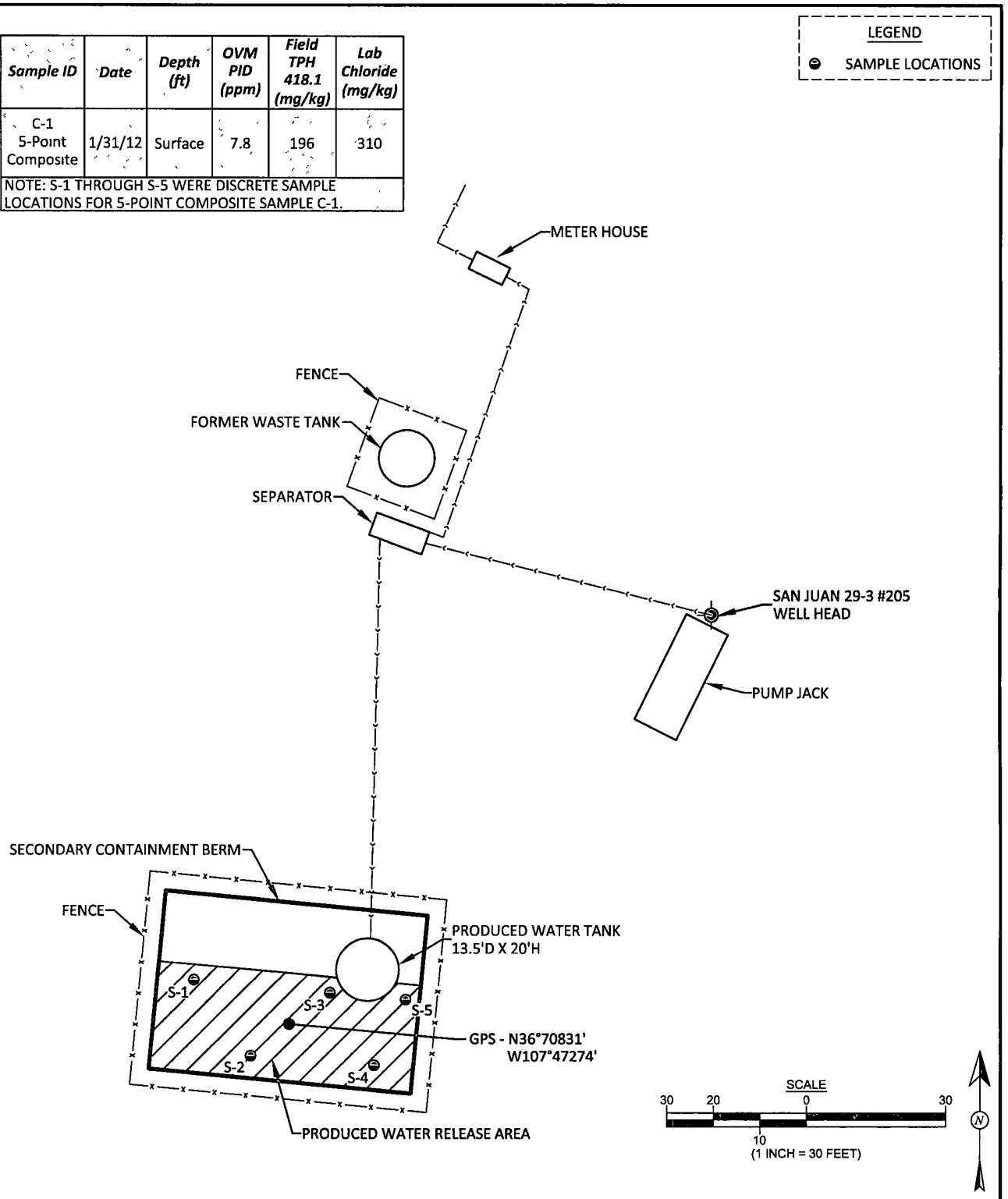
DRAWN BY: C. Lameman	**DATE DRAWN:** February 1, 2012
REVISIONS BY: C. Lameman	**DATE REVISED:** February 1, 2012
CHECKED BY: R. Kennemer	**DATE CHECKED:** February 1, 2012
APPROVED BY: E. McNally	**DATE APPROVED:** February 1, 2012

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
SAN JUAN 29-6 #205
RIO ARRIBA COUNTY, NEW MEXICO
NE¼, SW¼, SECTION 21, T29N, R6W
N36.70837°, W107.47186°

Sample ID	Date	Depth (ft)	OVM PID (ppm)	Field TPH 418.1 (mg/kg)	Lab Chloride (mg/kg)
C-1 5-Point Composite	1/31/12	Surface	7.8	196	310

NOTE: S-1 THROUGH S-5 WERE DISCRETE SAMPLE LOCATIONS FOR 5-POINT COMPOSITE SAMPLE C-1.



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: February 1, 2012
REVISIONS BY: C. Lameman	DATE REVISED: February 1, 2012
CHECKED BY: R. Kennemer	DATE CHECKED: February 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: February 8, 2012

FIGURE 2

SAMPLE LOCATIONS AND RESULTS
JANUARY 2012
ConocoPhillips
SAN JUAN 29-6 #205
RIO ARRIBA COUNTY, NEW MEXICO
NE¼, SW¼, SECTION 21, T29N, R6W
N36.70837°, W107.47186°

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: SJ 29-6 #205

Date: 2/2/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
C-1	1/31/2012	12:34	5 pt composite on surface	7.8	NA	2/2/2012 @ 12:32 PM	196	20.0	1	TCR

PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
DF Dilution Factor
NA Not Analyzed
**Field TPH concentrations recorded may be below PQL.*

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate
Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Tami Ross

Report Finalized: 02/02/12

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

February 02, 2012

Ross Kennemer

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX (505) 324-2022

RE: COP SJ 29-6 #205 OrderNo.: 1202080

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/2/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1202080**
Date Reported. **2/2/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: COP SJ 29-6 #205
Lab ID: 1202080-001 **Matrix:** SOIL

Client Sample ID: C-1 (5-point composite)
Collection Date: 1/31/2012 12:34 00 PM
Received Date: 2/2/2012 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst **BRM**
Chloride	310	30		mg/Kg	20	2/2/2012 11 29 19 AM

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1202080**

02-Feb-12

Client: Animas Environmental Services

Project: COP SJ 29-6 #205

Sample ID	**MB-549**	SampType	**MBLK**	TestCode	**EPA Method 300.0: Anions**					
Client ID	**PBS**	Batch ID	**549**	RunNo	**719**					
Prep Date	**2/2/2012**	Analysis Date	**2/2/2012**	SeqNo	**20777**	Units	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-549**	SampType	**LCS**	TestCode	**EPA Method 300.0: Anions**					
Client ID	**LCSS**	Batch ID	**549**	RunNo	**719**					
Prep Date	**2/2/2012**	Analysis Date	**2/2/2012**	SeqNo	**20778**	Units	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

*/X	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
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

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: 1202080

Received by/date: LM 2/2/12

Logged By: Michelle Garcia 2/2/2012 8:45:00 AM Michelle Garcia

Completed By: Michelle Garcia 2/2/2012 9:00:46 AM Michelle Garcia

Reviewed By: jn 2/2/2012

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? FedEx

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	5.4	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 Same Day

Project Name:

COP SJ 29-6 #205

Project #:

Project Manager:

Ross Kennemer

Sampler: Ross Kennemer

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1202080	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)	Chlorides				Air Bubbles (Y or N)
1-31-12	1234	Soil	C-1 (5-point composite)	4oz Glass / 1	4°C	-1												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-1-12	9:34	Ross Kennemer	Christine Walters	2/1/12	934
2/1/12	1603	Christine Walters		2/2/12	0845

Remarks: Direct bill to ConocoPhillips WO# 8777731

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.