

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

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips	Contact Lisa Hunter
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9786
Facility Name: San Juan 31-6 #205R	Facility Type: Gas Well

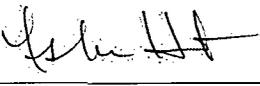
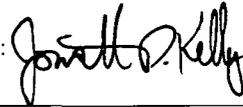
Surface Owner Federal	Mineral Owner Federal	API No. 3003925691
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	4	30N	6W	2510	North	1850	East	Rio Arriba

Latitude 36.8419 Longitude -107.46498

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 64 BBLs	Volume Recovered 60 BBLs
Source of Release Tank overflow due to faulty Transfer Pump	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 10-21-13 @ 11:30 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, NMOCD Shari Ketcham, BLM	
By Whom? Lisa Hunter	Date and Hour 10/21/13 @ 4:00 p.m. (Phone) & Email follow-up 10/21/13 @ 4:09 p.m. (Voice msg) & Email follow-up	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A RCVD DEC 27 '13	
If a Watercourse was Impacted, Describe Fully.* N/A	OIL CONS. DIV. DIST. 3	
Describe Cause of Problem and Remedial Action Taken.* Transfer pump had malfunctioned and didn't restart, causing two tanks on location to overflow. 64 BBLs of Produced Water was released and contained within the Berm. Water truck was called and 60 BBLs was recovered.		
Describe Area Affected and Cleanup Action Taken.* ConocoPhillips will assess the soil to determine a path forward for clean-up if necessary. October 24, 2013, third-party assessment was conducted, and analytical results were below the regulatory standards – no further action required.		
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: Lisa Hunter	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 4/11/2014	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: December 23, 2013	Phone: (505) 326-9786	

* Attach Additional Sheets If Necessary

NJK 14 10142875



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

December 16, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-04
5525 Hwy 64
Farmington, New Mexico 87401

Via electronic mail to:
SJBUE-Team@ConocoPhillips.com

**RE: Release Assessment Report
San Juan 31-6 #205R
Rio Arriba County, New Mexico**

Dear Ms. Hunter:

On October 24, 2013, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (CoP) San Juan 31-6 #205R, located in Rio Arriba County, New Mexico. The release consisted of approximately 64 barrels (bbls) of produced water, of which 60 bbls were recovered.

1.0 Site Information

1.1 Location

Location - SW¼ NE¼, Section 4, T30N, R6W, Rio Arriba County, New Mexico

Well Head Latitude/Longitude – N36.84194 and W107.46552, respectively

Release Latitude/Longitude - N36.84174 and W107.46580, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, October 2013

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 0 based on the following factors:

- **Depth to Groundwater:** A cathodic protection report form dated February 1992 for the San Juan 31-6 #205, located approximately 830 feet northeast of the location and at a similar elevation, reported the depth to groundwater at 230 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed wash which drains to the wash in La Jara Canyon is located approximately 1,150 feet southwest of the location. (0 points)

1.3 Release Assessment

AES was initially contacted by Lisa Hunter of CoP on October 21, 2013, and on October 24, 2013, Deborah Watson and Jesse Christopherson of AES completed the release assessment field work. The assessment included collection and field screening of 11 soil samples from the 5 soil borings (SB-1 through SB-5) within the release area. One 5-point composite sample (SC-1) was created from equal portions of samples collected within SB-1 through SB-5 at the surface. Sample locations are presented on Figure 3.

2.0 Soil Sampling

A total of 11 soil samples (SB-1 through SB-5) and a composite sample (SC-1) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). One composite sample (SC-1) was submitted for confirmation laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field-screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

2.2 Laboratory Analyses

The soil sample collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Chloride per U.S. Environmental Protection Agency (USEPA) Method 300.0.

2.3 Field Screening and Laboratory Analytical Results

Field screening results for VOCs via OVM were reported between 0.0 ppm and 0.4 ppm. Field TPH concentrations ranged from 25.3 mg/kg in SB-3 up to 45.3 mg/kg in SB-1. Results are included below in Table 1 and on Figure 3. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs and TPH Results
 San Juan 31-6 #205R Release Assessment, October 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>
<i>NMOCD Action Level*</i>			100	5,000
SB-1	10/24/13	Surface	0.1	45.3
		2	0.4	39.9
SB-2	10/24/13	Surface	0.4	35.9
		2	0.1	NA
SB-3	10/24/13	Surface	0.0	27.9
		2	0.0	33.3
		4	0.0	25.3
SB-4	10/24/13	Surface	0.0	26.6
		2	0.0	NA
SB-5	10/24/13	Surface	0.0	26.6
		2	0.0	NA

NA – Not Analyzed;

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

Sample SC-1 was submitted for laboratory analysis of chloride to aid with the release assessment. The chloride concentration in SC-1 was reported at 150 mg/kg. The

laboratory analytical result is included on Figure 3. The laboratory analytical report is attached.

3.0 Conclusions and Recommendations

On October 24, 2013, AES conducted an assessment of a 64 bbl produced water release at the San Juan 31-6 #205R. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a ranking of 0. Field screening results showed concentrations below the NMOCD action levels of 100 ppm for VOCs and 5,000 mg/kg for TPH in all of the samples collected. The chloride concentration reported for SC-1 was 150 mg/kg.

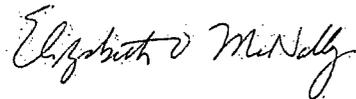
Based on field screening results of produced water impacted soils at the San Juan 31-6 #205R, VOCs and TPH concentrations were reported below applicable NMOCD action levels. The chloride concentration in SC-1 was reported at 150 mg/kg. Therefore, no further work is recommended at the San Juan 31-6 #205R.

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

Sincerely,



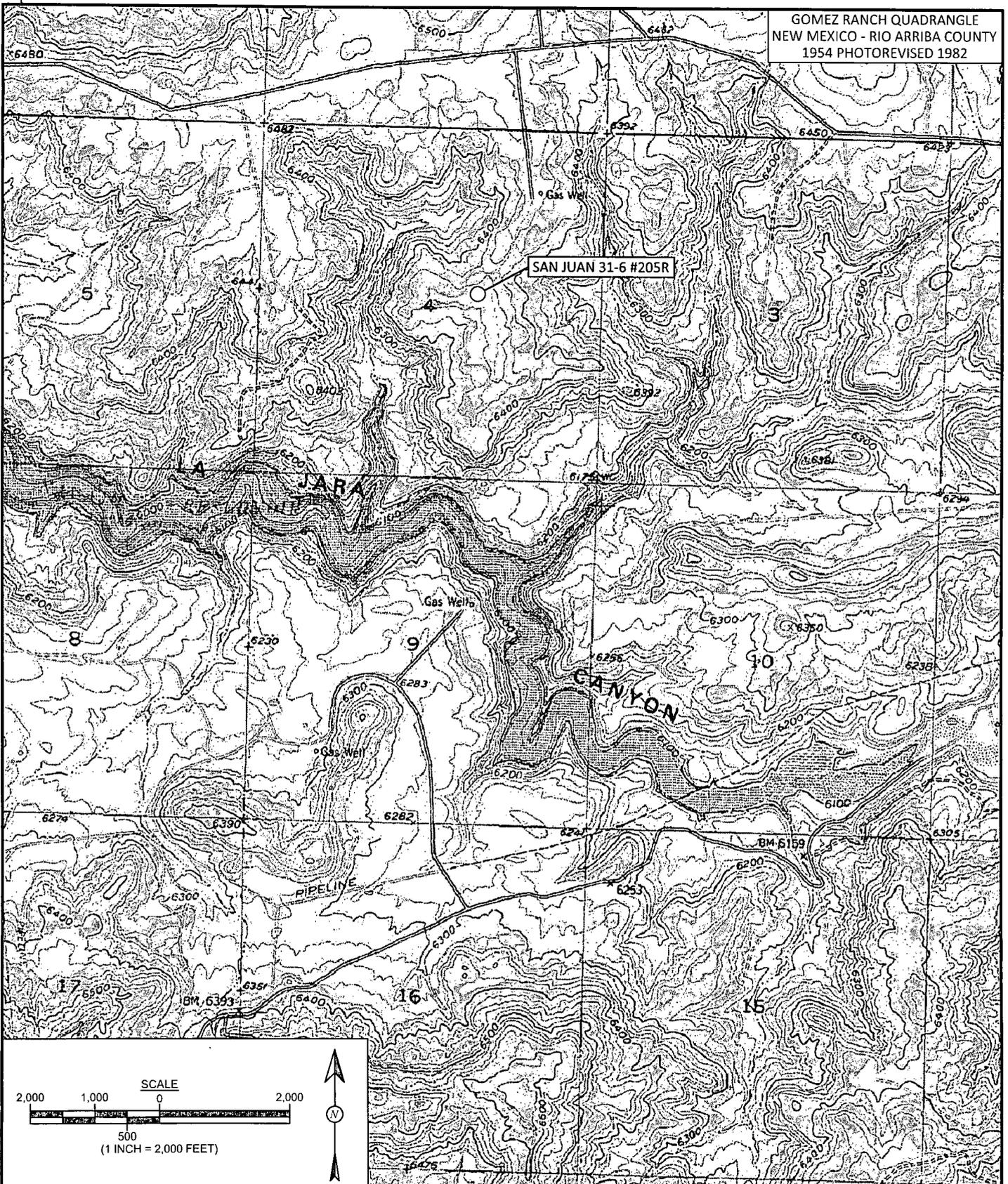
Deborah Watson, P.G.
Sr. Project Manager



Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, October 2013
- Figure 3. Release Assessment Soil Sample Locations and Results, October 2013
- AES Field Screening Report 102413
- Hall Analytical Reports 1310D37



DRAWN BY: C. Lameman	DATE DRAWN: October 25, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 25, 2013
CHECKED BY: D. Watson	DATE CHECKED: October 25, 2013
APPROVED BY: E. McNally	DATE APPROVED: October 25, 2013

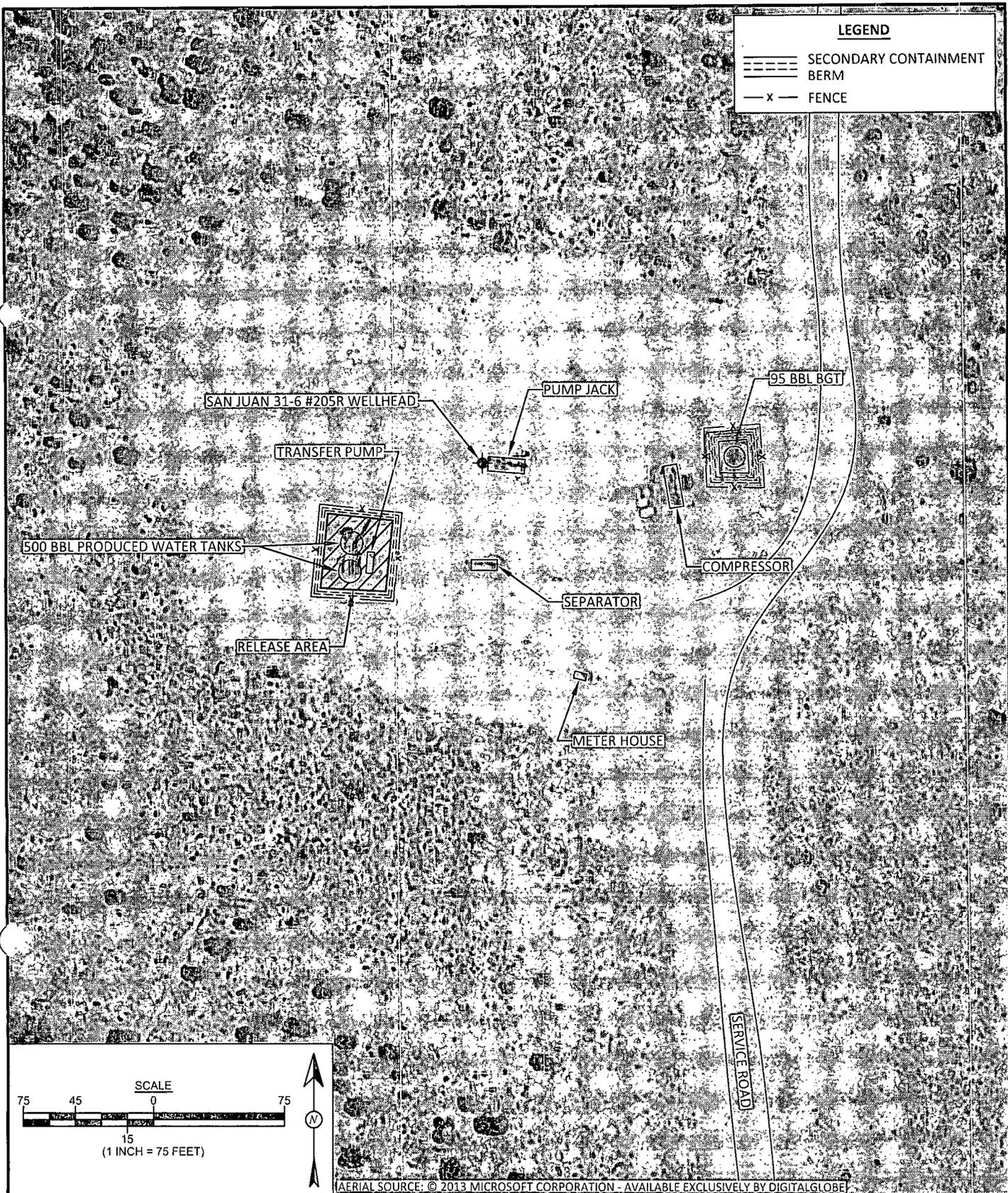
FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 ConocoPhillips
 SAN JUAN 31-6 #205R
 RIO ARRIBA COUNTY, NEW MEXICO
 SW¼ NE¼, SECTION 4, T30N, R6W
 N36.84194, W107.46552

LEGEND

===== SECONDARY CONTAINMENT BERM

- x - FENCE



DRAWN BY: C. Lameman	DATE DRAWN: October 25, 2013
REVISIONS BY: C. Lameman	DATE REVISED: October 25, 2013
CHECKED BY: D. Watson	DATE CHECKED: October 25, 2013
APPROVED BY: E. McNally	DATE APPROVED: October 25, 2013

FIGURE 2

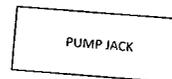
**AERIAL SITE MAP
OCTOBER 2013**

ConocoPhillips
SAN JUAN 31-6 #205R
RIO ARRIBA COUNTY, NEW MEXICO
SW¼ NE¼, SECTION 4, T30N, R6W
N36.84194, W107.46552

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOC ACTION LEVEL			100	5,000
SB-1	10/24/13	Surface	0.1	45.3
		2	0.4	39.9
SB-2	10/24/13	Surface	0.4	35.9
		2	0.1	NA
SB-3	10/24/13	Surface	0.0	27.9
		2	0.0	33.3
		4	0.0	25.3
SB-4	10/24/13	Surface	0.0	26.6
		2	0.0	NA
SB-5	10/24/13	Surface	0.0	26.6
		2	0.0	NA

NA - NOT ANALYZED

SAN JUAN 31-6 #205R WELLHEAD



Laboratory Analytical Results			
Sample ID	Date	Depth (ft)	Chlorides (mg/kg)
NMOC ACTION LEVEL			-
SC-1	10/24/13	Surface	150

SC-1 WAS A COMPOSITE OF SB-1 THROUGH SB-5.
SAMPLE WAS ANALYZED PER EPA METHOD 300.0.

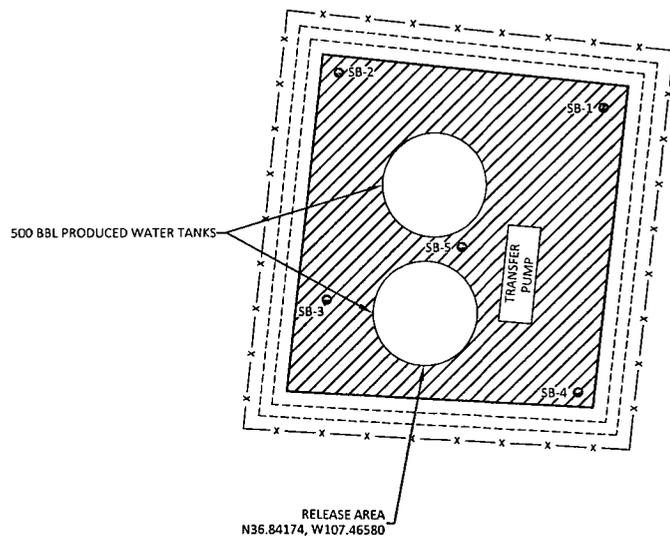


FIGURE 3

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS OCTOBER 2013
 ConocoPhillips
 SAN JUAN 31-6 #205R
 RIO ARRIBA COUNTY, NEW MEXICO
 SW¼ NE¼, SECTION 4, T30N, R6W
 N36.84194, W107.46552

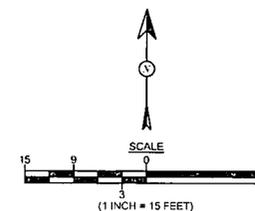


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: October 25, 2013
REVISIONS BY: C. Lameman	DATE REVISED: October 25, 2013
CHECKED BY: D. Watson	DATE CHECKED: October 25, 2013
APPROVED BY: E. McNally	DATE APPROVED: October 25, 2013

LEGEND

- SOIL BORING SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- X - FENCE



AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 31-6 #205R

Date: 10/24/2013

Matrix: Soil

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ surface	10/24/2013	12:20	0.1	45.3	12:47	20.0	1	DAW
SB-1 @ 2'	10/24/2013	12:23	0.4	39.9	12:50	20.0	1	DAW
SB-2 @ surface	10/24/2013	12:25	0.4	35.9	12:53	20.0	1	DAW
SB-2 @ 2'	10/24/2013	12:28	0.1	Not Analyzed for TPH				
SB-3 @ surface	10/24/2013	12:35	0.0	27.9	13:30	20.0	1	DAW
SB-3 @ 2'	10/24/2013	12:40	0.0	33.3	13:32	20.0	1	DAW
SB-3 @ 4'	10/24/2013	12:42	0.0	25.3	13:34	20.0	1	DAW
SB-4 @ surface	10/24/2013	12:50	0.0	26.6	13:37	20.0	1	DAW
SB-4 @ 2'	10/24/2013	12:53	0.0	Not Analyzed for TPH				
SB-5 @ surface	10/24/2013	12:57	0.0	26.6	13:40	20.0	1	HMW
SB-5 @ 2'	10/24/2013	13:00	0.0	Not Analyzed for TPH				

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

Analyst:

Debrah Water



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

November 04, 2013

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

RE: CoP San Juan 31-6 #205R

OrderNo.: 1310D37

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/26/2013 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1310D37

Date Reported: 11/4/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

Project: CoP San Juan 31-6 #205R

Collection Date: 10/24/2013 1:25:00 PM

Lab ID: 1310D37-001

Matrix: SOIL

Received Date: 10/26/2013 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	150	7.5		mg/Kg	5	10/29/2013 12:59:13 PM	10073

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1310D37

04-Nov-13

Client: Animas Environmental
Project: CoP San Juan 31-6 #205R

Sample ID	MB-10073	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	10073	RunNo:	14433					
Prep Date:	10/29/2013	Analysis Date:	10/29/2013	SeqNo:	414669	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-10073	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	10073	RunNo:	14433					
Prep Date:	10/29/2013	Analysis Date:	10/29/2013	SeqNo:	414670	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Sample ID	1310D37-001AMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions					
Client ID:	SC-1	Batch ID:	10073	RunNo:	14433					
Prep Date:	10/29/2013	Analysis Date:	10/29/2013	SeqNo:	414676	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	200	7.5	15.00	154.9	301	58.8	109			S

Sample ID	1310D37-001AMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions					
Client ID:	SC-1	Batch ID:	10073	RunNo:	14433					
Prep Date:	10/29/2013	Analysis Date:	10/29/2013	SeqNo:	414677	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	220	7.5	15.00	154.9	441	58.8	109	9.95	20	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1310D37

RcptNo: 1

Received by/date: AE 10/26/13

Logged By: Anne Thorne 10/26/2013 10:20:00 AM *Anne Thorne*

Completed By: Anne Thorne 10/29/2013 *Anne Thorne*

Reviewed By: AE 10/29/13

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Yes			

