

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 Company	Contact Lisa Hunter
Address 3401 East 30 <sup>th</sup> St, Farmington, NM	Telephone No.(505) 258-1607
Facility Name: Newsom 20	Facility Type: Gas

Surface Owner BLM	Mineral Owner SF 0278433	API No. 3004520219
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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
A	19	26N	08W	970'	FNL	990'	FEL	San Juan

Latitude 36.47777 Longitude -107.71821

**NATURE OF RELEASE**

Type of Release: Hydrocarbon	Volume of Release 22	Volume Recovered 17
Source of Release Production Tank	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery 9/2/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Cory Smith and Shari Ketcham</b>	
By Whom? Lindsay Dumas	Date and Hour 9/3/2015	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

**OIL CONS. DIV DIST. 3**

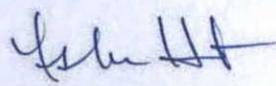
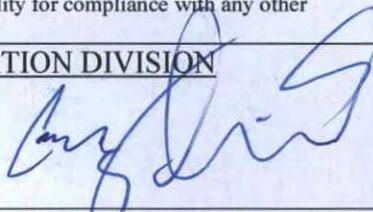
**DEC 08 2015**

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*  
The seal was cut on the drain line of the oil tank and drained the tank into the pit. All fluids were recovered by spec truck. The pit was on a liner.

Describe Area Affected and Cleanup Action Taken.\*  
**Release assessment was completed by third-party environmental and Analytical results were below the NMOCD regulatory standards – no further action required. The soil sampling report is attached for review. No further remediation 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Lisa Hunter	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <u>12/29/15</u>	Expiration Date:
E-mail Address: <b>Lisa.Hunter@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 30, 2015	Phone: (505) 258-1607	

\* Attach Additional Sheets If Necessary

**#NCS 1528729601**



November 23, 2015

Lisa Hunter  
ConocoPhillips  
San Juan Business Unit  
(505) 258-1607

*Via electronic mail to:*  
[SJBUE-Team@ConocoPhillips.com](mailto:SJBUE-Team@ConocoPhillips.com)

**RE: Release Assessment Report  
Newsom #20  
San Juan County, New Mexico**

Dear Ms. Hunter:

On October 16, 2015, Animas Environmental Services, LLC (AES) completed a release assessment at the ConocoPhillips (COPC) Newsom #20, located in San Juan County, New Mexico. The release consisted of approximately 22 barrels (bbls) of produced water and condensate at the location, of which approximately 17 bbls were recovered.

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## 1.0 Site Information

### 1.1 Location

Site Name – Newsom #20

Location – NE¼ NE¼, Section 19, T26N, R8W, San Juan County, New Mexico

Well Head Latitude/Longitude – N36.47808 and W107.71796, respectively

Release Location Latitude/Longitude – N36.47777 and W107.71821, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, October 2015

604 W. Piñon St.  
Farmington, NM 87401  
505-564-2281

1911 Main, Ste 280  
Durango, CO 81301  
970-403-3084

## 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 40 based on the following factors:

- **Depth to Groundwater:** Based on a site-specific hydrogeology report dated October 2015, depth to groundwater is approximately 10 feet below ground surface (bgs). (20 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** A detention pond is located approximately 60 feet northwest of the location; an unnamed wash that drains to Blanco Canyon is located 790 feet to the northeast; and an active stock pond is located 550 feet northwest of the location. (20 points)

## 1.3 Assessment

AES was initially contacted by Lindsay Dumas of COPC on October 8, 2015, and on October 16, 2015, Corwin Lameman and Delilah Dougi of AES completed the release assessment field work. The assessment included collection and field sampling of one soil sample from one soil boring in the release area, which was terminated at one foot. The sample location is presented on Figure 3.

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## 2.0 Soil Sampling

One soil sample from one discrete location (S-1) was collected during the assessment. The soil sample was field screened for volatile organic compounds (VOCs) and analyzed for total petroleum hydrocarbons (TPH). Sample S-1 was also submitted for confirmation laboratory analysis.

### 2.1 Field Sampling

#### 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 U.S. Environmental Protection Agency (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 S-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B;
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D; and
- Chlorides per USEPA 300.0.

## 2.3 Field and Laboratory Analytical Results

On October 16, 2015, release assessment field screening results for VOCs via OVM showed concentrations at 29.8 ppm in S-1. Field TPH concentrations were measured at 75.0 mg/kg. Results are included below in Table 1 and on Figure 3. The AES Field Sampling Report is attached.

Table 1. Soil Field VOCs and TPH Results  
Newsom #20 Release Assessment, October 2015

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>TPH 418.1 (mg/kg)</i>
<i>NMOCD Action Level*</i>			100	100
S-1	10/16/15	1	29.8	75.0

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

Laboratory analyses for S-1 were used to confirm field sampling results of the release assessment. Benzene and total BTEX concentrations were reported below laboratory detection limits. TPH concentrations as GRO and DRO were measured at 12 mg/kg and 11

mg/kg, respectively. The chloride concentration was reported as 43 mg/kg. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides  
Newsom #20 Release Assessment, October 2015

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>	<i>Chlorides (mg/kg)</i>
<i>NMOCD Action Level*</i>			10	50	100		NE
S-1	10/16/15	1	<0.049	<0.244	12	11	43

NE – Not Established

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

### 3.0 Conclusions and Recommendations

On October 16, 2015, AES conducted a release assessment of petroleum contaminated soils associated with an approximate 22 bbl spill of produced water and condensate at the Newsom #20. 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 rank of 40.

Release assessment field sampling results were reported below the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH in S-1. The VOC and TPH concentrations were reported at 29.8 ppm and 75.0 mg/kg, respectively.

Laboratory analyses for S-1 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO were also below the NMOCD action level of 100 mg/kg, with 23 mg/kg. The chloride concentration was reported as 43 mg/kg.

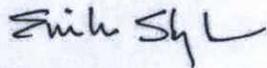
Based on final field sampling and laboratory analytical results of the release assessment at the Newsom #20, VOCs, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

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

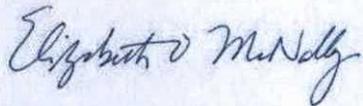
Sincerely,

*Delilah J. Dougi*

Delilah T. Dougi  
Geology Technician



Emilee Skyles  
Geologist/Project Lead

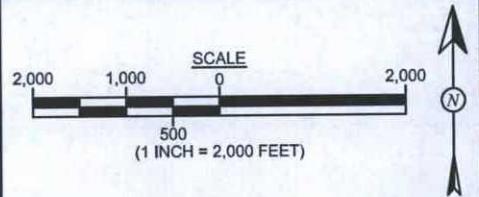
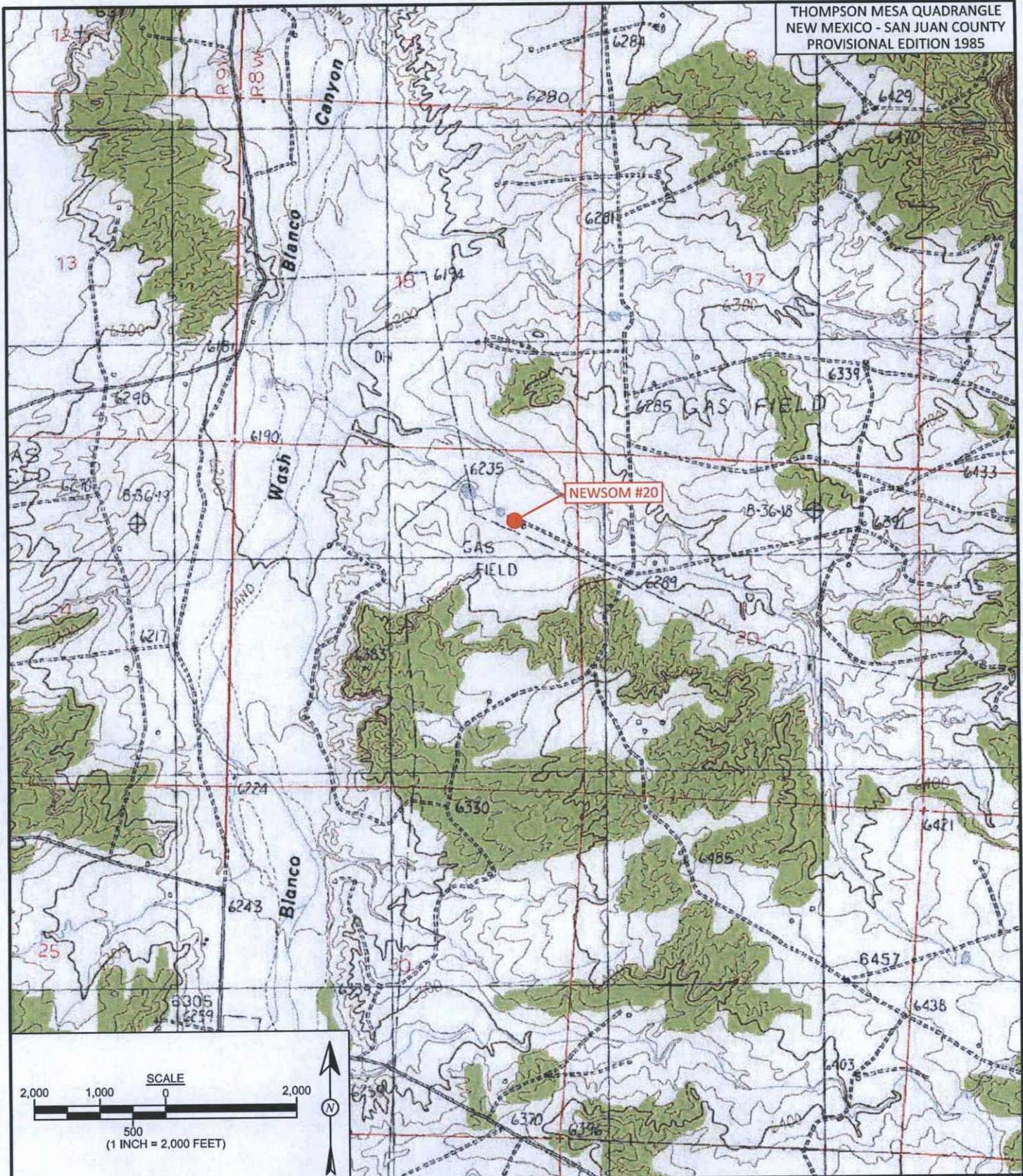


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, October 2015
- Figure 3. Release Assessment Sample Locations and Results, October 2015
- AES Field Sampling Report 101615
- Hall Laboratory Analytical Report 1510836

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Projects\ConocoPhillips\Newsom #20\COPC Newsom #20 Release Assessment Report 112315.docx

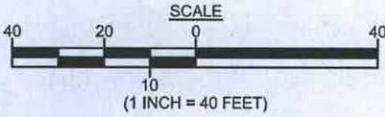
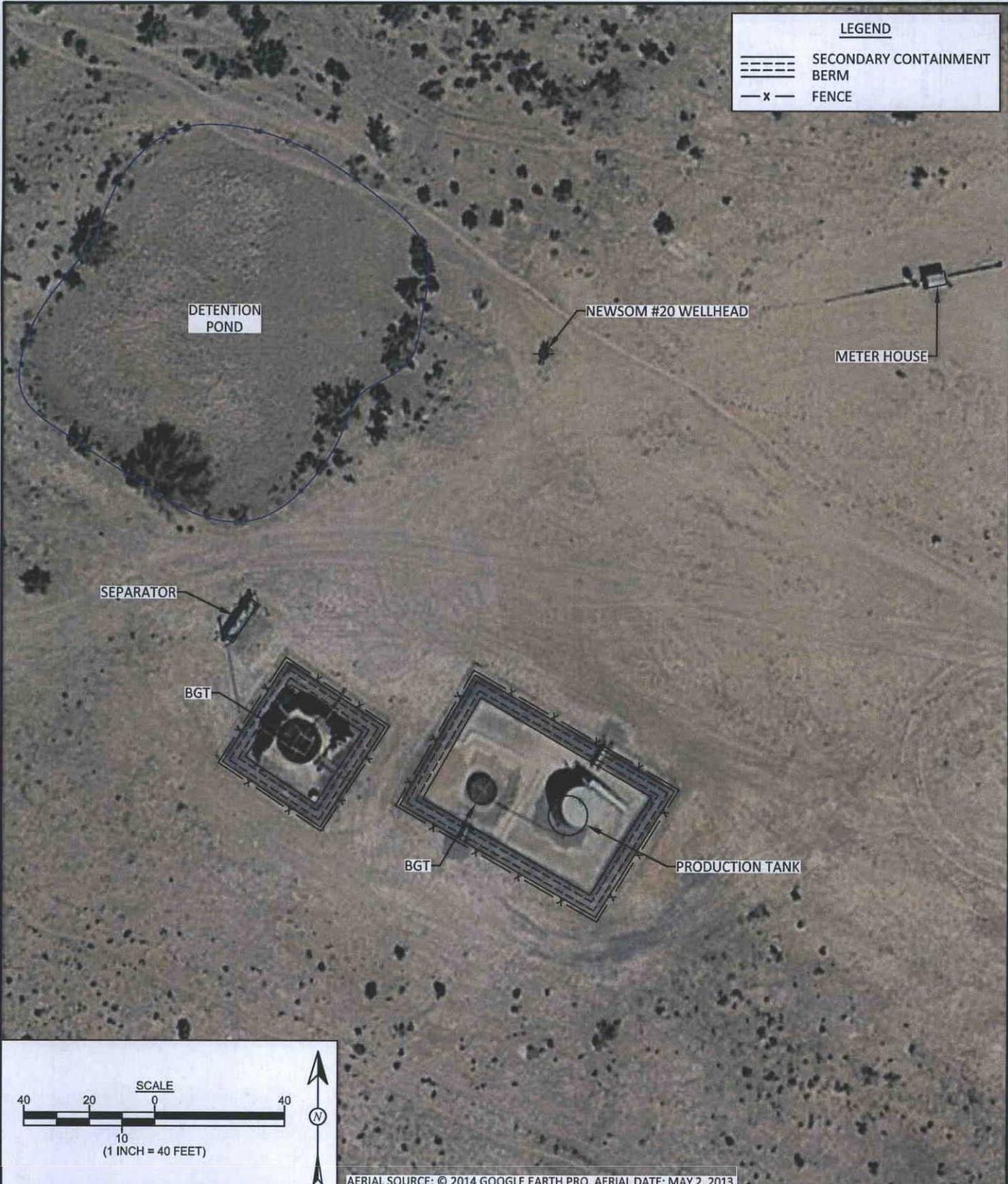



**animas  
 environmental  
 services**  
 Farmington, NM • Durango, CO  
 animasenvironmental.com

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> October 15, 2015
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> October 15, 2015
<b>CHECKED BY:</b> E. Skyles	<b>DATE CHECKED:</b> October 15, 2015
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> October 15, 2015

**FIGURE 1**  
**TOPOGRAPHIC SITE LOCATION MAP**  
 ConocoPhillips  
 NEWSOM #20  
 NE¼ NE¼, SECTION 19, T26N R8W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.47808, W107.71796

LEGEND	
	SECONDARY CONTAINMENT BERM
	FENCE



AERIAL SOURCE: © 2014 GOOGLE EARTH PRO, AERIAL DATE: MAY 2, 2013.



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Farmington, NM • Durango, CO  
animasenvironmental.com

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> October 15, 2015
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> October 16, 2015
<b>CHECKED BY:</b> E. Skyles	<b>DATE CHECKED:</b> October 16, 2015
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> October 16, 2015

## FIGURE 2

**AERIAL SITE MAP  
OCTOBER 2015**  
ConocoPhillips  
NEWSOM #20  
NE¼ NE¼, SECTION 19, T26N R8W  
SAN JUAN COUNTY, NEW MEXICO  
N36.47808, W107.71796



# AES Field Sampling Report

Animas Environmental Services, LLC



Client: ConocoPhillips

Project Location: Newsom #20

Date: 10/16/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1 @ 1'	10/16/2015	9:43	29.8	75.0	10:24	20.0	1	DTD

DF Dilution Factor

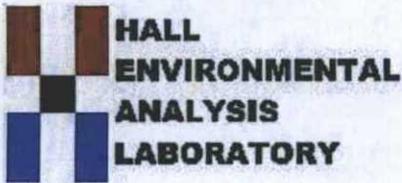
NA Not Analyzed

PQL Practical Quantitation Limit

\*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: *Delilah J. Donaji*



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

October 23, 2015

Emilee Skyles  
Animas Environmental  
604 Pinon Street  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX

RE: CoPC Newsom #20

OrderNo.: 1510836

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/17/2015 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](http://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 1510836

Date Reported: 10/23/2015

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Animas Environmental

Client Sample ID: S-1 @ 1'

Project: CoPC Newsom #20

Collection Date: 10/16/2015 9:43:00 AM

Lab ID: 1510836-001

Matrix: SOIL

Received Date: 10/17/2015 12:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	43	30		mg/Kg	20	10/21/2015 11:07:47 PM	21966
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	12	4.9		mg/Kg	1	10/21/2015 4:42:43 AM	21902
Surr: BFB	106	70-130		%REC	1	10/21/2015 4:42:43 AM	21902
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: KJH
Diesel Range Organics (DRO)	11	10		mg/Kg	1	10/20/2015 10:50:25 PM	21912
Surr: DNOP	97.9	70-130		%REC	1	10/20/2015 10:50:25 PM	21912
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: DJF
Benzene	ND	0.049		mg/Kg	1	10/21/2015 4:42:43 AM	21902
Toluene	ND	0.049		mg/Kg	1	10/21/2015 4:42:43 AM	21902
Ethylbenzene	ND	0.049		mg/Kg	1	10/21/2015 4:42:43 AM	21902
Xylenes, Total	ND	0.097		mg/Kg	1	10/21/2015 4:42:43 AM	21902
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%REC	1	10/21/2015 4:42:43 AM	21902
Surr: 4-Bromofluorobenzene	79.9	70-130		%REC	1	10/21/2015 4:42:43 AM	21902
Surr: Dibromofluoromethane	112	70-130		%REC	1	10/21/2015 4:42:43 AM	21902
Surr: Toluene-d8	86.4	70-130		%REC	1	10/21/2015 4:42:43 AM	21902

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 5
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	R RPD outside accepted recovery limits	RL Reporting Detection Limit	
	S % Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510836

23-Oct-15

Client: Animas Environmental

Project: CoPC Newsom #20

Sample ID	MB-21966	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	21966	RunNo:	29719					
Prep Date:	10/21/2015	Analysis Date:	10/21/2015	SeqNo:	905153	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-21966	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	21966	RunNo:	29719					
Prep Date:	10/21/2015	Analysis Date:	10/21/2015	SeqNo:	905154	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510836

23-Oct-15

**Client:** Animas Environmental

**Project:** CoPC Newsom #20

Sample ID	<b>MB-21923</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>21923</b>	RunNo:	<b>29662</b>					
Prep Date:	<b>10/20/2015</b>	Analysis Date:	<b>10/20/2015</b>	SeqNo:	<b>903291</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		97.7	70	130			

Sample ID	<b>LCS-21923</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>21923</b>	RunNo:	<b>29662</b>					
Prep Date:	<b>10/20/2015</b>	Analysis Date:	<b>10/20/2015</b>	SeqNo:	<b>903292</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	70	130			

Sample ID	<b>MB-21912</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>21912</b>	RunNo:	<b>29662</b>					
Prep Date:	<b>10/19/2015</b>	Analysis Date:	<b>10/20/2015</b>	SeqNo:	<b>903701</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID	<b>LCS-21912</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>21912</b>	RunNo:	<b>29662</b>					
Prep Date:	<b>10/19/2015</b>	Analysis Date:	<b>10/20/2015</b>	SeqNo:	<b>903702</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.8	57.4	139			
Surr: DNOP	4.9		5.000		97.7	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

**QC SUMMARY REPORT**  
**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1510836  
 23-Oct-15

**Client:** Animas Environmental  
**Project:** CoPC Newsom #20

Sample ID	mb-21902	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	21902	RunNo:	29670					
Prep Date:	10/19/2015	Analysis Date:	10/21/2015	SeqNo:	903964	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.3	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.1	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		115	70	130			
Surr: Toluene-d8	0.45		0.5000		89.6	70	130			

Sample ID	lcs-21902	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS	Batch ID:	21902	RunNo:	29670					
Prep Date:	10/19/2015	Analysis Date:	10/21/2015	SeqNo:	903965	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	95.5	70	130			
Toluene	0.95	0.050	1.000	0	95.2	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.0	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.8	70	130			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.8	70	130			
Surr: Dibromofluoromethane	0.57		0.5000		114	70	130			
Surr: Toluene-d8	0.48		0.5000		96.1	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510836

23-Oct-15

Client: Animas Environmental

Project: CoPC Newsom #20

Sample ID	mb-21902	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	21902	RunNo:	29670					
Prep Date:	10/19/2015	Analysis Date:	10/21/2015	SeqNo:	903982	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		104	70	130			

Sample ID	ics-21902	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	21902	RunNo:	29670					
Prep Date:	10/19/2015	Analysis Date:	10/20/2015	SeqNo:	903983	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	70	123			
Surr: BFB	520		500.0		105	70	130			

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
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- RL Reporting Detection Limit



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: **1510836**

RcptNo: **1**

Received by/date: AT 10/17/15

Logged By: **Lindsay Mangin** 10/17/2015 12:10:00 PM *Judy Mangin*

Completed By: **Lindsay Mangin** 10/19/2015 8:07:27 AM *Judy Mangin*

Reviewed By: *JA* 10/19/15

### 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?  
(Note discrepancies on chain of custody) Yes  No
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?  
(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)

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	1.7	Good	Yes			



## Smith, Cory, EMNRD

---

**From:** Hunter, Lisa <Lisa.Hunter@conocophillips.com>  
**Sent:** Tuesday, December 01, 2015 3:07 PM  
**To:** Smith, Cory, EMNRD  
**Subject:** RE: Final C-141 & Final Report Newsom #20

This is one of many I'm finishing up from the "reassignment", so I called AES to confirm. The release was "hydrovaced" by a Spec truck, and the pit was very well lined, up the sides and under the berm, except that one side (south side). There appeared to a little loss of integrity there. So after the Spec truck was done, AES pulled back the edge of the liner in question and dug down to collect a sample to ensure no contamination, leaving the rest of the liner intact.

*Lisa Hunter*

Field Environmental Specialist  
ConocoPhillips Company

505.258.1607

Lisa.Hunter@cop.com

*"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."*

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**From:** Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
**Sent:** Tuesday, December 01, 2015 2:08 PM  
**To:** Hunter, Lisa <Lisa.Hunter@conocophillips.com>  
**Subject:** [EXTERNAL]RE: Final C-141 & Final Report Newsom #20

Lisa,

I have some concern in regards to the sampling area for this site. Just from a quick glance is there a reason why the sample was taken on the what appears to be the up gradient side of the release and how come the sample collected one only a discreet grab sample?

Thank you,

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

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**From:** Hunter, Lisa [mailto:Lisa.Hunter@conocophillips.com]

**Sent:** Tuesday, December 01, 2015 10:07 AM  
**To:** Smith, Cory, EMNRD; Deimer Katherina ([kdiemer@blm.gov](mailto:kdiemer@blm.gov))  
**Cc:** Thrasher, Heidi  
**Subject:** Final C-141 & Final Report Newsom #20

Good Morning -

Please find the attached Final C-141 for the Newsom 20.

<< File: Newsom 20 Final C-141.pdf >>      << File: Newsom #20 Release Assessment Report 112315.pdf >>

NMOCD,

A hard copy has been placed in the out-going mail.

Any questions or concerns, please feel free to contact me by email.

*Lisa Hunter*

Field Environmental Specialist  
ConocoPhillips Company  
P O Box 4289  
[Lisa.Hunter@cop.com](mailto:Lisa.Hunter@cop.com)  
Cell: 505.258.1607

*"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."*