

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

Revised

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: San Juan 28-7 Unit 222	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner: Federal SF 079294	API No. 30-039-21003
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LOCATION OF RELEASE

Unit Letter K	Section 25	Township T28N	Range R07W	Feet from the 1490	North/South Line South	Feet from the 1480	East/West Line West	County Rio Arriba
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Latitude **36.629171** Longitude **-107.52827**

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Unknown	Volume Recovered 0
Source of Release BGT Activities	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/18/2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD JAN 29 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **Contaminated soil associated with a historical release was discovered during an equipment reset, on March 18, 2013. Third party environmental was contracted for an assessment.**

Describe Area Affected and Cleanup Action Taken.*

The historical release was discovered during equipment reset near the former below grade tank. The final excavation was approximately 30 feet by 21 feet by 10-12 feet in depth. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.

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: <i>Lindsay Dumas</i>	OIL CONSERVATION DIVISION	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist: <i>Justin D. Kelly</i>	
Title: Field Environmental Specialist	Approval Date: 11/12/2014	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/8/2013 Phone: (505) 599-4089		

* Attach Additional Sheets If Necessary

NJK:431650293

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips	Contact Lindsay Dumas
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 599-4089
Facility Name: San Juan 28-7 Unit 222	Facility Type: Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 30-039-21003
-------------------------------	-------------------------------	-----------------------------

LOCATION OF RELEASE

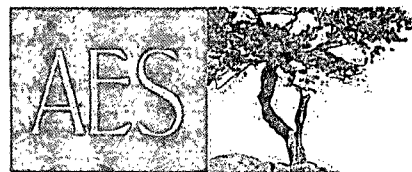
Unit Letter K	Section 25	Township T28N	Range R07W	Feet from the 1490	North/South Line South	Feet from the 1480	East/West Line West	County Rio Arriba
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Latitude **36.629171** Longitude **-107.52827**

NATURE OF RELEASE

Type of Release Historic Release	Volume of Release Unknown	Volume Recovered Unknown
Source of Release Unknown	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3/18/2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD OCT 10 '13	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Contaminated soil associated with a historical release was discovered during an equipment reset, on March 18, 2013. Third party environmental was contracted for an assessment.		
Describe Area Affected and Cleanup Action Taken.* Historical hydrocarbon impacted soil was found during an equipment reset at this location. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.		
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: <u><i>Lindsay Dumas</i></u>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Lindsay Dumas	Approved by Environmental Specialist:	
Title: Field Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: Lindsay.Dumas@conocophillips.com	Conditions of Approval:	
Date: 10/8/2013 Phone: (505) 599-4089	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

September 9, 2013

Lisa Hunter
ConocoPhillips
San Juan Business Unit
Office 214-4
5525 Hwy 64
Farmington, New Mexico 87401

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

**RE: Initial Assessment and Final Excavation Report
San Juan 28-7 #222
Rio Arriba County, New Mexico**

Dear Ms. Hunter:

On March 21, 2013, Animas Environmental Services, LLC (AES) completed environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 28-7 #222, located in Rio Arriba County, New Mexico. The historical release was discovered during an equipment reset near the former below grade tank (BGT) at the location. The final excavation was completed by CoP contractors while AES was onsite.

1.0 Site Information

1.1 Location

Location - NW¼ SW¼, Section 25, T28N, R7W, Rio Arriba County, New Mexico

Well Head Latitude/Longitude - N36.62918 and W107.52886, respectively

Release Location Latitude/Longitude - N36.62912 and W107.52859, respectively

Land Jurisdiction - Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, March 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 40 based on the following factors:

- **Depth to Groundwater:** A C-144 form dated March 2008 for the San Juan 28-7 #211G well, located approximately 2,000 feet northeast of the release area, reported the depth to groundwater as less than 50 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:** An unnamed wash is located approximately 80 feet southeast of the location and drains to the wash in Adams Canyon. (20 points)

1.3 Assessment

AES was initially contacted by Doyle Clark of CoP on March 18, 2013, and on the same day, Heather Woods and Kelsey Christianson of AES completed the release assessment field work. The assessment included collection and field screening of five soil samples from in and around the BGT/historic release area. Based on the field screening results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On March 21, 2013, AES returned to the location to provide excavation oversight and continued field screening of the release excavation. The field screening activities included collection of five confirmation soil samples of the walls and base of the final excavation. The final excavation was approximately 30 feet by 21 feet by 10 to 12 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

During the initial assessment on March 18, 2013, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT/historic release area. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbon (TPH). Soil sample locations are included on Figure 3.

On March 21, 2013, a total of five composite soil samples (SC-1 through SC-5) were collected from the four walls and the base of the final excavation during the excavation confirmation sampling. All soil samples were field screened for VOCs and were also analyzed for TPH.

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 Field Screening Results

On March 18, 2013, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 12.9 ppm in S-5 up to 3,575 ppm in S-2. Field TPH concentrations ranged from 36.9 mg/kg in S-3 up to greater than 2,500 mg/kg in S-2.

On March 21, 2013, final excavation field screening results for VOCs via OVM showed concentrations ranging from 3.9 ppm in SC-4 to 33.1 ppm in SC-1. Field TPH concentrations ranged from less than 20 mg/kg in SC-1, SC-3, and SC-4 up to 46.8 mg/kg in SC-5. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Screening Reports are attached.

Table 1. Soil Field Screening VOCs and TPH Results
San Juan 28-7 #222 Initial Assessment and Final Excavation, March 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>			<i>100</i>	<i>100</i>
S-1	3/18/13	0.5	72.6	129
S-2	3/18/13	0.5	3,575	>2,500
S-3	3/18/13	0.5	29.1	36.9
S-4	3/18/13	0.5	262	119
S-5	3/18/13	0.5	12.9	39.6
SC-1	3/21/13	1 to 8	33.1	<20.0
SC-2	3/21/13	1 to 10	16.9	25.7
SC-3	3/21/13	1 to 10	28.2	<20.0

<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	100
SC-4	3/21/13	1 to 12	3.9	<20.0
SC-5	3/21/13	10 to 12	32.9	46.8

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

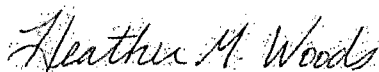
3.0 Conclusions and Recommendations

On March 18, 2013, AES conducted an initial assessment of petroleum contaminated soils associated with a historical release discovered during an equipment reset at the San Juan 28-7 #222. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 40. Field screening results above the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH were reported in S-1, S-2, and S-4. The highest VOC and TPH concentrations were reported in S-2 with 3,575 ppm and greater than 2,500 mg/kg, respectively.

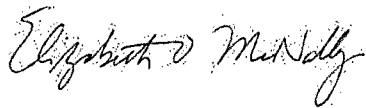
On March 21, 2013, final excavation of the assessment was completed. Field screening results of the final excavation extents showed that VOC and TPH concentrations were below applicable NMOCD action levels for all of the final four walls and the base of the excavation. Based on the final field screening results of the excavation of petroleum contaminated soils at the San Juan 28-7 #222, VOC 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 Deborah Watson at (505) 564-2281.

Sincerely,



Heather M. Woods, P.G.
Project Manager

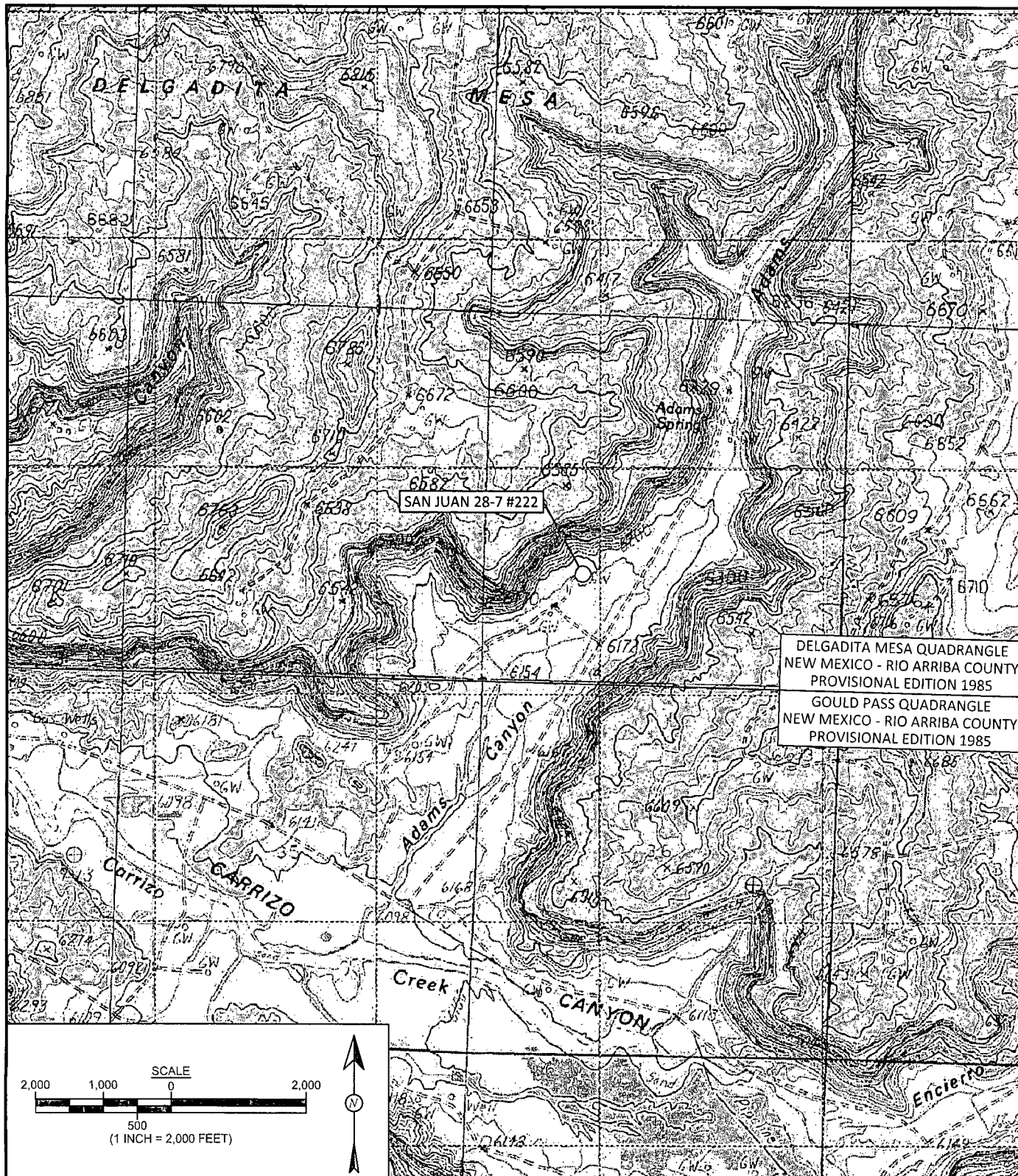


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, March 2013
- Figure 3. Initial Assessment Sample Locations and Results, March 2013
- Figure 4. Final Excavation Soil Sample Locations and Results, March 2013
- AES Field Screening Reports 031813 and 032113

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\SJ 28-7 #222\SJ 28-7 #222 Final Excavation Report 090913.docx



DELGADITA MESA QUADRANGLE
NEW MEXICO - RIO ARriba COUNTY
PROVISIONAL EDITION 1985

GOULD PASS QUADRANGLE
NEW MEXICO - RIO ARriba COUNTY
PROVISIONAL EDITION 1985

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

ConocoPhillips
SAN JUAN 28-7 #222
NW¼ SW¼, SECTION 25, T28N, R7W
RIO ARriba COUNTY, NEW MEXICO
N36.62918, W107.52886



Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
April 3, 2013

REVISIONS BY:
C. Lameman

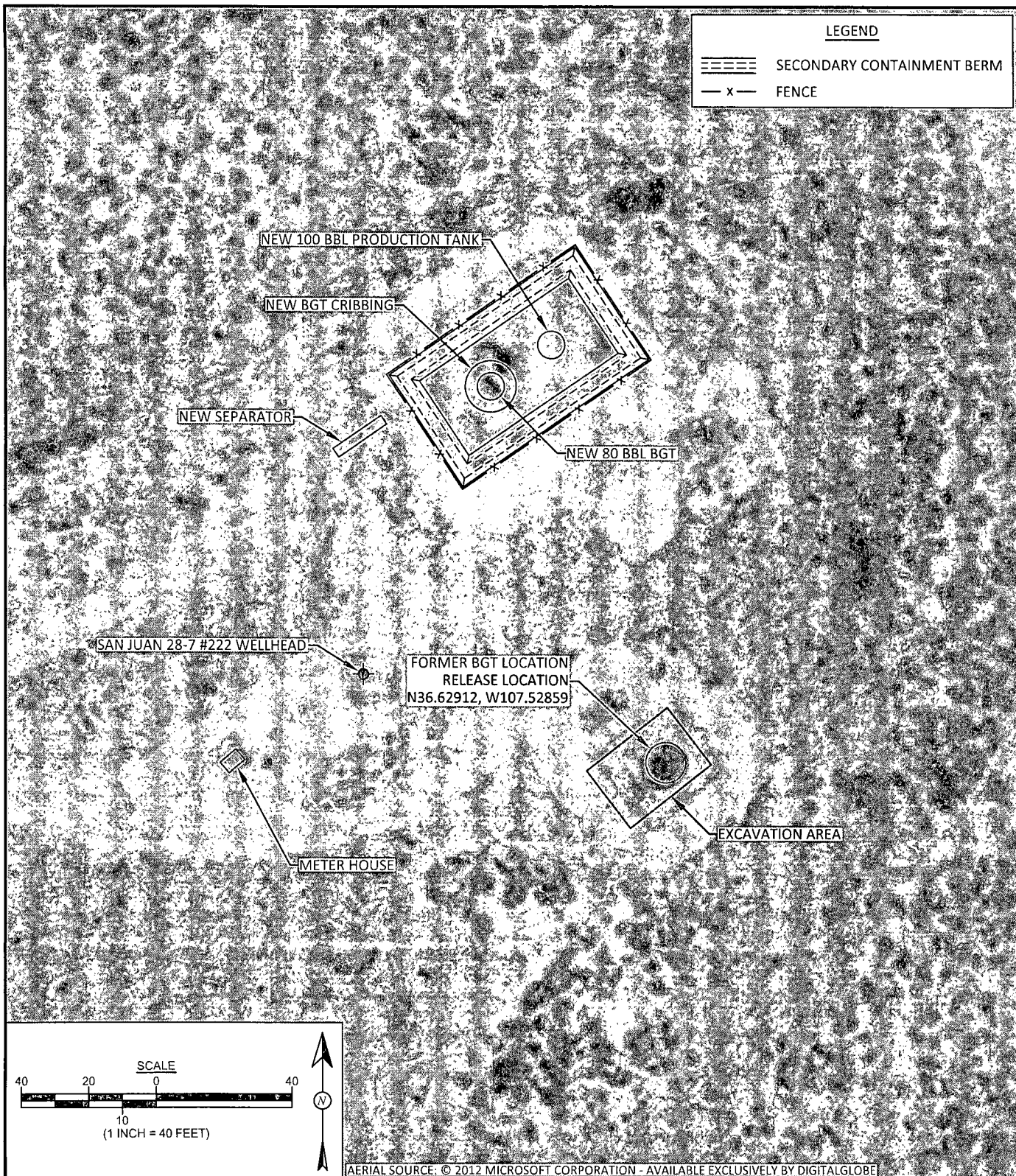
DATE REVISED:
April 3, 2013

CHECKED BY:
D. Watson

DATE CHECKED:
April 3, 2013

APPROVED BY:
E. McNally

DATE APPROVED:
April 3, 2013



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 3, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 3, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 3, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 3, 2013

FIGURE 2

**AERIAL SITE MAP
MARCH 2013**
ConocoPhillips
SAN JUAN 28-7 #222
NW¼, SW¼, SECTION 25, T28N, R7W
RIO ARriba COUNTY, NEW MEXICO
N36.62918, W107.52886

FIGURE 3

INITIAL ASSESSMENT SAMPLE
LOCATIONS AND RESULTS
MARCH 2013
ConocoPhillips
SAN JUAN 28-7 #222
NW¼ SW¼, SECTION 25, T28N, R7W
RIO ARriba COUNTY, NEW MEXICO
N36.62918, W107.52886

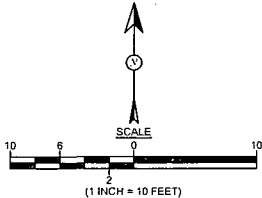


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 3, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 3, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 3, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 3, 2013

LEGEND

● SAMPLE LOCATION



SAN JUAN 28-7 #222 WELLHEAD

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NIMOC ACTION LEVEL			100	100
S-1	3/18/13	0.5'	72.6	129
S-2	3/18/13	0.5	3,575	>2,500
S-3	3/18/13	0.5	29.1	36.9
S-4	3/18/13	0.5	262	119
S-5	3/21/13	0.5	12.9	39.6

FORMER BGT LOCATION
RELEASE LOCATION
N36.62912, W107.52859

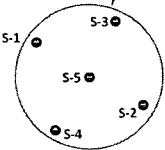


FIGURE 4

**FINAL EXCAVATION SAMPLE
LOCATIONS AND RESULTS
MARCH 2013**
ConocoPhillips
SAN JUAN 28-7 #222
NW¼, SW¼, SECTION 25, T28N, R7W
RIO ARriba COUNTY, NEW MEXICO
N36.62918, W107.52886

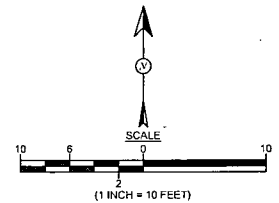


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: April 3, 2013
REVISIONS BY: C. Lameman	DATE REVISED: April 3, 2013
CHECKED BY: D. Watson	DATE CHECKED: April 3, 2013
APPROVED BY: E. McNally	DATE APPROVED: April 3, 2013

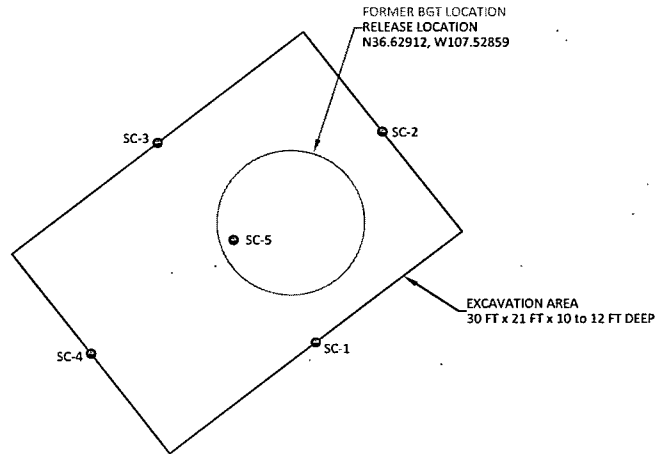
LEGEND

● SAMPLE LOCATION



SAN JUAN 28-7 #222 WELLHEAD

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-1	3/21/13	1 to 8	33.1	<20.0
SC-2	3/21/13	1 to 10	16.9	25.7
SC-3	3/21/13	1 to 10	28.2	<20.0
SC-4	3/21/13	1 to 12	3.9	<20.0
SC-5	3/21/13	10 to 12	32.9	46.8
ALL SAMPLES WERE COMPOSITE SAMPLES.				
NA - NOT ANALYZED				



AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: ConocoPhillips

Project Location: San Juan 28-7 #222

Date: 3/18/2013

Matrix: Soil

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

Durango, Colorado
970-403-3084

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	3/18/2013	14:18	North	72.6	15:11	129	20.0	1	HMW
S-2	3/18/2013	14:20	South	3,575	15:15	>2,500	20.0	1	HMW
S-3	3/18/2013	14:22	East	29.1	15:20	36.9	20.0	1	HMW
S-4	3/18/2013	14:24	West	262	15:24	119	20.0	1	HMW
S-5	3/18/2013	14:26	Center	12.9	15:28	39.6	20.0	1	HMW

PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
NA Not Analyzed
DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Leather M Woods

AES Field Screening Report



Animas Environmental Services, LLC

www.animaseenvironmental.com

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

Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: San Juan 28-7 #222

Date: 3/21/2013

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	3/21/2013	8:30	East Wall	33.1	9:01	<20.0	20.0	1	HMW
SC-2	3/21/2013	10:04	North Wall	16.9	10:38	25.7	20.0	1	HMW
SC-3	3/21/2013	8:34	West Wall	28.2	9:05	<20.0	20.0	1	HMW
SC-4	3/21/2013	8:36	South Wall	3.9	9:08	<20.0	20.0	1	HMW
SC-5	3/21/2013	12:57	Base	32.9	13:16	46.8	20.0	1	HMW

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

NA Not Analyzed

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Heather M. Woods