

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 August 8, 2011

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 30th St, Farmington, NM	Telephone No. (505) 326-9786
Facility Name: Lindrith B #10	Facility Type: Oil Well

Surface Owner BLM	Mineral Owner BLM	API No. 3003922402
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LOCATION OF RELEASE

Unit Letter J	Section 34	Township 24N	Range 03W	Feet from the 1810'	North/South Line South	Feet from the 1810'	East/West Line East	County Rio Arriba
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Latitude **36.26482** Longitude **-107.1407**

NATURE OF RELEASE

Type of Release Historic Contamination	Volume of Release Unknown	Volume Recovered 200 yds
Source of Release Production Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 10/14/2013 @ 9:00 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

RCVD JAN 17 '14


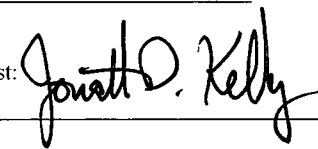
**OIL CONS. DIV.
DIST. 3**

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

Describe Cause of Problem and Remedial Action Taken.* Historic contamination discovered during a facility reset (tank inspection). Affected area was sampled and delineated by third-party environmental.

Describe Area Affected and Cleanup Action Taken.* Historical hydrocarbon impacted soil was discovered during facility reset. The excavation was 49' x 25' x 2-10' in depth and 200 yds of soil was transported to IEI land farm and 200 yds of clean soil was placed in the excavation site. Analytical results were below the regulatory standards – no further action required. The soil sampling report is attached for review.
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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.
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Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Lisa Hunter	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 9/4/2014	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 01/15/14 Phone: (505) 326-9786		

* Attach Additional Sheets If Necessary

NJA 1424754079



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

January 7, 2014

Lindsay Dumas
ConocoPhillips
San Juan Business Unit
Office 214-07
5525 Hwy 64
Farmington, New Mexico 87401

Via electronic mail to:

SJBUE-Team@ConocoPhillips.com

**RE: Final Excavation Report
Lindrith B #10
Rio Arriba County, New Mexico**

Dear Ms. Dumas:

On October 10 and 14, 2013, Animas Environmental Services, LLC (AES) completed an environmental clearance of the final excavation limits at the ConocoPhillips (CoP) Lindrith B #10, located in Rio Arriba County, New Mexico. The historic release was discovered beneath the production tanks during facility reset activities. The final excavation was completed by CoP contractors while AES was on location on October 14, 2013.

1.0 Site Information

1.1 Location

Site Name – Lindrith B#10

Location – NW¼ SE¼, Section 34, T24N, R3W, Rio Arriba County, New Mexico

Well Head Latitude/Longitude – N36.26477 and W107.14126, respectively

Release Location Latitude/Longitude – N36.26511 and W107.14130, respectively

Land Jurisdiction – Private

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 10 based on the following factors:

- **Depth to Groundwater:** No depth to groundwater data was available for this location. Using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance, estimated depth to groundwater at the site is greater than 100 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:** Approximately 900 feet to the east is an unnamed wash which is a tributary to the wash in Medio Canyon. (10 points)

1.3 Assessment

AES was initially contacted by Lisa Hunter of CoP on October 10, 2013, and on the same day, Deborah Watson of AES mobilized to the location. Excavation activities were halted on October 10 due to weather. On October 14, 2013, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of eight confirmation soil samples from the walls and base of the excavation. The area of the final excavation was approximately 49 feet by 25 feet by 2 to 10 feet in depth. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

A total of eight composite samples (SC-1 through SC-8) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and total petroleum hydrocarbons (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 October 14, 2013, final excavation field screening results for VOCs via OVM ranged from 2.1 ppm in SC-1 up to 64.0 ppm in SC-3. Field TPH concentrations ranged from 122 mg/kg in SC-2 up to 541 mg/kg in SC-5. Results are included below in Table 1 and on Figure 3. The AES Field Screening Reports are attached.

Table 1. Field Screening VOCs and TPH Results
Lindrith B #10 Final Excavation, 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>			<i>100</i>	<i>1,000</i>
SC-1	10/14/13	1 to 10	2.1	249
SC-2	10/14/13	1 to 10	28.0	122
SC-3	10/14/13	10	64.0	296
SC-4	10/14/13	1 to 2	20.0	358
SC-5	10/14/13	10	13.1	541
SC-6	10/14/13	1 to 10	35.8	520
SC-7	10/14/13	1 to 10	31.8	248
SC-8	10/14/13	1 to 10	3.5	510

NA – not analyzed

*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 14, 2013, AES completed environmental clearance of the final excavation limits of petroleum contaminated soils associated with a historic release at the Lindrith B #10. 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 10. Field screening results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls and base of the excavation. Field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for the final walls and base of the excavation.

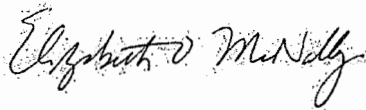
Based on final field screening of the excavation of petroleum contaminated soils at the Lindrith B #10, VOC and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

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

Sincerely,



David J. Reese
Environmental Scientist

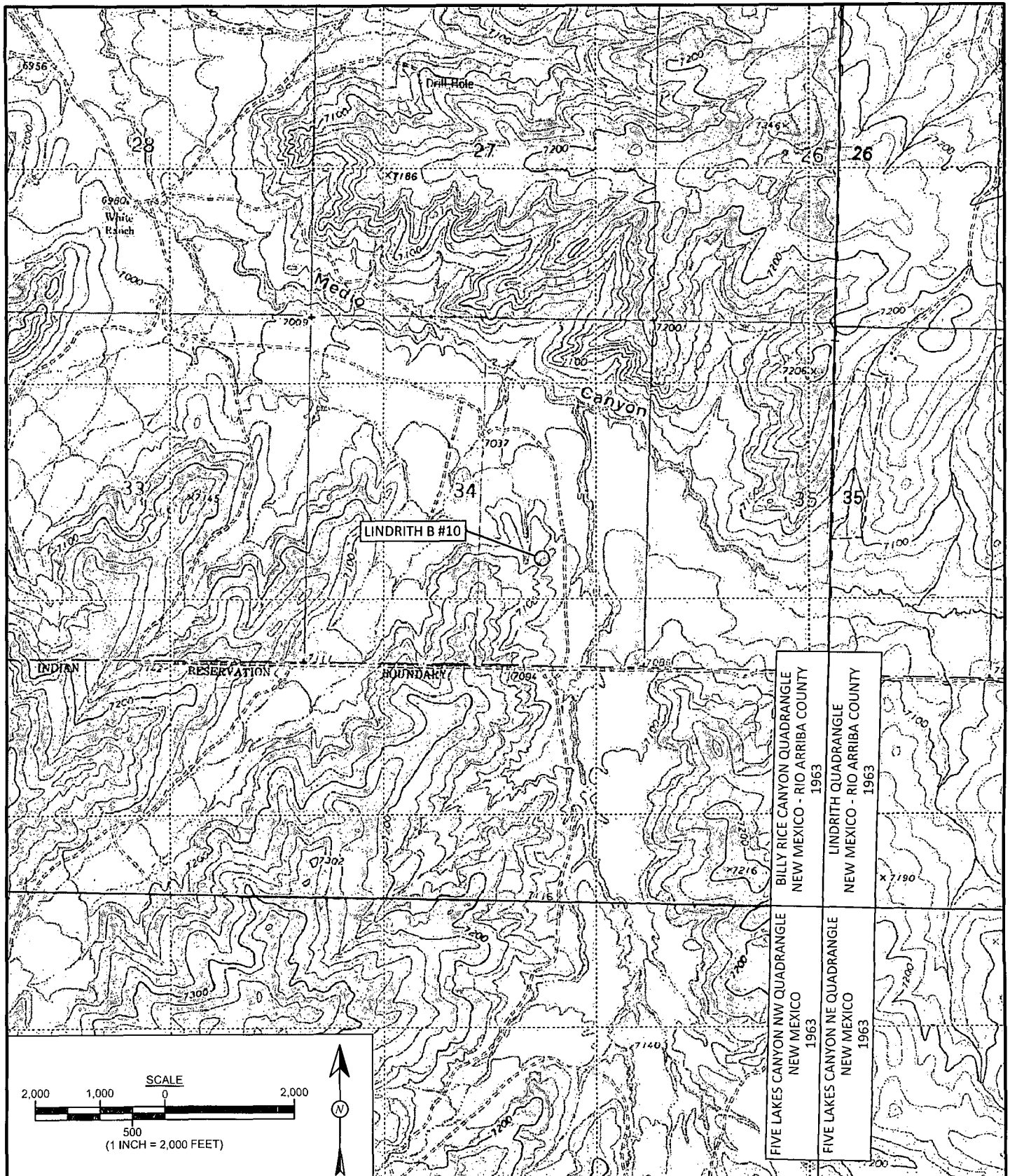


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, October 2013
- Figure 3. Final Excavation Sample Locations and Results, October 2013
- AES Field Screening Report 101413

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BILLY RICE CANYON QUADRANGLE
NEW MEXICO - RIO ARRIBA COUNTY
1963

LINDRITH QUADRANGLE
NEW MEXICO - RIO ARRIBA COUNTY
1963

FIVE LAKES CANYON NW QUADRANGLE
NEW MEXICO
1963

FIVE LAKES CANYON NE QUADRANGLE
NEW MEXICO
1963

FIGURE 1



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: November 6, 2013
REVISIONS BY: C. Lameman	DATE REVISED: November 6, 2013
CHECKED BY: D. Watson	DATE CHECKED: January 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: January 7, 2014

TOPOGRAPHIC SITE LOCATION MAP
ConocoPhillips
LINDRITH B #10
NW¼ SE¼, SECTION 34, T24N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36.26477, W107.14126

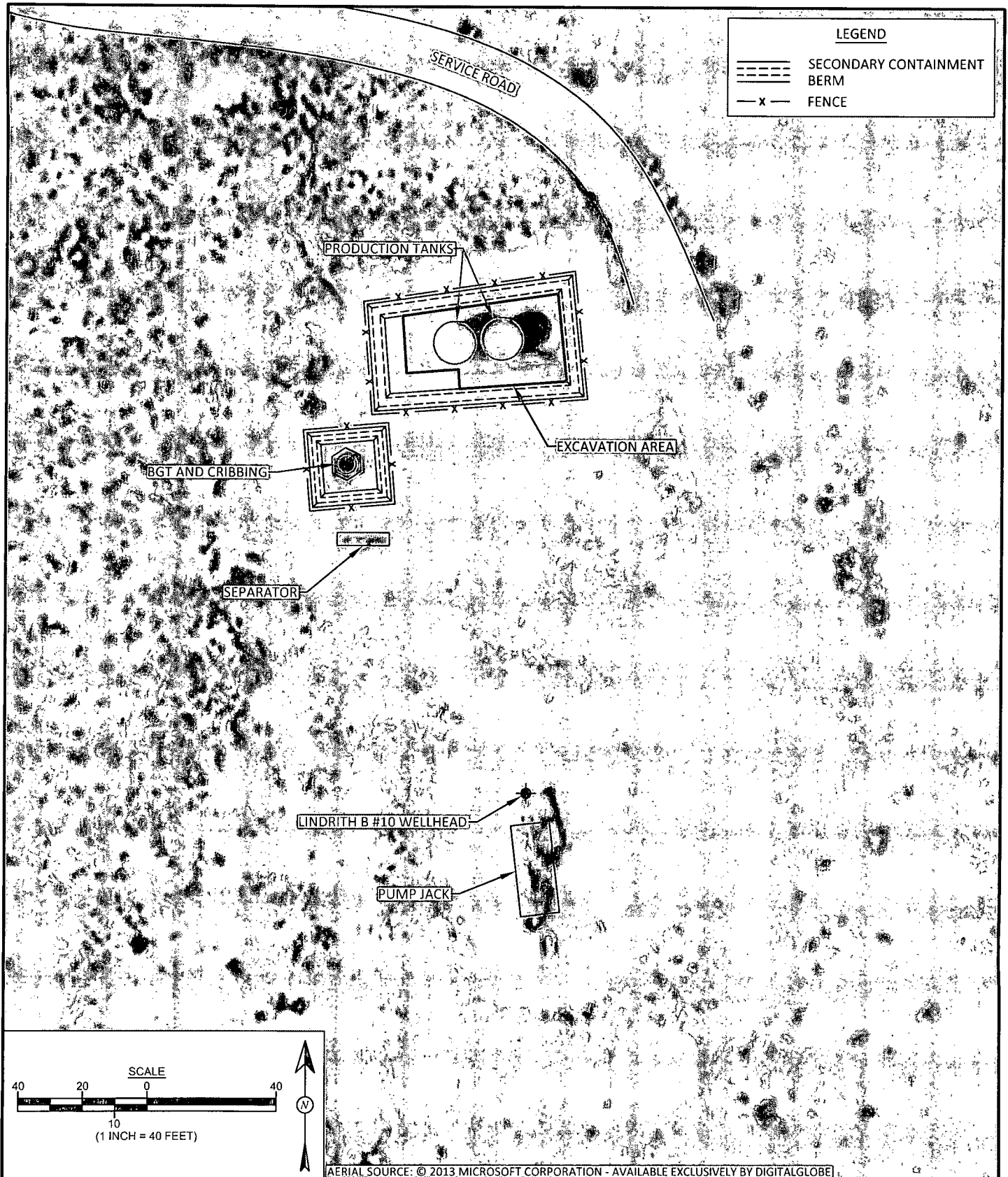


FIGURE 2

**AERIAL SITE MAP
OCTOBER 2013**

ConocoPhillips
LINDRITH B #10
NW¼ SE¼, SECTION 34, T24N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.26477, W107.14126



DRAWN BY: C. Lameman	DATE DRAWN: November 6, 2013
REVISIONS BY: C. Lameman	DATE REVISED: November 6, 2013
CHECKED BY: D. Watson	DATE CHECKED: January 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: January 7, 2014

FIGURE 3

**FINAL EXCAVATION SAMPLE
LOCATIONS AND RESULTS
OCTOBER 2013**
ConocoPhillips
LINDRITH B #10
NW¼, SE¼, SECTION 34, T24N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.26477, W107.14126

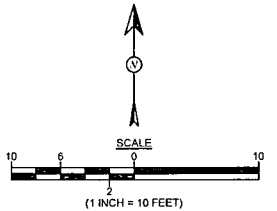


Animas Environmental Services, LLC

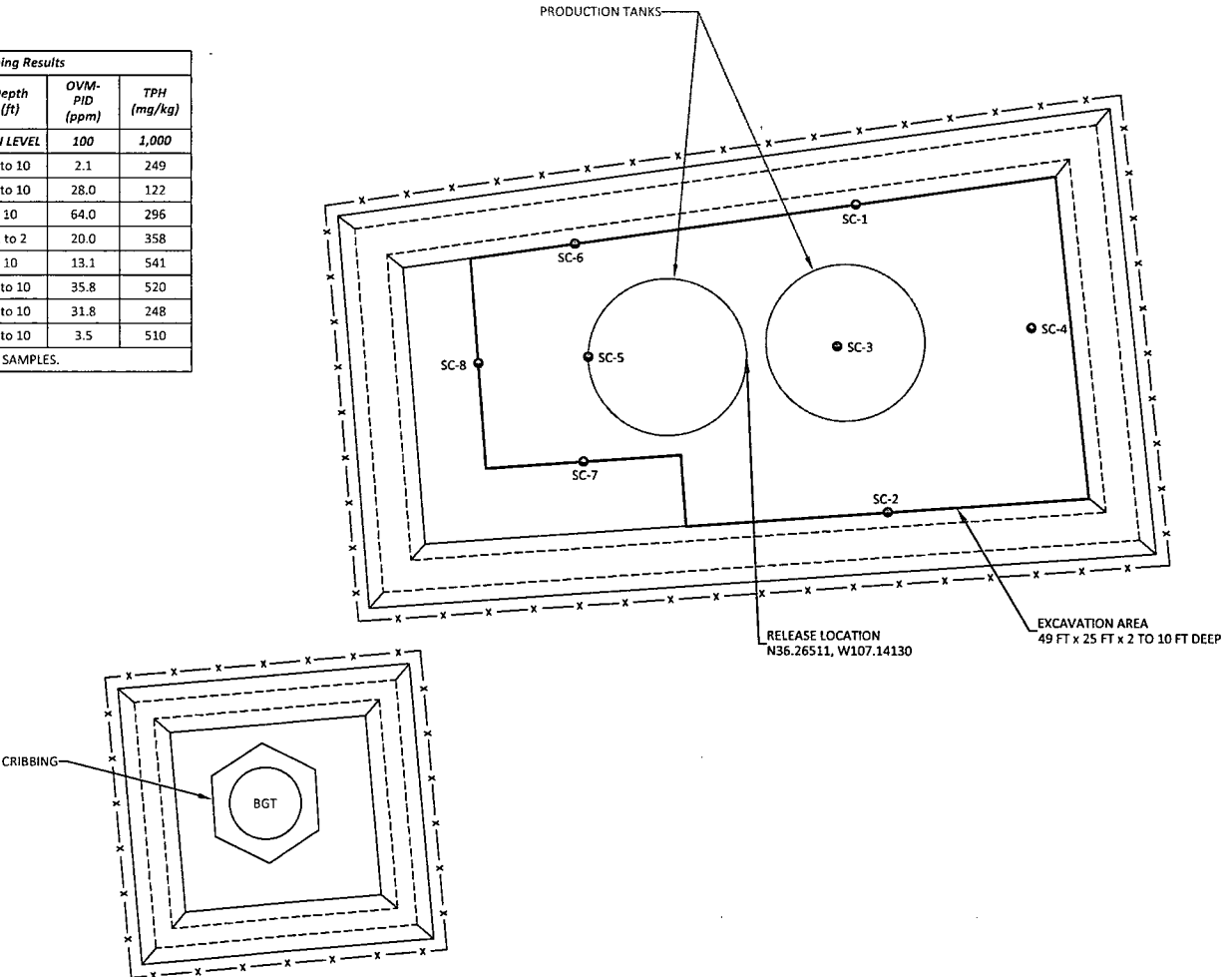
DRAWN BY: C. Lameman	DATE DRAWN: November 6, 2013
REVISIONS BY: C. Lameman	DATE REVISED: November 6, 2013
CHECKED BY: D. Watson	DATE CHECKED: January 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: January 7, 2014

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x- FENCE



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SC-1	10/14/13	1 to 10	2.1	249
SC-2	10/14/13	1 to 10	28.0	122
SC-3	10/14/13	10	64.0	296
SC-4	10/14/13	1 to 2	20.0	358
SC-5	10/14/13	10	13.1	541
SC-6	10/14/13	1 to 10	35.8	520
SC-7	10/14/13	1 to 10	31.8	248
SC-8	10/14/13	1 to 10	3.5	510
ALL SAMPLES WERE COMPOSITE SAMPLES.				



AES Field Screening Report



Animas Environmental Services, LLC

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

Durango, Colorado
970-403-3084

Client: ConocoPhillips

Project Location: Lindrith B #10

Date: 10/14/2013

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	10/14/2013	12:40	North Wall (East)	2.1	13:21	249	20.0	1	DAW
SC-2	10/14/2013	12:43	South Wall (East)	28.0	13:27	122	20.0	1	DAW
SC-3	10/14/2013	12:45	Base (East)	64.0	13:32	296	20.0	1	DAW
SC-4	10/14/2013	12:48	East Wall	20.0	13:23	358	20.0	1	DAW
SC-5	10/14/2013	15:10	Base (West)	13.1	15:30	541	20.0	1	DAW
SC-6	10/14/2013	15:32	North Wall (West)	35.8	15:48	520	20.0	1	DAW
SC-7	10/14/2013	15:34	South Wall (West)	31.8	15:51	248	20.0	1	DAW
SC-8	10/14/2013	15:36	West Wall	3.5	15:54	510	20.0	1	DAW

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.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Debrah Wata