

**REMEDIATION SUMMARY  
&  
SITE CLOSURE REQUEST**

**BOPCO, L.P.  
POKER LAKE UNIT #213 (SWD)  
(Spill dated 6/23/12)  
API-30-015-33859  
Eddy County, New Mexico  
UL-P, Section 18, Twns. 24 South, Range 30 East  
Latitude N 32.212384° Longitude W 103.914812°  
NMOCD Spill reference #2RP-1221**

Prepared By:

**BOPCO, L.P.  
522 W. Mermod, Suite 704  
Carlsbad, N.M. 88220**

January 2016

**Tony Savoie  
Waste Management & Remediation Specialist**

**Site History:**

On the 6/23/12 BOPCO L.P. was notified by Horizon Trucking that a transport truck hit the South West edge of the 0 Perm containment and had also damage a 3" poly line coming into the SWD. The poly line spilled produced water onto the SWD pad and traveled off-site onto the pasture area South and South West of the tank battery.

A C-141 spill report was submitted to the NMOCD on 7/9/12 stating that 60 bbls of produced water had been released, with 10 bbls. recovered from the pad area that impacted approximately 4,050 square feet of pad area and approximately 6,900 square ft. of pasture area. The spill was given spill report #2RP-1221. The initial Form C-141 is included with this report.

The BLM reviewed the site along with others on 6/27/12, and suggested leaving the ponded and flow path area alone until a sampling event could be conducted to determine the impact on re-vegetation.

**NMOCD SITE CLASSIFICATION:**

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 18, Township 24 South, Range 30 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately one hundred and seventy-five feet (175') below ground surface (bgs).

Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the PLU#211 release site has an initial ranking score of zero (0) points. The soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 5,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site specific basis.

## **SUMMARY OF SOIL REMEDATION ACTIVITIES**

Beginning on 1/23/15 Basin Environmental began a sampling event of the release point, pad area, lease road, and run over area just to the south of the SWD road and pad area. The pad area was referenced to area "Yellow" and the flow path area was referenced to area "Blue."

The sampling event revealed that all of the areas in the lease road, bar ditch and pasture area were below the remediation action level "RAL" for TPH, BTEX and Chlorides.

The sample locations and analysis were discussed with the NMOCD in a meeting on 3/4/15. It was determined that the areas on the pad would be excavated to approximately 2 ft. in depth. This would include the "Yellow Sample Points #2, #4, #7, #10 and #11.

From a time period beginning on 3/24/15 and concluding on 3/26 /15, Basin excavated and hauled approximately 223 tons of chloride impacted soil to Lea Land, Inc. (NMOCD Permit # WM-01-035). The excavation was backfilled and compacted with locally purchased clean caliche.

## **SITE CLOSURE REQUEST**

The soil sample results at the PLU-213 SWD location have met the objectives defined in the NMOCD guidelines for the remediation of leaks and spills. BOPCO, L.P. hereby request the NMOCD to grant closure for the release at the spill site.

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 in  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nJMW1219528557  
Name of Company: BOPCO, L.P. 260737  
Address: 522 W. Mermod, Suite 704  
Carlsbad, N.M. 88220  
Facility Name: Poker Lake Unit 213 SWD  
Facility Type: Salt Water Disposal Tank Battery  
Surface Owner: Federal  
Mineral Owner: Federal  
API No. 30-015-33859

OPERATOR

☒ Initial Report ☐ Final Report

Contact: Tony Savoie  
Telephone No. 432-556-8730

LOCATION OF RELEASE

Unit Letter P	Section 18	Township 24S	Range 30E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude: N 32.212384

Longitude: W 103.914812

NATURE OF RELEASE

Type of Release Produced Water Source of Release 3" Poly Line	Volume of Release 60 bbls Date and Hour of Occurrence: 6/23/12 Approximately 11:00 p.m.	Volume Recovered 10 bbls Date and Hour of Discovery: 6/23/12 Approximately 11:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD Emergency #104	
By Whom? Tony Savoie	Date and Hour 6/24/12 11:15 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A transport truck owned by Horizon Trucking ran over the S.W. corner of the 0 perm containment breaking a 3" poly line. The water transfer pump was shut down by the night pumper. The broken line and fitting were repaired the next day.		
Describe Area Affected and Cleanup Action Taken.* Approximately 4050 sq.ft. of caliche pad and road along with approximately 6900 sq.ft. of pasture land was affected by the release. The water standing on the caliche pad area was removed with a vacuum truck. All of the fluid released into the pasture soaked into the ground. The spill area was reviewed with the BLM on 6/27/12. A remediation plan will be submitted along with the BLM recommendation.		

RECEIVED

JUL 09 2012

NMOCD ARTESIA

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: Tony Savoie  
Printed Name: Tony Savoie  
Title: Waste Mgmt. and Remediation Specialist

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Signed By: [Signature]

JUL 13 2012

Approval Date:

Expiration Date:

E-mail Address: tasavoie@basspet.com

Conditions of Approval:

Attached ☐

Date: 7/9/12

Phone: 432-556-8730

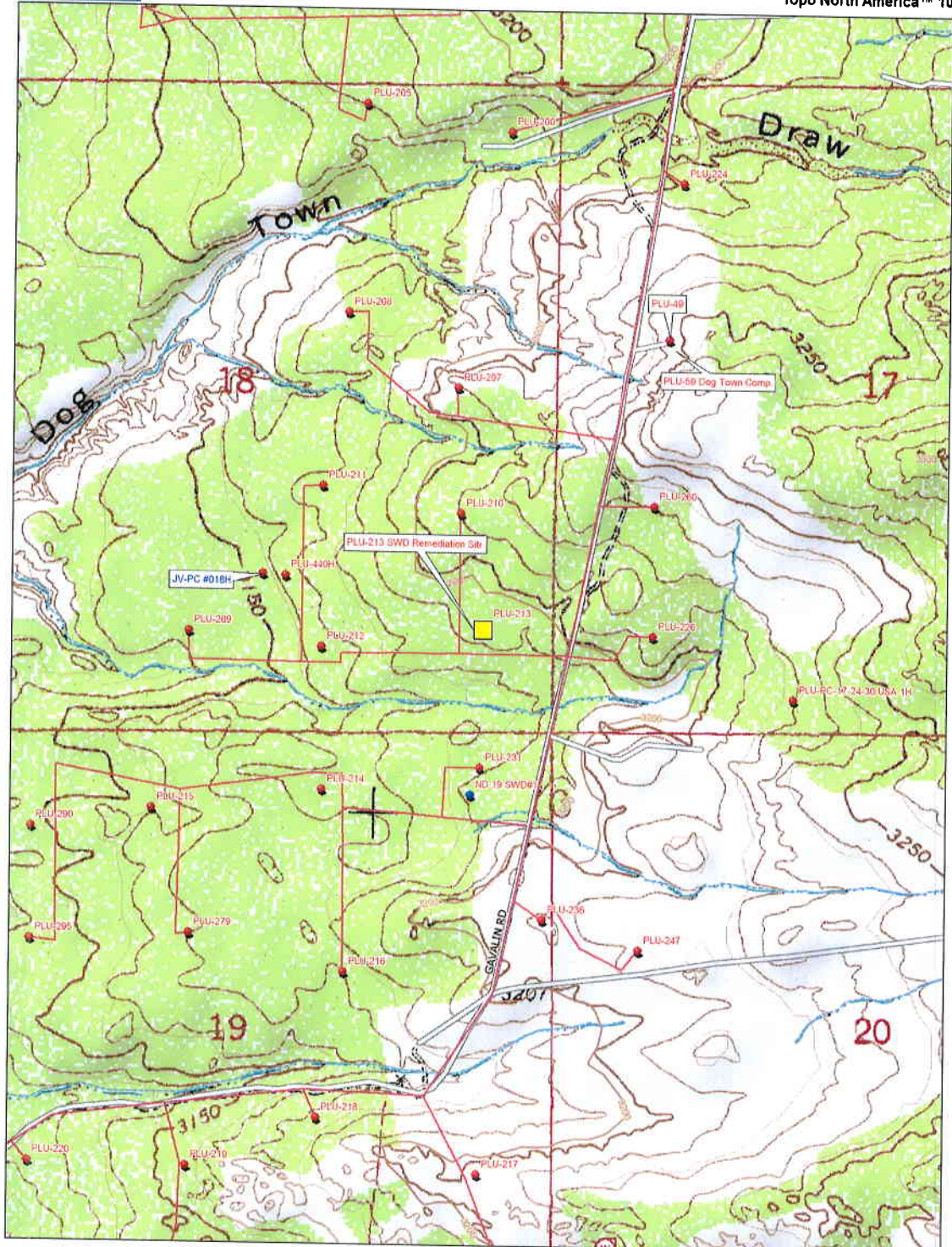
Remediation per OCD Rules &  
Guidelines. SUBMIT REMEDIATION  
PROPOSAL NOT LATER THAN:

8/13/12

2RP-1221

\* Attach Additional Sheets If Necessary

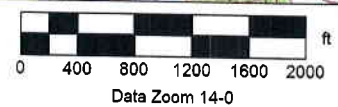




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DATE

DEPARTMENT

PREPARED BY

6/25/12  
13:10

PLU-213 SWD

Damaged By Truck

11:00  
6/24/12 - 8:00 pm

Reported to me Sun 6/24/12

@ 11:05 am By Jace

Text MSG

Contact Pomper SVI Pump &amp; Line

40 BLS Ran Down Road

S  
W  
D  
BtryRelease  
Point32.22384  
103.914812

4050 PAD

4500

2400

Avg 6' wide

Called J. Amos 13:40

32.211362  
103.915408OLD SAIL STOPS  
32.211163  
103.915641P- ~~30~~ 249 30 E  
18

Reviewed w/ Blum Jim Amos 6/27/12

ON TOP OF  
OLDER OIL/WATER  
SPILL136  
3  
406

**Initial Photo 6/25/12**





**Initial Photos 6/25/12**





Initial Photos 6/25/12





2/13/2014

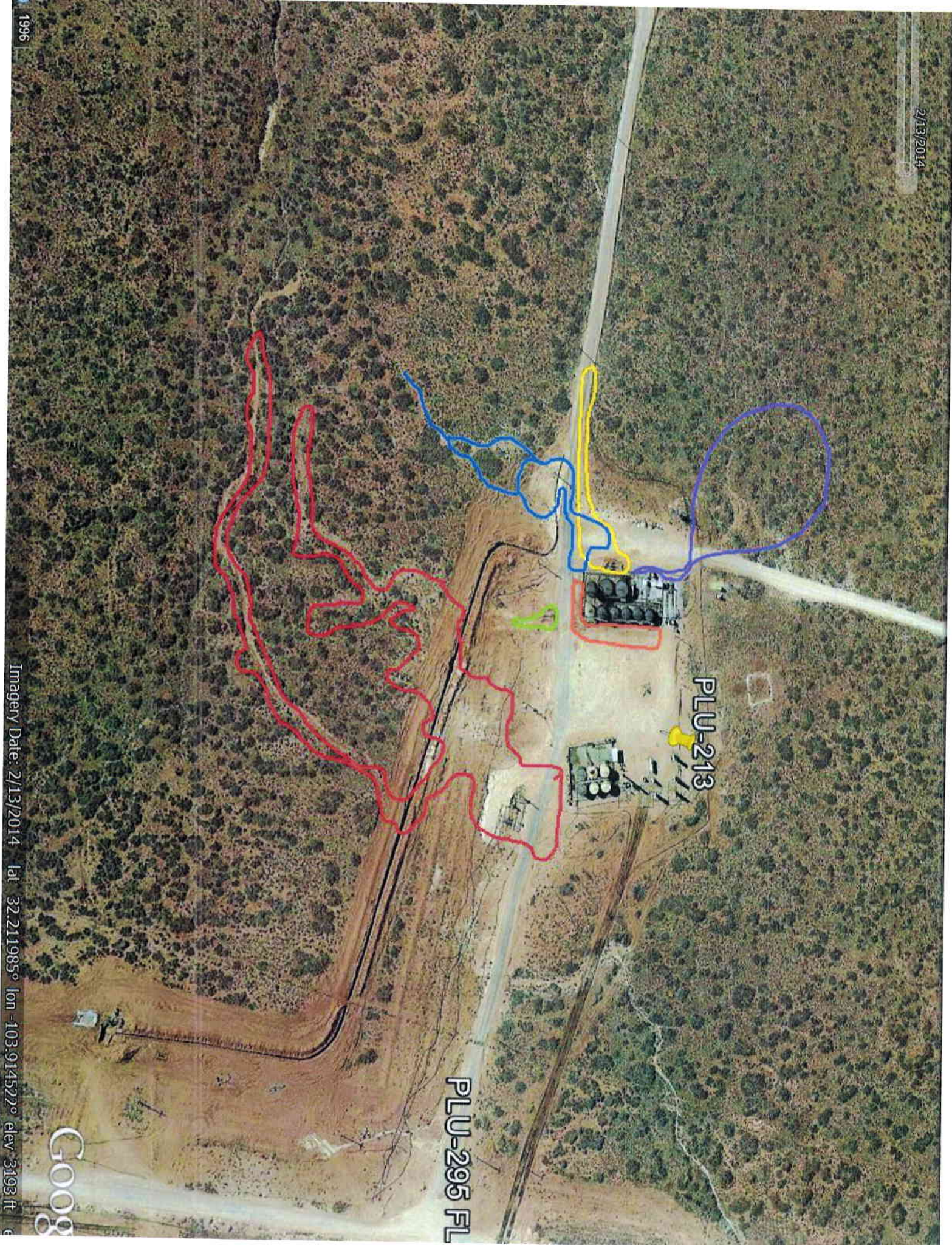
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PLU-213

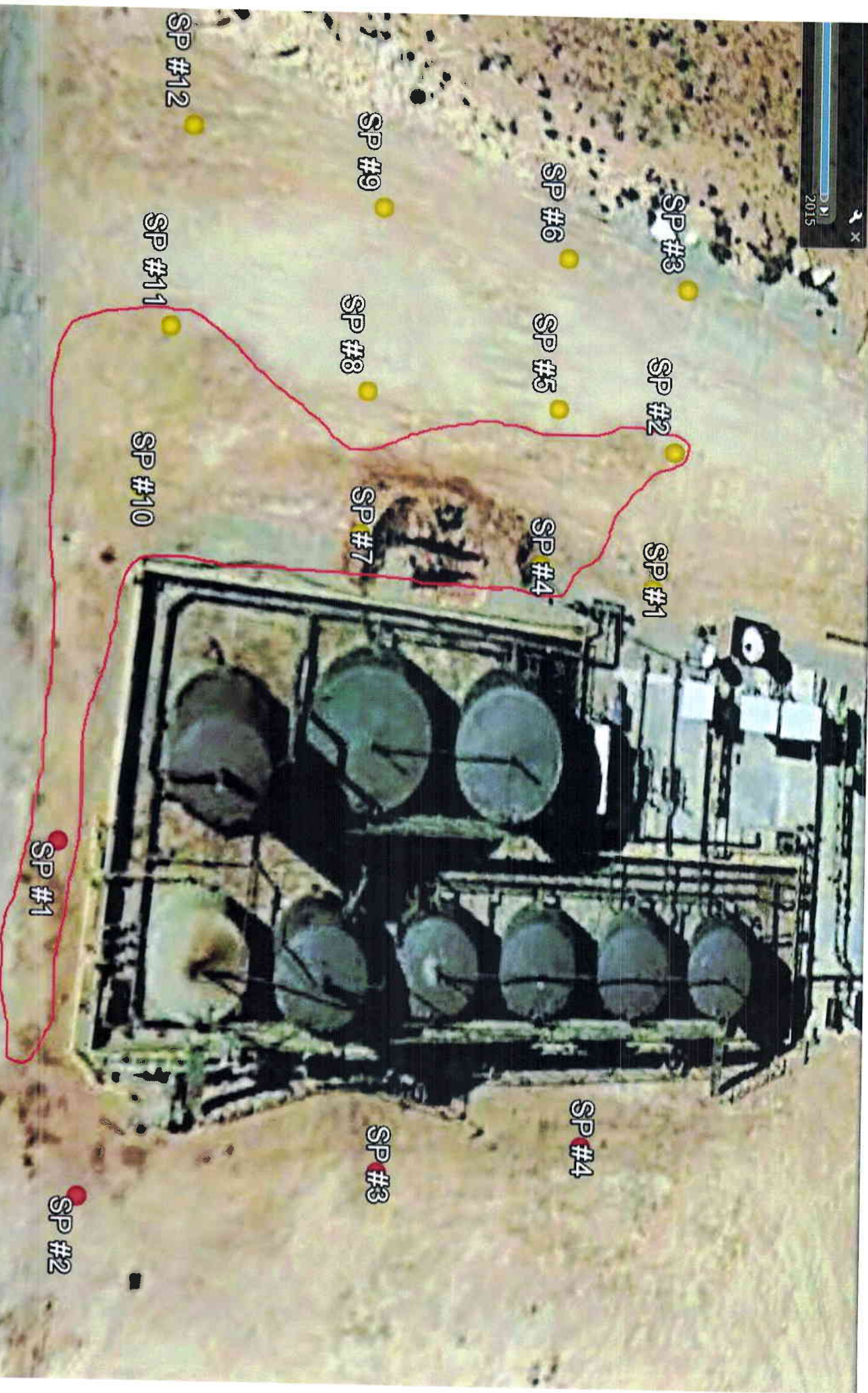
PLU-295 FL

Google

Imagery Date: 2/13/2014 lat 32.211985° lon -103.914522° elev 3193 ft

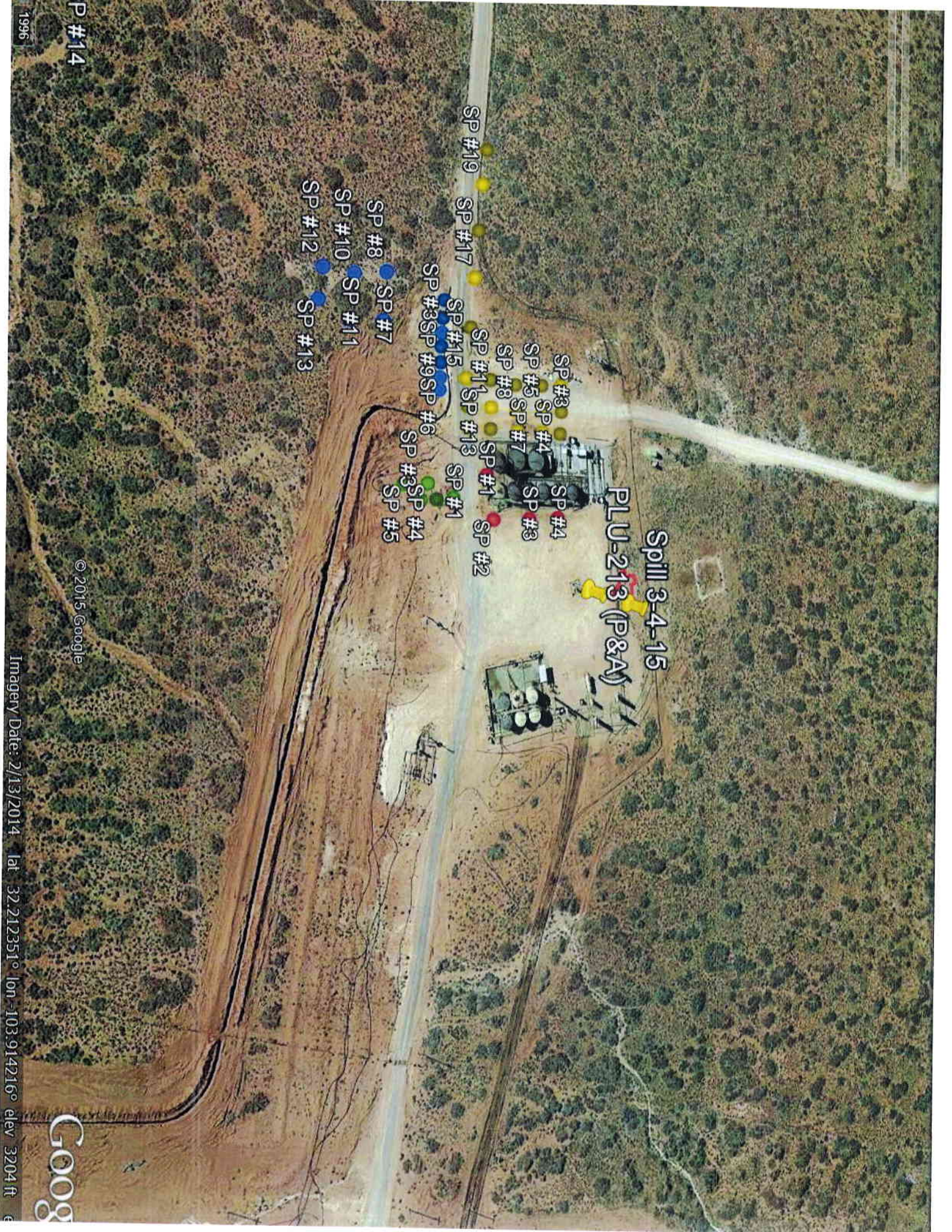






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Spill 3-4-15

PLU-213 (P&A)

SP #19

SP #17

SP #15

SP #13

SP #11

SP #9

SP #7

SP #10

SP #12

SP #13

SP #14

SP #15

SP #16

SP #17

SP #18

SP #19

SP #1

SP #2

SP #3

SP #4

SP #5

SP #6

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SP #12

SP #13

SP #14

SP #15

SP #16

SP #17

SP #18

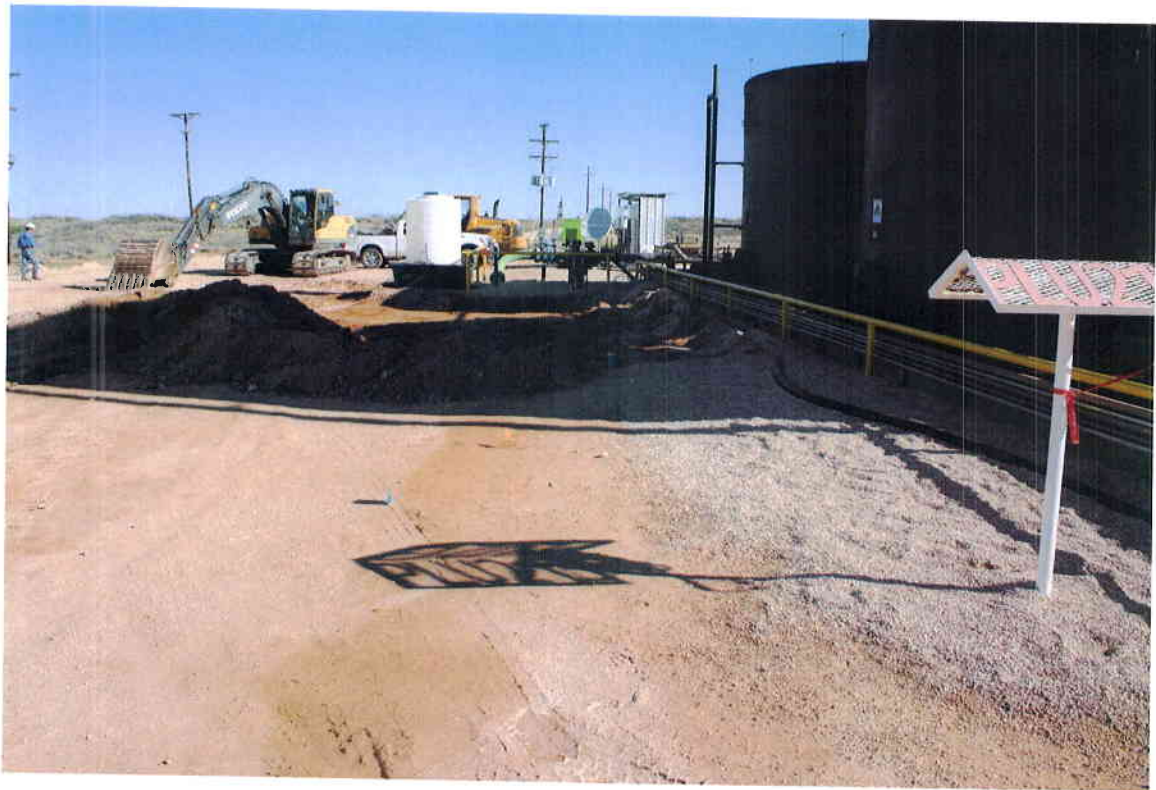
SP #19

© 2015 Google

Imagery Date: 2/13/2014 lat 32.212351° lon -103.914216° elev 3204 ft



Excavation Photos 3/24/15

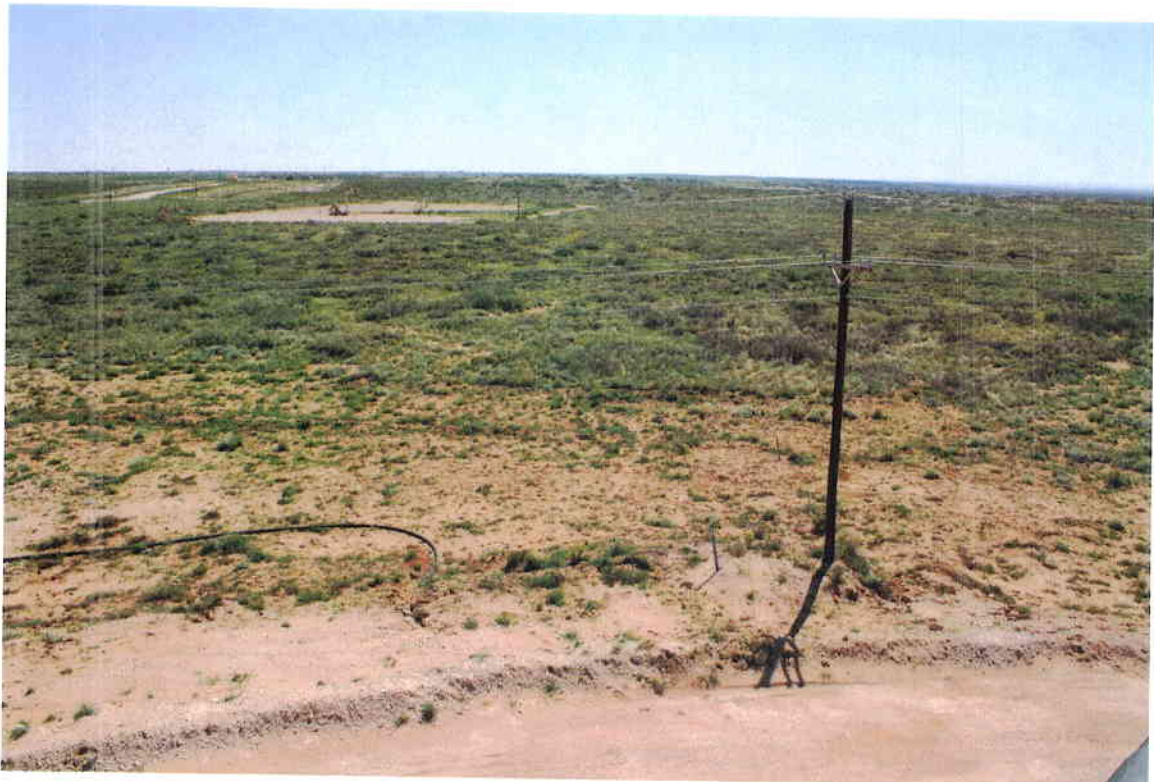
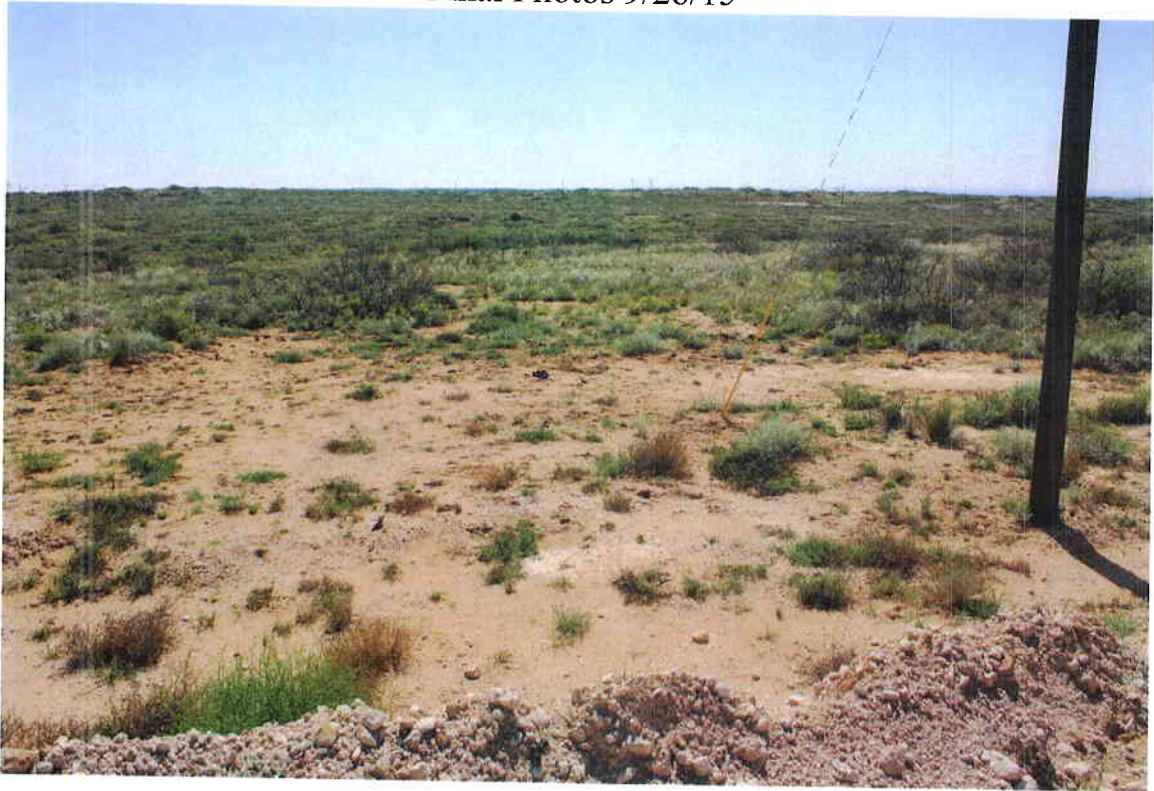


Final Photos 9/28/15





Final Photos 9/28/15



**PLU-213 SWD Spill 6-23-12 2RP-1221**

Date	Lab ID	Sample ID	Sample Location	Status	TPH GRO C6-C10	TPH DRO C10-C28	TPH EXT DRO C28-C35	TPH TOTAL C6-C-35	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX TOTAL	Chloride
Collected					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1/26/2015	H500365-01	Y-SP #1 at SURFACE	Yellow pad area	In-situ	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	48
1/26/2015	H500365-02	Y-SP #1 at 3'	Yellow pad area	In-situ	N/T	N/T	N/T	N/T						272
1/26/2015	H500365-03	Y-SP #2 at SURFACE	Yellow pad area	Excavated 2 ft.	N/T	N/T	N/T	N/T						1960
1/26/2015	H500365-04	Y-SP #2 at 3'	Yellow pad area	In-situ	N/T			N/T						180
1/26/2015	H500365-05	Y-SP #3 at SURFACE	Yellow pad area	In-situ										720
1/26/2015	H500365-06	Y-SP #3 at 3'	Yellow pad area	In-situ										144
1/26/2015	H500365-07	Y-SP #4 at SURFACE	Yellow pad area	Excavated 2 ft.										3080
1/26/2015	H500365-08	Y-SP #4 at 5'	Yellow pad area	Excavated 2 ft.										5840
1/26/2015	H500365-09	Y-SP #5 at SURFACE	Yellow pad area	In-situ	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	1200
1/26/2015	H500365-10	Y-SP #5 at 3'	Yellow pad area	In-situ										80
1/26/2015	H500365-11	Y-SP #6 at SURFACE	Yellow pad area	In-situ										320
1/26/2015	H500365-12	Y-SP #6 at 5'	Yellow pad area	In-situ										<16
1/26/2015	H500365-13	Y-SP #7 at SURFACE	Yellow pad area	Excavated 2 ft.										2640
1/26/2015	H500365-14	Y-SP #7 at 5'	Yellow pad area	In-situ										160
1/26/2015	H500365-15	Y-SP #8 at SURFACE	Yellow pad area	In-situ										352
1/26/2015	H500365-16	Y-SP #9 at 3'	Yellow pad area	In-situ										288
1/26/2015	H500365-17	Y-SP #9 at SURFACE	Yellow pad area	In-situ										80
1/26/2015	H500365-18	Y-SP #9 at 5'	Yellow pad area	In-situ										32
1/26/2015	H500365-19	Y-SP #10 at SURFACE	Blue Area Release point	Excavated 2 ft.	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	14400
1/26/2015	H500365-20	Y-SP #10 at 1'	Blue/Y Area Pad	Excavated 2 ft.	N/T	N/T	N/T	N/T						4080
1/26/2015	H500365-21	Y-SP #11 at SURFACE	Blue/Y Area Pad	Excavated 2 ft.	N/T	N/T	N/T	N/T						1760
1/26/2015	H500365-22	Y-SP #11 at 5'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						1310
1/26/2015	H500365-23	Y-SP #12 at SURFACE	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						256
1/26/2015	H500365-24	Y-SP #12 at 1'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						160
1/26/2015	H500365-25	Y-SP #13 at SURFACE	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						112
1/26/2015	H500365-26	Y-SP #13 at 1'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						1220
1/26/2015	H500365-27	Y-SP #14 at SURFACE	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						128
1/26/2015	H500365-28	Y-SP #14 at 7'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						160
1/26/2015	H500365-29	Y-SP #15 at SURFACE	Blue/Y Area Pad	In-situ	<10	<10	<10	<10	<0.050	<0.050	<0.050	<0.150	<0.300	80
1/26/2015	H500365-30	Y-SP #15 at 1'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						256
1/26/2015	H500365-31	Y-SP #16 at SURFACE	Blue/Y Area Pad	In-situ	N/T			N/T						<16
1/26/2015	H500365-32	Y-SP #16 at SURFACE	Yellow Lease Road	In-situ										<16
1/26/2015	H500365-33	Y-SP #16 at 1'	Blue/Y Area Pad	In-situ	N/T	N/T	N/T	N/T						<16
1/26/2015	H500365-34	Y-SP #17 at SURFACE	Yellow Lease Road	In-situ										<16
1/26/2015	H500365-35	Y-SP #17 at 1'	Yellow Lease Road	In-situ										80
1/26/2015	H500365-36	Y-SP #17 at 1'	Yellow Lease Road	In-situ										80
1/26/2015	H500365-37	Y-SP #17 at 1'	Yellow Lease Road	In-situ										32



**PLU-213 SWD Spill 6-23-12 2RP-1221**

[illegible]