

**REMEDATION 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 damaged 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. <i>260737</i>		OPERATOR	<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220		Contact: Tony Savoie	Telephone No. 432-556-8730	
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

**LOCATION OF RELEASE**

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

Latitude: N 32.212384

Longitude: W 103.914812

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 60 bbls	Volume Recovered 10 bbls
Source of Release 3" Poly Line	Date and Hour of Occurrence: 6/23/12 Approximately 11:00 p.m.	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.*		

**RECEIVED**  
JUL 09 2012  
NMOCD ARTESIA

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.f.t. 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.

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.

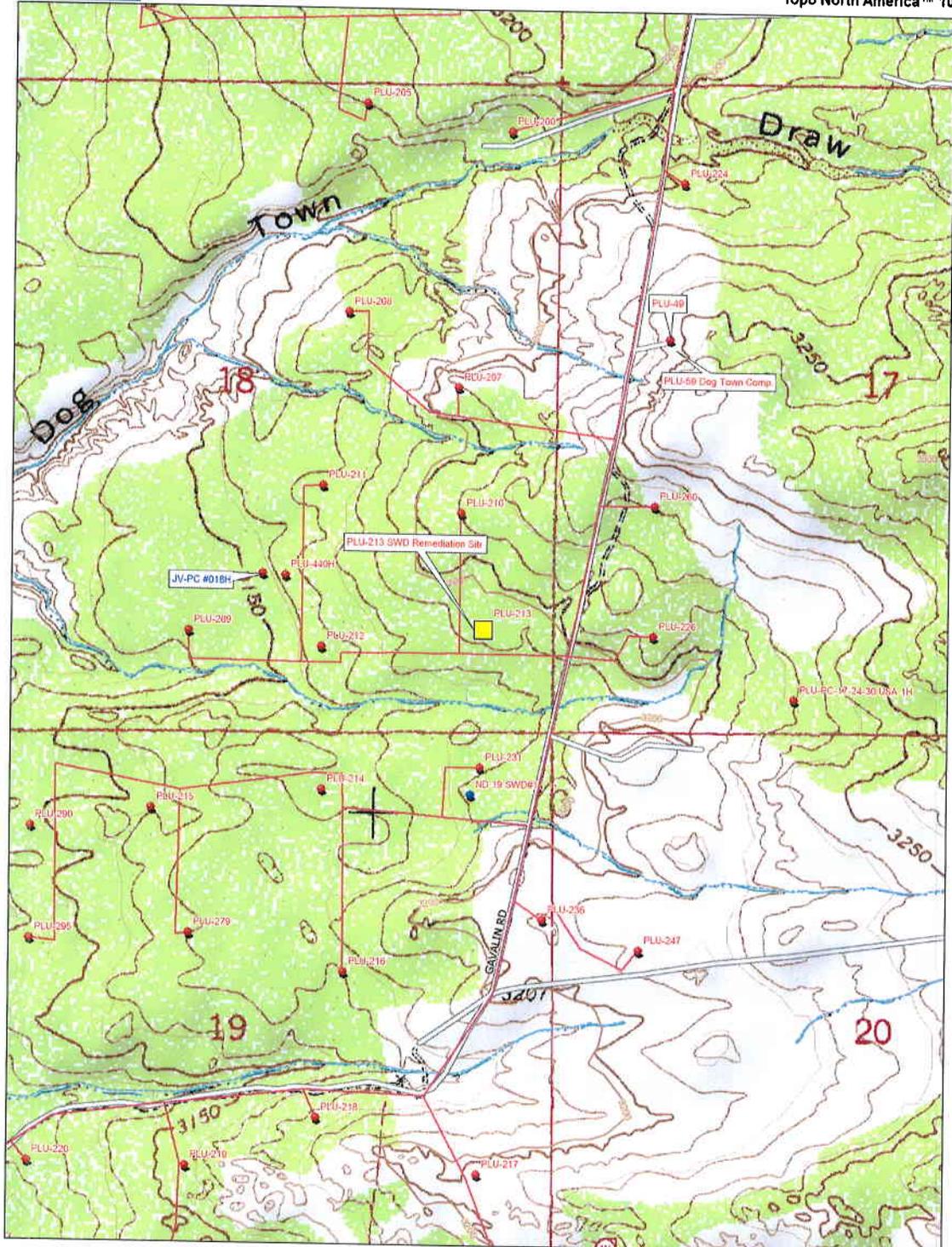
Signature: <i>Tony Savoie</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Tony Savoie	Approved by Environmental Specialist:	Signed By: <i>M. L. B...</i>
Title: Waste Mgmt. and Remediation Specialist	Approval Date: JUL 13 2012	Expiration Date:
E-mail Address: tasavoie@basspet.com	Conditions of Approval:	
Date: 7/9/12	Phone: 432-556-8730	Attached <input type="checkbox"/>

\* Attach Additional Sheets If Necessary

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

8/13/12

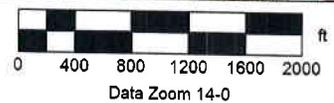
2RP-1221



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www.delorme.com



DATE

6/25/12  
13:10

DEPARTMENT

PREPARED BY

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 Pumper SVI Pump & Line

40 BLS Ran Down Road



32.22384  
103.914812

4050 PAD

4500

2400

400' Avg 6' wide

ON TOP OF  
OLDER OIL/WATER  
SPILL

Called J. Amos 13:40

32.211362  
103.915408

136  
3  
406

OLDER SPILL STOPS  
32.211163  
103.915641

P- ~~30~~ 249 30 E  
18

Reviewed w/ Blum Jim Amos 6/27/12

**Initial Photo 6/25/12**



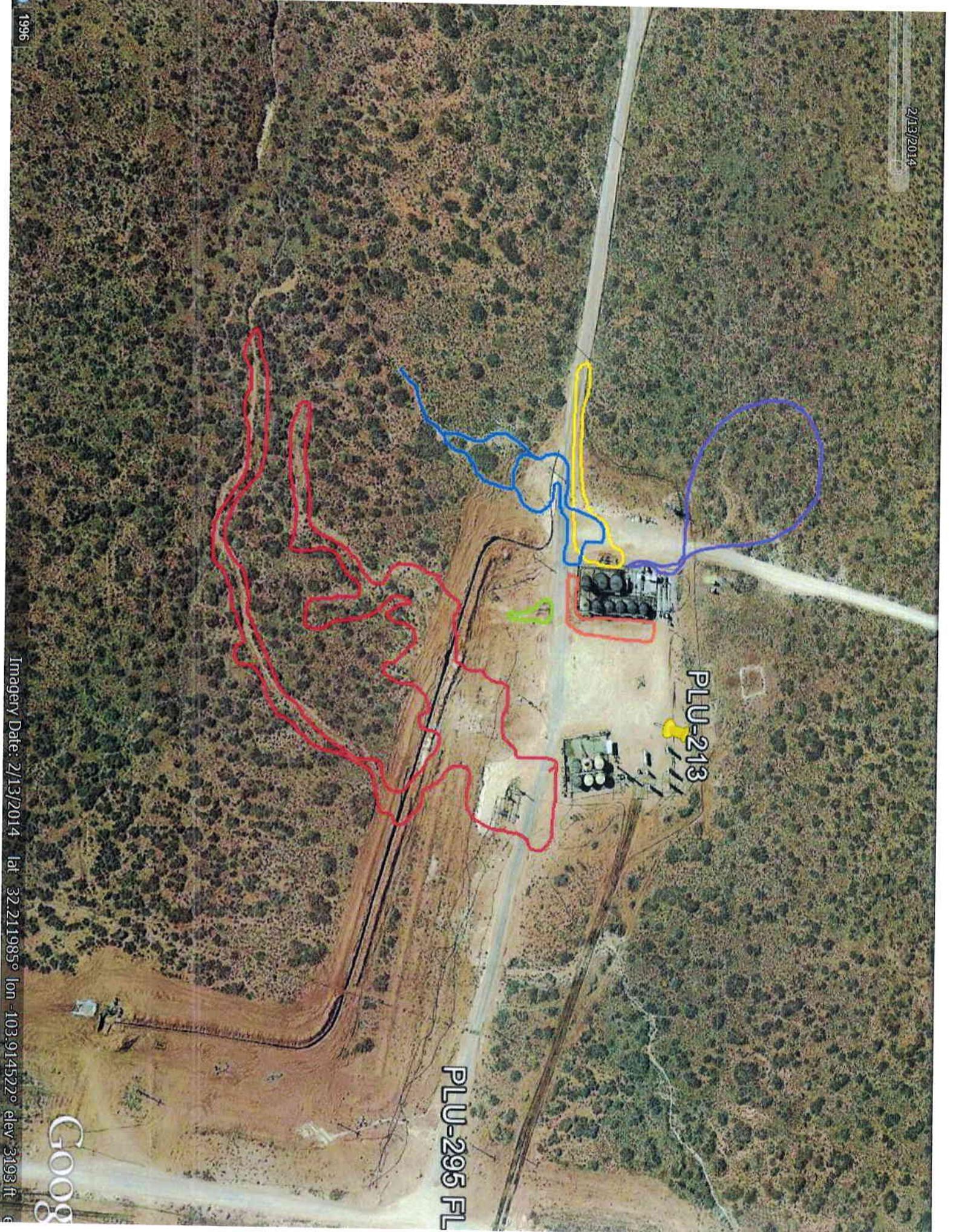
**Initial Photos 6/25/12**



Initial Photos 6/25/12



2/13/2014



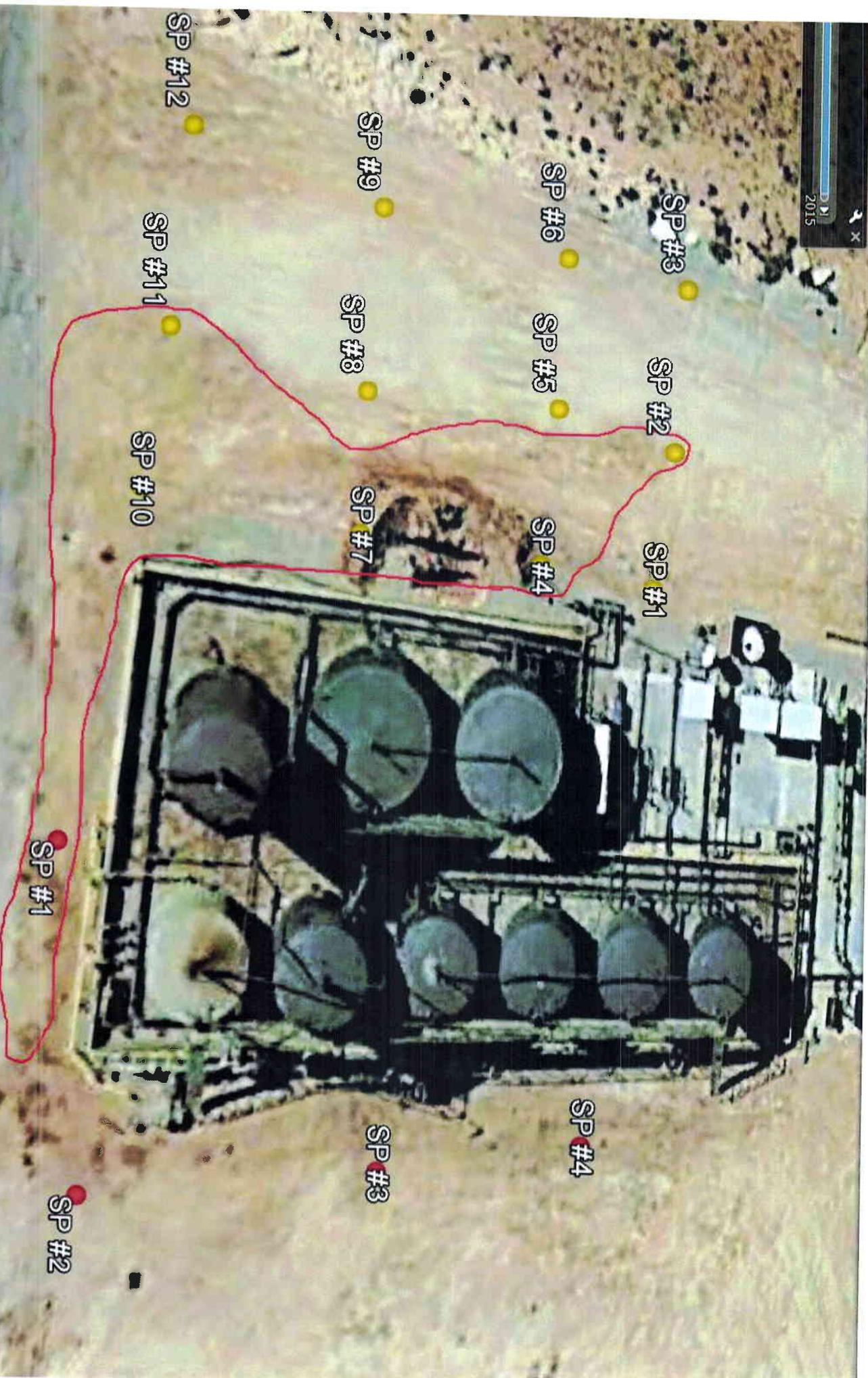
PLU-213

PLU-295 FL

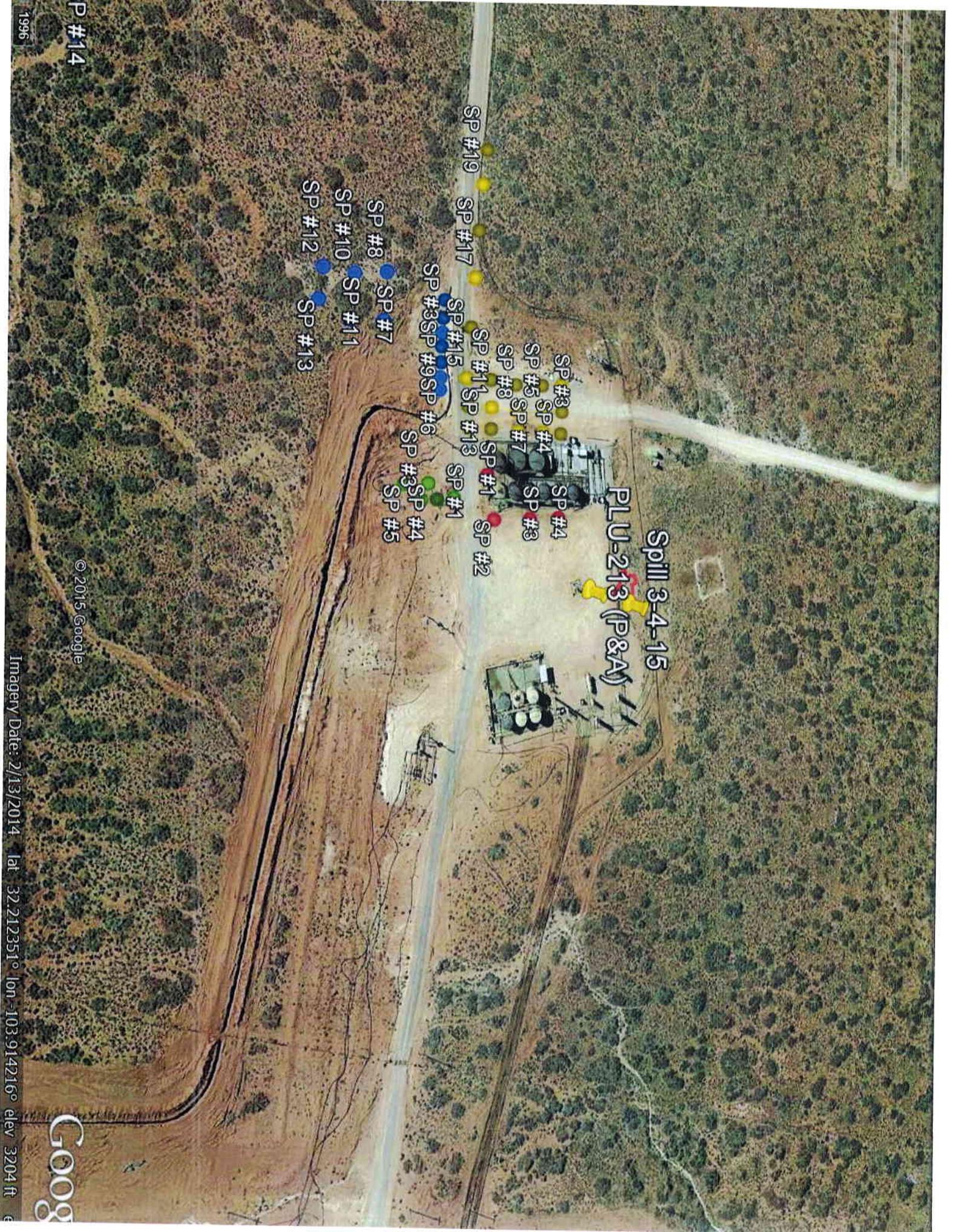
1996

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

Google



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Spill 3-4-15

PLU-213 (P&A)

- SP #19
- SP #17
- SP #15
- SP #11
- SP #8
- SP #5
- SP #4
- SP #3
- SP #2
- SP #1
- SP #13
- SP #11
- SP #7
- SP #6
- SP #3
- SP #4
- SP #5
- SP #8
- SP #7
- SP #4
- SP #3
- SP #1
- SP #2
- SP #13
- SP #11
- SP #7
- SP #6
- SP #3
- SP #4
- SP #5
- SP #8
- SP #10
- SP #11
- SP #12
- SP #13

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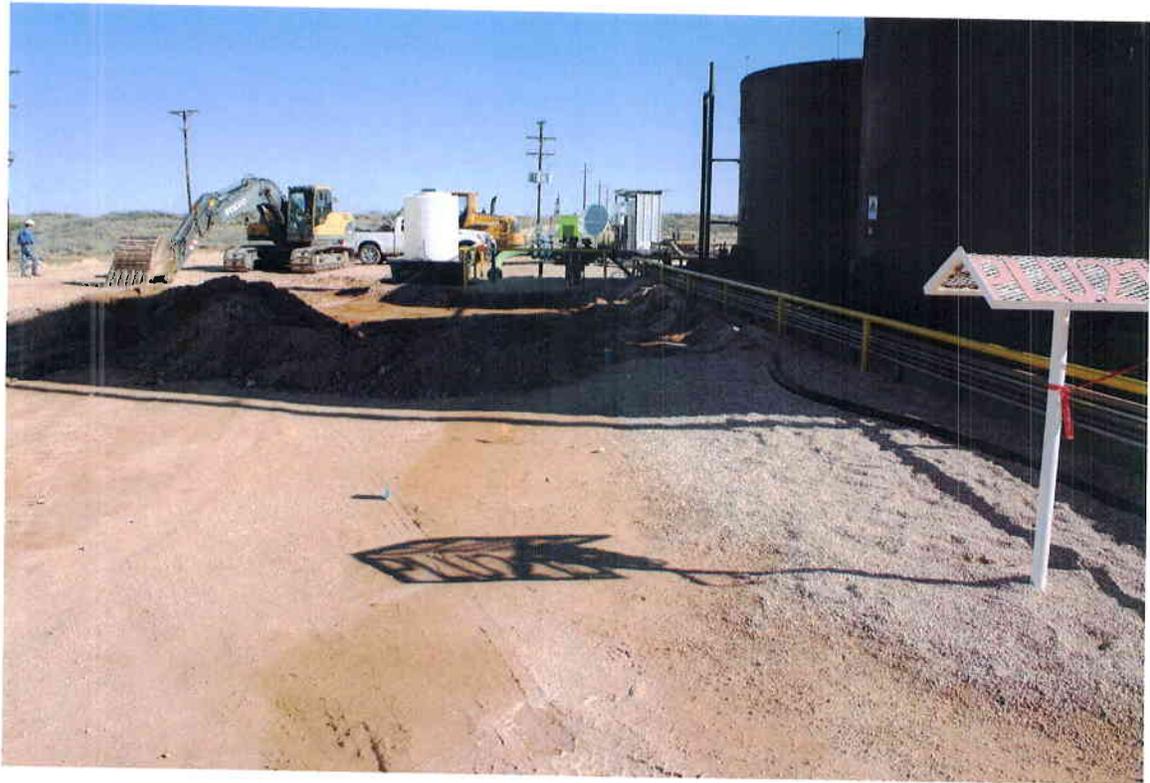
Imagery Date: 2/13/2014 lat 32.212351° lon -103.914216° elev 3204 ft

Google

1996

SP #14

Excavation Photos 3/24/15



Final Photos 9/28/15



Final Photos 9/28/15

