

1R - 102

# REPORTS

DATE:

7-20-12

## Hansen, Edward J., EMNRD

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**From:** Jason Henry <JHenry@paalp.com>  
**Sent:** Friday, July 20, 2012 1:16 PM  
**To:** Hansen, Edward J., EMNRD  
**Cc:** Jeffrey P Dann  
**Subject:** RE: Remediation Plan (1R-102) Termination - Plains LF-37 Release Site  
**Attachments:** LF37 MW-9 Plugging Report.pdf; LF37 MW-2 Plugging Report.pdf; LF37 MW-3 Plugging Report.pdf; LF37 MW-4 Plugging Report.pdf; LF37 MW-5 Plugging Report.pdf; LF37 MW-6 Plugging Report.pdf; LF37 MW-8 Plugging Report.pdf

Ed,

Attached are copies of the plugging reports for the LF-37 monitor wells listed in the email below.

Please let me know if you have any questions or need more information.

Thank you,  
Jason Henry  
575-441-1099

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**From:** Hansen, Edward J., EMNRD [<mailto:edwardj.hansen@state.nm.us>]  
**Sent:** Tuesday, April 17, 2012 6:59 PM  
**To:** Jason Henry  
**Cc:** Leking, Geoffrey R, EMNRD; Jeffrey P Dann; Cliff P. Brunson  
**Subject:** Remediation Plan (1R-102) Termination - Plains LF-37 Release Site

**RE: Annual Monitoring Report (2011) for the Plains Marketing's  
LF-37 Release Site  
Unit I, Section 19, T19S, R37E, NMPM, Lea County, New Mexico  
Remediation Plan (1R-102) Termination**

Dear Mr. Henry:

The New Mexico Oil Conservation Division (OCD) has received Plains' report (including a request for site closure) regarding the above-referenced site (dated April 2012). The report is acceptable to the OCD. Please submit to the OCD a final plugging report for groundwater monitoring wells (MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, and MW-9) at the site within 90 days of receipt of this notice.

The above-referenced report, submitted in accordance with 19.15.29 NMAC (Rule 29; formally, Rule 116), indicates that Plains has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the report and hereby notifies you that the remediation plan (1R-102) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have any questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-2 (NMOCD 1R-0102)  
Well owner: PLAINS ALL AMERICAN PIPELINE L.P. Phone No.: 713-646-4657  
Mailing address: 333 CLAY STREET, SUITE 1600  
City: HOUSTON State: TEXAS Zip code: 77002

### II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 28 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	3 FT OF 2" CASING REMOVED FROM WELL
28	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

  

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Monte Stal  
Signature of Well Driller

7-11-12  
Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-3 (NMOCD 1R-0102)  
 Well owner: PLAINS ALL AMERICAN PIPELINE L.P. \Phone No.: 713-646-4657  
 Mailing address: 333 CLAY STREET, SUITE 1600  
 City: HOUSTON State: TEXAS Zip code: 77002

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 36 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	4 FT OF 2" CASING REMOVED FROM WELL
36	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

  

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

*Marti Stroh*

Signature of Well Driller

7-11-12

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-4 (NMOCD 1R-0102)  
 Well owner: PLAINS ALL AMERICAN PIPELINE L.P. \Phone No.: 713-646-4657  
 Mailing address: 333 CLAY STREET, SUITE 1600  
 City: HOUSTON State: TEXAS Zip code: 77002

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 24 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	4 FT OF 2" CASING REMOVED FROM WELL
24	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

  

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

*Marti Strahl*

Signature of Well Driller

7-11-12

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-5 (NMOCD 1R-0102)

Well owner: PLAINS ALL AMERICAN PIPELINE L.P. Phone No.: \_\_\_\_\_

Mailing address: 333 CLAY STREET, SUITE 1600

City: HOUSTON State: TEXAS Zip code: 77002

## II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: STRAUB CORPORATION

2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB

4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12

5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83

6) Depth of well confirmed at initiation of plugging as: 33.2 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012

9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	2 FT OF 2" CASING REMOVED FROM WELL
33.2	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

*Mark Stahl*

Signature of Well Driller

7-11-12

Date



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-6 (NMOCD 1R-0102)  
 Well owner: PLAINS ALL AMERICAN PIPELINE L.P. Phone No.: 713-646-4657  
 Mailing address: 333 CLAY STREET, SUITE 1600  
 City: HOUSTON State: TEXAS Zip code: 77002

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 29 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLoad	3 FT OF 2" CASING REMOVED FROM WELL
29	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Marti Staal  
Signature of Well Driller

7-11-12  
Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

### I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-8 (NMOCD 1R-0102)  
 Well owner: PLAINS ALL AMERICAN PIPELINE L.P. \Phone No.: 713-646-4657  
 Mailing address: 333 CLAY STREET, SUITE 1600  
 City: HOUSTON State: TEXAS Zip code: 77002

### II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 33 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	3 FT OF 2" CASING REMOVED FROM WELL
33	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

  

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

*Matt Stead*

Signature of Well Driller

7-11-12

Date



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: LF-37 MW-9 (NMOCD 1R-0102)  
 Well owner: PLAINS ALL AMERICAN PIPELINE L.P. Phone No.: 713-646-4657  
 Mailing address: 333 CLAY STREET, SUITE 1600  
 City: HOUSTON State: TEXAS Zip code: 77002

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: STRAUB CORPORATION
- 2) New Mexico Well Driller License No.: WD1478 Expiration Date: JUNE 2013
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s) MARTIN STRAUB
- 4) Date well plugging began: 6-13-12 Date well plugging concluded: 6-13-12
- 5) GPS Well Location: Latitude: 32 deg, 38 min, 41 sec  
Longitude: 103 deg, 16 min, 57 sec, NAD 83
- 6) Depth of well confirmed at initiation of plugging as: 29 ft below ground level (bgl),  
by the following manner: \_\_\_\_\_
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: JUNE 11, 2012
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5	CONCRETE	40lbs CONCRETE		TOPLOAD	4 FT OF 2" CASING REMOVED FROM WELL
29	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	

  

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

**III. SIGNATURE:**

I, \_\_\_\_\_, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

*Martin Stahl*

Signature of Well Driller

7-11-12

Date