# 1R - 1000

# REPORTS

DATE: 7-20-12

### Hansen, Edward J., EMNRD

From:

Jason Henry < JHenry@paalp.com>

Sent:

Friday, July 20, 2012 1:16 PM Hansen, Edward J., EMNRD

To: 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

**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





I. GEN	ERAL / WELL OWNE	RSHIP:			
		LF-37 MW-2 (NMO)	CD 1R-0102)		
		AMERICAN PIPLINE L.J			46-4657
		REET, SUITE 1600			
<u>II. WE</u>	LL PLUGGING INFOR	RMATION:			
1)	Name of well drilling co	ompany that plugged well:	STRAUB CORI	PORATION	
2)	New Mexico Well Drille	er License No.: WD1478	· · · · · · · · · · · · · · · · · · ·	Expiration Date:	JUNE 2013
3)	Well plugging activities	were supervised by the fo	llowing well driller	(s)/rig supervisor(s_!	MARTIN STRAUB
4)	Date well plugging bega	an: <u>6-13-12</u> Da	ate well plugging co	oncluded: <u>6-13-12</u>	
5)	GPS Well Location:	Latitude: 32 Longitude: 103	deg, <u>38</u> deg, <u>16</u>	min, 41 min, 57_sec, N	sec AD 83
6)		l at initiation of plugging a			1),
7)	Static water level measu	red at initiation of pluggin	g: <u>N/A</u> ft bgl		
8)	Date well plugging plan	of operations was approve	ed by the State Engi	ineer: <u>JUNE 11</u> ,	2012
9)		ties consistent with an app approved plugging plan ar			

# For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (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.)
-	CONCRETE	401bs CONCRETE		TOPLOAD	3 FT OF 2" CASING REMOVED FROM WELL
5 <b>–</b>					
<b>-</b> -					
_					
- - -	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	
-					
_					
-					
-					
28		MULTIPLY cubic feet x 7.cubic yards x 201.3	BY AND OBTAIN 4805 = gallons 97 = gallons		

# III. SIGNATURE:

Ι,	, say that I am	familiar with	the rules of th	e Office of the State
Engineer pertaining to the plugging of wells and that	each and all of the	e statements in	this Plugging R	ecord and attachments
are true to the best of my knowledge and belief.	<b>a</b> .			
m	tist	. L.		7-11-12





I. GE	NERAL / WELL OWNE	RSHIP:							
State E	ngineer Well Number:	LF-37 MW-3	(NMOC	D 1R-010	2)				
Well or	wner: PLAINS ALL	AMERICAN PIP	LINE L.P.			_\Phone	No.: 713-64	4 <u>6-4657</u>	
Mailing	g address: 333 CLAY ST	REET, SUITE 16	00						
City:	HOUSTON			State:	TEXA	<u>s</u>		Zip code: <u>77002</u>	
11. WE 1)	ELL PLUGGING INFOI Name of well drilling co		ged well:	STRAL	Љ COR	PORATIO	ON		
2)	New Mexico Well Drille	er License No.: \)	WD1478			Expir	ation Date:	JUNE 2013	
3)	Well plugging activities	were supervised	by the foll	owing we	ll driller	(s)/rig sup	ervisor(s <u>N</u>	MARTIN STRAUB	
4)	Date well plugging bega	nn: <u>6-13</u> -	12 Dat	e well plu	 ngging co	oncluded:	6-13-12		
5)	GPS Well Location:	Latitude: Longitude:	32 103	deg, deg,	38 16	min, _ min, _	41 s 57 sec, N	sec AD 83	
6)	Depth of well confirmed by the following manner	l at initiation of p	lugging as	: 36	ft be	low grou	nd level (bgl	),	
7)	Static water level measu	red at initiation o	of plugging	: <u>N/A</u> f	t bgl				
8)	Date well plugging plan	of operations wa	s approved	d by the S	tate Engi	ineer:	JUNE 11,	2012	
9)	Were all plugging activi differences between the	approved pluggir	ng plan and	oved plug d the well	ging plan as it was	n? s plugged	yes (attach addi	If not, please descritional pages as needed	ribe  ):
			,						
<del></del>				····					

# For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	CONCRETE	40lbs CONCRETE		TOPLOAD	4 FT OF 2" CASING REMOVED FROM WELL
5 -					
- -					
_					
_	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	
-					
- - -					
-					
36 —		cubic faet x 7.	BY AND OBTAIN 4805 = gallons		
		cubic yards x 201.	97 = gallons		

### III. SIGNATURE:

[,	say	that I	am	familiar	with t	he ru	ales of	the	Office	of the	State
Engineer pertaining to the plugging of wells and that ea	ach a	nd all o	f the	stateme	nts in t	his P	lugging	Rec	ord and	l attach	ments
are true to the best of my knowledge and belief.		^									
Mo	ut	<u>ن</u> ک	ty	<u>, L</u>					2-	1)-1	<u> </u>

Signature of Well Driller





<u> I. GE</u>	NERAL / WELL OWNERSHIP:		
State I	Engineer Well Number: <u>LF-37 MW-4 (NMC</u>	OCD 1R-0102)	
Well c	owner: PLAINS ALL AMERICAN PIPLINE L	L.P. \Phone No.: 713-646-4657	
	ig address: 333 CLAY STREET, SUITE 1600		
City:	HOUSTON	State: <u>TEXAS</u> Zip code: <u>77002</u>	
<u>11. W</u>	<b>ELL PLUGGING INFORMATION:</b>		
1)	Name of well drilling company that plugged well	li: STRAUB CORPORATION	
2)	New Mexico Well Driller License No.: WD1478	8 Expiration Date: JUNE 2013	
3)		following well driller(s)/rig supervisor(s MARTIN STRAUB	
4)	Date well plugging began: 6-13-12		
5)	GPS Well Location: Latitude: 32 Longitude: 103	deg,       38       min,       41       sec         deg,       16       min,       57       sec,       NAD 83	
6)	Depth of well confirmed at initiation of plugging by the following manner:		
7)	Static water level measured at initiation of pluggi	ging: N/A ft bgl	
8)	Date well plugging plan of operations was approve	oved by the State Engineer:JUNE 11, 2012	
9)	Were all plugging activities consistent with an ap differences between the approved plugging plan a	pproved plugging plan? <u>yes</u> If not, please de and the well as it was plugged (attach additional pages as need	scribe ed):
		•	

# For each interval plugged, describe within the following columns:

Depth (ft bg1)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (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  MULTIPLY cubic feet x 7.4 cubic yards x 201.8	2.37 50# BAGS  BY AND OBTAIN BOS = gallons 97 = gallons	TREMIE	

### 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 e	ach ai	nd all	of the	stateme	nts in 1	this	Plugg	ing Re	cord and	i attach	ments
are true to the best of my knowledge and belief.		,									
Mo	ut	$\stackrel{\cdot}{\sim}$	the	ol _	·				7	-11-	12

Signature of Well Driller





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

I. GE	ENERAL / WELL OWNERSHIP:	
State E	Engineer Well Number: LF-37 MW-5 (NMOCD 1R-0102)	
	owner: PLAINS ALL AMERICAN PIPLINE L.P. \Phone No.:	
	ng address: 333 CLAY STREET, SUITE 1600	
City:	HOUSTON State: TEXAS Z	ip code: <u>77002</u>
(I. W	VELL PLUGGING INFORMATION:	
I)	Name of well drilling company that plugged well: STRAUB CORPORATION	
2)	New Mexico Well Driller License No.: WD1478 Expiration Date:	ЛUNE 2013
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s_MA	RTIN 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, 20	<u>12</u>
9)	Were all plugging activities consistent with an approved plugging plan? <a href="yes">yes</a> If differences between the approved plugging plan and the well as it was plugged (attach additional).	
<del></del> ,		
<del></del>		
	•	

Version: September 8,2009 Page 1 of 2

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	CONCRETE	401bs CONCRETE		TOPLOAD	2 FT OF 2" CASING REMOVED FROM WELL
5 -					·
1					
-	BENTONITE	2	2.37	TREMIE	
-	3/8 HOLEPLUG	50# BAGS	50# BAGS		
_					
1					
33.2					
,		MULTIPLY cubic feet x 7. cubic yards x 201.	BY         AND OBTAIN           4805         = gallons           97         = gallons	•	•

# III. SIGNATURE:

Ι,,	say	that :	Iam	familiar	with	the	rules o	of the	Office	of the	State
Engineer pertaining to the plugging of wells and that ea	ich an	nd all	of the	e stateme	nts in	this	Pluggi	ng Re	cord and	l attach	ments
are true to the best of my knowledge and belief.		n									
ma	ナ・	Δ	九	$\mathcal{L}$					7	-11-	12

Signature of Well Driller





I. GE	NERAL / WELL OWNE	RSHIP:			
State E	ingineer Well Number:	LF-37 MW-6 (N	MOCD 1R-0102)		
Well o	wner: PLAINS ALL	AMERICAN PIPLIN	E L.P.	\Phone No.: <u>713-64</u>	<u>46-4657</u>
	g address: 333 CLAY ST				
City:	HOUSTON		State: TE	(AS	Zip code: <u>77002</u>
II. W	ELL PLUGGING INFO	RMATION:			
1)	Name of well drilling co	ompany that plugged	well: <u>STRAUB CC</u>	DRPORATION	
2)	New Mexico Well Drill	er License No.: <u>WD1</u>	478	_ Expiration Date:	JUNE 2013
3)	Well plugging activities	were supervised by t	he following well dril	ler(s)/rig supervisor(s_N	IARTIN STRAUB
4)	Date well plugging bega	n: <u>6-13-12</u>	Date well plugging	concluded: <u>6-13-12</u>	
5)	GPS Well Location:	Latitude:	deg, 38 deg, 16	min, 41 s min, 57 sec, N	ec AD 83
6)	Depth of well confirmed by the following manner			below ground level (bgl	),
7)	Static water level measu	red at initiation of plu	ngging: <u>N/A</u> ft bgl		
8)	Date well plugging plan	of operations was ap	proved by the State En	ngineer: <u>JUNE 11.2</u>	2012
9)				olan? <u>yes</u> was plugged (attach addi	If not, please describe tional pages as needed):
<del></del>				No. of the second secon	

# For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	CONCRETE	40lbs CONCRETE		TOPLOAD	3 FT OF 2" CASING REMOVED FROM WELL
5 —					
				,	
-					
	BENTONITE	2	2.37	TREMIE	
<b>-</b>	3/8 HOLEPLUG	50# BAGS	50# BAGS	TREME	
-					
- -					
29 —		MULTIPLY cubic feet x 7 cubic yards x 201	BY         AND OBTAIN           4805         = gallons           97         = gallons		

# III. SIGNATURE:

I,, say that I am familiar with the rules of the	e Office of the State
Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Ro	ecord and attachments
are true to the best of my knowledge and belief.	
Moti Strat.	7-11-12
Signature of Well Driller	Date





I. GENERAL / WELL OWNERSHIP:
State Engineer Well Number: LF-37 MW-8 (NMOCD 1R-0102)
Well owner: PLAINS ALL AMERICAN PIPLINE 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:
Name of well drilling company that plugged well: <u>STRAUB CORPORATION</u>
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
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: <u>N/A</u> ft bgl
8) Date well plugging plan of operations was approved by the State Engineer:
Were all plugging activities consistent with an approved plugging plan? yes If not, please described differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

# For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
- - 5 -	CONCRETE	401bs CONCRETE		TOPLOAD	3 FT OF 2" CASING REMOVED FROM WELL
-					
- - -					
-	BENTONITE 3/8 HOLEPLUG	2 50# BAGS	2.37 50# BAGS	TREMIE	
- - -	·				
 - -	,				
33 —		MULTIPLY 5 cubic feet x 7.4 cubic yards x 201.5	3Y AND OBTAIN 1805 = gailons 97 = gallons		

### III. SIGNATURE:

I,,	say	that [	am	familiar	with	the r	ules o	f the	Office	of the State	
Engineer pertaining to the plugging of wells and that ea	ich ar	nd all c	of the	stateme	nts in	this F	Pluggir	ig Rec	cord and	attachments	
are true to the best of my knowledge and belief.		a									
ma	土		to	<u>,                                    </u>		_		_	7-	-11-12	

Signature of Well Driller





	NERAL / WELL OWNERSHIP:
	ngineer Well Number: LF-37 MW-9 (NMOCD 1R-0102)
	wner: PLAINS ALL AMERICAN PIPLINE L.P. \Phone No.: 713-646-4657
Mailing	g address: 333 CLAY STREET, SUITE 1600
City:	HOUSTON State: TEXAS Zip code: 77002
II. WI	ELL 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:
9)	Were all plugging activities consistent with an approved plugging plan? <u>yes</u> If not, please describ differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

# For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
5 -	CONCRETE	401bs CONCRETE		TOPLOAD	4 FT OF 2" CASING REMOVED FROM WELL
29	BENTONITE 3/8 HOLEPLUG		2.37 50# BAGS BY AND OBTAIN 4805 = gallons	TREMIE	
29 —		MULTIPLY cubic feet x 7 cubic yards x 201	.4805 = gallons		

# III. SIGNATURE:

ī,	, say that I am familiar with the rule	s of the Office of the State
Engineer pertaining to the plugging of wells and that	at each and all of the statements in this Plug	ging Record and attachments
are true to the best of my knowledge and belief.	6	
$\gamma$	lati Stal.	7-11-12
	Signature of Well Driller	Date