

3R - 368

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

2001

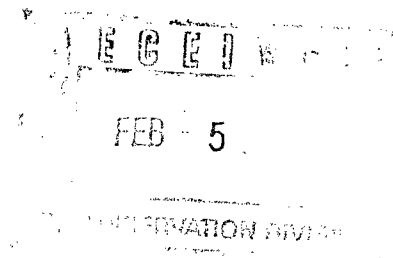
# **BLAGG ENGINEERING INC.**

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

February 2, 2001

Mr. William C. Olson, Hydrologist  
New Mexico Oil Conservation Division  
1220 St. Francis Drive  
Santa Fe, New Mexico 87504



Re: Notice of Groundwater Impact  
BP-Amoco: Lopez GC 1  
(D) Sec. 2 - T29N - R9W, San Juan County, NM

Dear Mr. Olson:

On behalf of BP-Amoco, Blagg Engineering, Inc. (BEI) has conducted environmental monitoring at the subject location. A potential release of hydrocarbons to the environment was discovered by a private landowner during installation of a gas tap. A preliminary site assessment indicates that limited groundwater impacts are present with a potential source area between the production tank and separator unit. During the assessment contaminated soils were excavated and groundwater was pumped from the excavation. Groundwater was found between 4' - 5' below ground surface.

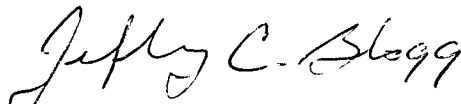
The original source of contamination is speculative. No known earthen pits or other releases have been identified in the areas that were remediated. However, contaminated soil has been removed from the site and transported to BP-Amoco's Crouch Mesa landfarm/compost facility. This site will be placed on BP-Amoco's scheduled groundwater monitoring program to quantify water quality.

Attached, please find site diagrams indicating the areas remediated and initial groundwater sample locations. Groundwater was sampled prior to any pumping of groundwater. Also attached are laboratory groundwater BTEX reports.

If you have questions or need additional information, please contact myself at (505)632-1199.

Respectfully:

**Blagg Engineering, Inc.**

  
Jeffrey C. Blagg, P.E.  
President

Attachments: Site Diagrams  
Lab Reports

cc: B.D.Shaw - BP San Juan Op Center  
Denny Foust - NMOCD Aztec

File: lopezgcl.wpd

CLIENT: AMOCOBLAGG ENGINEERING, INC.  
P.O. BOX 87, BLOOMFIELD, NM 87413  
(505) 632-1199DATE: 8-24-98

## FIELD REPORT: PIT INVENTORY &amp; SITE MAP

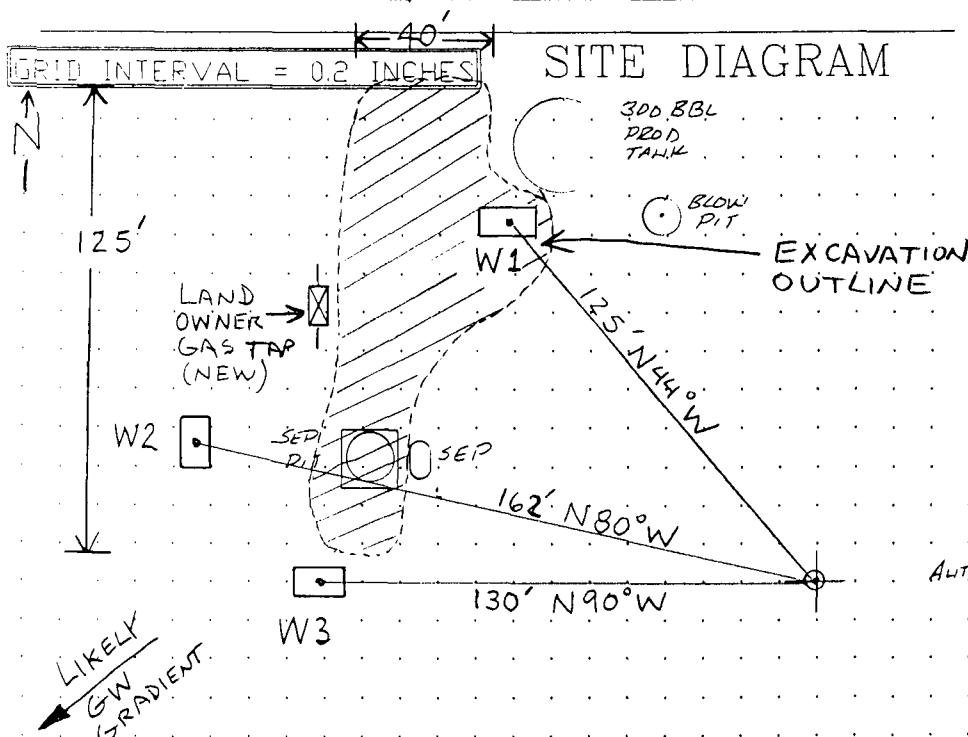
PAGE No: 1 of 1LOCATION NAME: LOPEZ GAS COM 1DATE  
DRILLED: 3-22-79UNIT: D SEC. 2 TWP. 29N RNG. 9W CTY. 55 P.M. NMENVIRONMENTAL  
SPECIALIST: EPPREVIOUS OPERATOR(S): NONE

	DEHYDRATOR	SEPARATOR	BLOW		
		PROD			
Type of containment	E / F / ST	E / F / ST	E / F / ST	E / F / ST	E / F / ST
Pit fenced	Y / N	Y / N	Y / N	Y / N	Y / N
Pit bermed	Y / N	Y / N	Y / N	Y / N	Y / N
Bermed adequately	Y / N	Y / N	Y / N	Y / N	Y / N
Weeds in pit area	Y / N	Y / N	Y / N	Y / N	Y / N
Leaked	Y / N	Y / N	Y / N	Y / N	Y / N
Type of liner					
Spills or leaks	Y / N	Y / N	Y / N	Y / N	Y / N
Piping leaks	Y / N	Y / N	Y / N	Y / N	Y / N
Fluid present in pit	Y / N	Y / N	Y / N	Y / N	Y / N
Daily volume (< 5 bbl/day)	Y / N	Y / N	Y / N	Y / N	Y / N
Leak detection present	Y / N	Y / N	Y / N	Y / N	Y / N
Waste Non-exempt	Y / N	Y / N	Y / N	Y / N	Y / N
Inspected by one operator	Y / N	Y / N	Y / N	Y / N	Y / N
Inspected operator(s) name					
Dimensions (L x W x D) ft.		12' x 5'	4' x 6'		
Distance (ft) - Bearing from well head		105' 282°	100' 336°		

## INSPECTION CHECKLIST

Storage tank(s) on-site	Y / N
1) # of tanks	1
2) bermed adequately	Y / N
3) tank overflow observed	Y / N
4) piping leaks observed	Y / N
Automation observed	Y / N
cathodic protection leaking	Y / N
Well head leaking	Y / N
Surface equipment leaking	Y / N
1) Unit type	
Well pad level	Y / N
Chemical drums	Y / N
1) labeled	Y / N
2) leaking	Y / N

NOTE: Type of containment symbols:

E = Earthen Pit  
F = Fiberglass tank Pit  
ST = Steel tank PitCOMMENTS: BLOW PIT NOT FENCED OR BERMED1 INCH = 50 FT.  
0 100 FT.  
SITE DIAGRAM 1/26/2001

## LAB RESULTS

W1	B = ND
	T = ND
	E = 29 ppb
	X = 974 ppb
W2	B = ND
	T = ND
	E = ND
	X = ND
W3	B = ND
	T = ND
	E = ND
	X = ND

WEATHER/SITE CONDITIONS: SUNNY / PARTLY SUNNY / CLOUDY / FOG / COLD / WARM / HOT /  
RAINING / SNOWING / DRY / WET / MUDDY / VERY MUDDY / SNOW PACKED / ROUGH / SMOOTH.

OFF: (505) 325-5667  
FAX: (505) 327-1496



LAB: (505) 325-1556  
FAX: (505) 327-1496

January 31, 2001

Jeff Blagg  
Blagg Engineering  
P.O. Box 87  
Bloomfield, NM 87413  
TEL: (505) 632-1199  
FAX (505) 632-3903

RE: Lopez GC #1

Order No.: 0101029

Dear Jeff Blagg,

On Site Technologies, LTD. received 1 sample on 1/23/2001 for the analyses presented in the following report.

The Samples were analyzed for the following tests:  
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Cox', with a stylized flourish at the end.

David Cox

OFF: (505) 325-5667  
FAX: (505) 327-1496



LAB: (505) 325-1556  
FAX: (505) 327-1496

**On Site Technologies, LTD.**

**Date:** 31-Jan-01

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**CLIENT:** Blagg Engineering  
**Project:** Lopez GC #1  
**Lab Order:** 0101029

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**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

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LAB: (505) 325-1556  
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## ANALYTICAL REPORT

Date: 31-Jan-01

Client:	Blagg Engineering	Client Sample Info:	Lopez GC #1
Work Order:	0101029	Client Sample ID:	W1 @ 4ft.
Lab ID:	0101029-01A	Matrix:	AQUEOUS
Project:	Lopez GC #1	Collection Date:	1/23/2001 10:15:00 AM
		COC Record:	11102

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	2.5		µg/L	5	1/29/2001
Toluene	ND	2.5		µg/L	5	1/29/2001
Ethylbenzene	29	2.5		µg/L	5	1/29/2001
m,p-Xylene	970	5		µg/L	5	1/29/2001
o-Xylene	3.8	2.5		µg/L	5	1/29/2001

### Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surrogate - Surrogate

1 of 1

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EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



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January 31, 2001

Jeff Blagg  
Blagg Engineering  
P.O. Box 87  
Bloomfield, NM 87413  
TEL: (505) 632-1199  
FAX (505) 632-3903

RE: Lopez GC #1

Order No.: 0101036

Dear Jeff Blagg,

On Site Technologies, LTD. received 2 samples on 1/26/2001 for the analyses presented in the following report.

The Samples were analyzed for the following tests:  
Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to be 'David Cox', written over a horizontal line.

David Cox



OFF: (505) 325-5667  
FAX: (505) 327-1496



LAB: (505) 325-1556  
FAX: (505) 327-1496

**On Site Technologies, LTD.**

**Date:** 31-Jan-01

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**CLIENT:** Blagg Engineering  
**Project:** Lopez GC #1  
**Lab Order:** 0101036

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**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

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LAB: (505) 325-1556  
FAX: (505) 327-1496

## ANALYTICAL REPORT

Date: 31-Jan-01

Client:	Blagg Engineering	Client Sample Info:	Lopez GC #1
Work Order:	0101036	Client Sample ID:	W2 @ 4ft.
Lab ID:	0101036-01A	Matrix:	AQUEOUS
Project:	Lopez GC #1	Collection Date:	1/26/2001 11:30:00 AM
		COC Record:	11104

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	0.5		µg/L	1	1/29/2001
Toluene	ND	0.5		µg/L	1	1/29/2001
Ethylbenzene	ND	0.5		µg/L	1	1/29/2001
m,p-Xylene	ND	1		µg/L	1	1/29/2001
o-Xylene	ND	0.5		µg/L	1	1/29/2001

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Sur: - Surrogate

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LAB: (505) 325-1556  
FAX: (505) 327-1496

## ANALYTICAL REPORT

Date: 31-Jan-01

<b>Client:</b>	Blagg Engineering	<b>Client Sample Info:</b>	Lopez GC #1
<b>Work Order:</b>	0101036	<b>Client Sample ID:</b>	W3 @ 6ft.
<b>Lab ID:</b>	0101036-02A	<b>Matrix:</b>	AQUEOUS
<b>Project:</b>	Lopez GC #1	<b>Collection Date:</b>	1/26/2001 11:45:00 AM
		<b>COC Record:</b>	11104

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: DM		
Benzene	ND	0.5		µg/L	1	1/29/2001
Toluene	ND	0.5		µg/L	1	1/29/2001
Ethylbenzene	ND	0.5		µg/L	1	1/29/2001
m,p-Xylene	ND	1		µg/L	1	1/29/2001
o-Xylene	ND	0.5		µg/L	1	1/29/2001

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Surr: - Surrogate

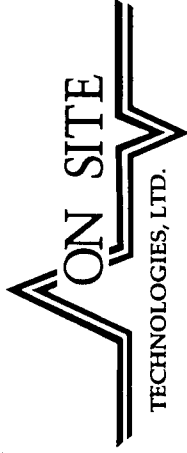
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

# CHAIN OF CUSTODY RECORD



612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499  
LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: \_\_\_\_\_

Page: \_\_\_\_\_ of \_\_\_\_\_

[illegible]



State of New Mexico  
ENERGY MINERALS and NATURAL RESOURCES DEPARTMENT  
Santa Fe, New Mexico 87505

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal Time 1050 hrs. Date 2/2/01

Originating Party

Other Parties

Jeff Bless - Bless Engineering

Bill Olson

Subject

BP Amoco - Lopez Gas Com #1

Discussion

Notification at discovery of ground water contamination  
Landowner found stained soils when digging gas line to house  
BP Amoco excavated contaminated soils, found ground water  
at 5 feet

Still digging out

Sampled ground water - Ethylbenzene = 29 ppb  
Xylenes = 974 ppb

Conclusions or Agreements

Will file written report

Distribution

Signed