

3R - 368

**GENERAL
CORRESPONDENCE**

YEAR(S):

2001

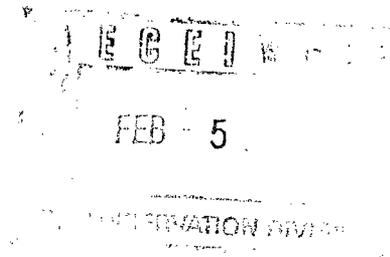
BLAGG ENGINEERING INC.

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: lopezgc1.wpd

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

DATE: 8-24-98

FIELD REPORT: PIT INVENTORY & SITE MAP

PAGE No: 1 of 1

LOCATION NAME: LOPEZ GAS COM 1

DATE DRILLED: 3-22-79

UNIT: D SEC. 2 TWP. 29N RNG. 4W CTY. 55 P.M. NM

ENVIRONMENTAL SPECIALIST: EP

PREVIOUS OPERATOR(S): NONE

	DEHYDRATOR	SEPARATOR	BLOW		
Type of containment	E / F / ST	PROD	E / F / ST	E / F / ST	E / F / ST
Pit fenced	Y / N	⊕ / N	Y / ⊕	Y / N	Y / N
Pit netted	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Bermed adequately	Y / N	⊕ / N	Y / ⊕	Y / N	Y / N
Weeds in pit area	Y / N	Y / ⊕	Y / ⊕	Y / N	Y / N
Leaked	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Type of liner					
Spills or leaks	Y / N	Y / ⊕	Y / ⊕	Y / N	Y / N
Piping leaks	Y / N	Y / ⊕	Y / ⊕	Y / N	Y / N
Fluid present in pit	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Daily volume (< 5 bbl/day)	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Leak detection present	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Waste Non-exempt	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Utilized by one operator	Y / N	⊕ / N	⊕ / N	Y / N	Y / N
Other 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°		

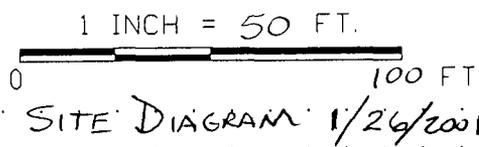
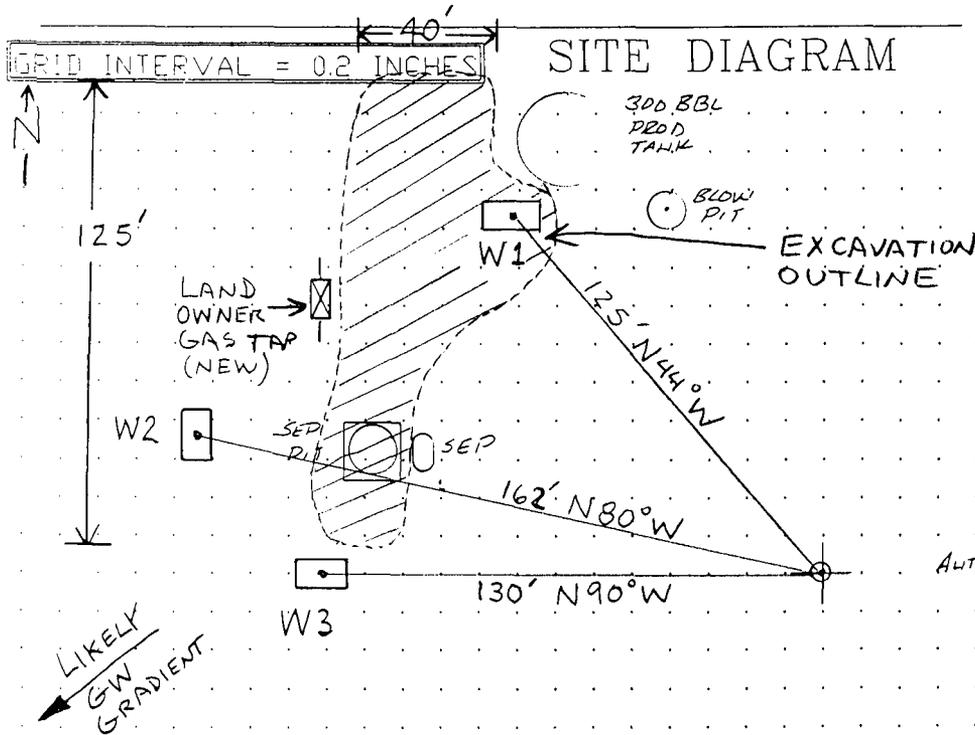
INSPECTION CHECKLIST

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

NOTE: Type of containment symbols :

E = Earthen Pit
F = Fiberglass tank Pit
ST = Steel tank Pit

COMMENTS: BLOW PIT NOT FENCED OR BERMED



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', is written over a horizontal line.

David Cox

P.O. BOX 2606 • FARMINGTON, NM 87499
EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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



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

On Site Technologies, LTD.

Date: 31-Jan-01

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

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).

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



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: 0101029	Client Sample ID: W1 @ 4ft.
Lab ID: 0101029-01A Matrix: AQUEOUS	Collection Date: 1/23/2001 10:15:00 AM
Project: Lopez GC #1	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	Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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.: 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 read "David Cox". The signature is stylized with a large initial "D" and a long horizontal stroke.

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

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

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).

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



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

1 of 2

P.O. BOX 2606 • FARMINGTON, NM 87499
EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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



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:	W3 @ 6ft.
Lab ID:	0101036-02A	Matrix:	AQUEOUS
Project:	Lopez GC #1	Collection Date:	1/26/2001 11:45:00 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	Surr: - Surrogate

2 of 2

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



STATE OF
 NEW MEXICO
 DEPARTMENT OF
 CONSERVATION
 DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

<input checked="" type="checkbox"/> Telephone	<input type="checkbox"/> Personal	Time 1050 hrs.	Date 2/2/01
---	-----------------------------------	----------------	-------------

<u>Originating Party</u>	<u>Other Parties</u>
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

<u>Distribution</u>	Signed
---------------------	--------