

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>87470</u> Location: <u>Henck Gas Com D-1</u></p> <p>Coordinates: Letter: <u>C</u> Section <u>6</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>5-2-94</u> Area: <u>10</u> Run: <u>83</u></p>
FIELD OBSERVATIONS	<p style="text-align: center;">945036</p> <p>Sample Number(s): <u>4P10</u></p> <p>Sample Depth: <u>12</u> Feet</p> <p>Final PID Reading <u>402 ppm</u> PID Reading Depth <u>12</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> (1) Approx. Cubic Yards <u>75</u></p> <p>Onsite Bioremediation <input type="checkbox"/> (2)</p> <p>Backfill Pit Without Excavation <input type="checkbox"/> (3)</p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (3) Tierra</p> <p>Other Facility <input type="checkbox"/> (2) Name: _____</p> <p>Pit Closure Date: <u>5-2-94</u> Pit Closed By: <u>BEI</u></p>
REMARKS	<p>Remarks : <u>Started Remediating pit to 12' took VC sample</u> <u>PID reading is 402 ppm at 85'. Floor + walls still black about</u> <u>6' down. closed pit</u></p>
SIGNATURE	<p>Signature of Specialist: <u>James F. Tenore</u></p>



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FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	TP10	945056
MTR CODE SITE NAME:	87470	N/A
SAMPLE DATE TIME (Hrs):	5/2/94	1140
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/5/94	5/5/94
DATE OF BTEX EXT. ANAL.:	5/9/94	5/13/94
TYPE DESCRIPTION:	VC	Grey Sand & Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	40.62	MG/KG	25			
TOLUENE	40.62	MG/KG	25			
ETHYL BENZENE	3.1	MG/KG	25			
TOTAL XYLENES	36	MG/KG	25			
TOTAL BTEX	40.3	MG/KG				
TPH (418.1)	34.1 <10	MG/KG			2.10	28
HEADSPACE PID	402	PPM				
PERCENT SOLIDS	92.7	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 103 % for this sample All QA/QC was acceptable.

Narrative:

ATI BTEX Results attached.

DF = Dilution Factor Used

Approved By:

[Signature]

Date:

7/14/94



2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

El Paso Natural Gas Company
770 W. Navajo
Farmington, NM 87401

Project Name/Number: PIT PROJECT 24324

On 05/06/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** and **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Upon arrival, it was noted that sample 945055 contained headspace. The client was notified and the sample was analyzed "as is."

The laboratory was instructed to correct the sampling data for sample 945075 to 05/04/94.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR: jd

Enclosure



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405331
PROJECT # : 24324
PROJECT NAME : PIT PROJECT

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
08	945056	NON-AQ	05/02/94	05/09/94	05/13/94	25
09	945057	NON-AQ	05/02/94	05/09/94	05/12/94	50
10	945058	NON-AQ	05/02/94	05/09/94	05/13/94	50
PARAMETER			UNITS	08	09	10
BENZENE			MG/KG	<0.62	<1.2	17
TOLUENE			MG/KG	<0.62	<1.2	420
ETHYLBENZENE			MG/KG	3.1	4.2	66
TOTAL XYLENES			MG/KG	36	64	690

SURROGATE:

BROMOFLUOROBENZENE (%)	103	50*	160*
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*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

District I
O. Box 1980, Hobbs, NM
District II
O. Drawer DD, Artesia, NM 88211
District III
100 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: Howell GC D1
Well Name
Location: Unit or Qtr/Qtr Sec C Sec 6 T29N R 9W County SAN JUAN
Pit Type: Separator Dehydrator Other BLOW
Land Type: BLM , State , Fee , Other COM AGMT.

Pit Location: See map Pit dimensions: length 30', width 30', depth 6'
(Attach diagram) Reference: wellhead X, other
DEPUTY OIL & GAS INSPECTOR

Footage from reference: 175'
DEC 11 9 1996

Direction from reference: 60 Degrees East North X
of
X West South

Approved

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 10

Wellhead Protection Area:
(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____

Date Completed: 8/11/94

Remediation Method: Excavation ☒
(Check all appropriate sections) Landfarmed ☒

Approx. cubic yards 100

Insitu Bioremediation _____

Other _____

Remediation Location:
(ie. landfarmed onsite,
name and location of
offsite facility)

Onsite ☒ offsite _____

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: _____

No ☒

Yes _____

Depth _____

Final Pit:

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location see Attached Documents

Sample depth 6'

Sample date 8/11/94

Sample time 1155

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0.0

TPH 28 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 8/11/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

ONSITE: 8/11/94

BLAGG ENGINEERING, INC.

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

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

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client: Amoco
Sample ID: 5 @ 6'
Project Location: Houck GC D 1
Laboratory Number: TPH-1069

Project #:
Date Analyzed: 8-11-94
Date Reported: 8-11-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	28	20

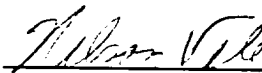
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
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	5920	8160	27.45


*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: Blow Pit - B0050



Analyst



Review