

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

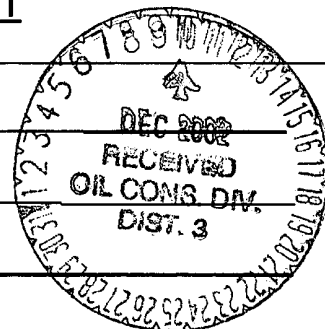
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Risk
Bedrock
defined
plume

Submit 1 copy to
appropriate
District Office
and 1 copy to
the Santa Fe Office
(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Telephone: _____
Address: 30-045-09118
Facility Or: Federal B#1 P&A, Meter 73821
Well Name _____
Location: Unit or Qtr/Qtr Sec O Sec 28 T 30 R 11 County San Juan
Pit Type: Separator _____ Dehydrator X Other _____
Land Type: BLM X, State _____, Fee _____ Other _____



Pit Location: Pit dimensions: length 15', width 14', depth 2'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 99'

Direction from reference: 327 Degrees X East North _____
of _____ West South _____

Depth To Ground Water	Less than 50 feet	(20 points)
(Vertical distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal	Greater than 100 feet	(0 points) <u>20</u>
high water elevation of		
ground water.)		

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No (0 points) <u>0</u>
domestic water source, or; less than	
1000 feet from all other water sources.)	

Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points) <u>0</u>
irrigation canals and ditches.)		

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 04/18/94 Date completed: 04/18/94

Remediation Method: Excavation X Approx. cubic yards 12

(Check all appropriate sections.)

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite Tierra
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Hit rock at 4', couldn't dig any farther .Pulled sample at 4'.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location Four walls and center of pit composite

Sample depth 4'

Sample Date 04/18/94 Sample time 15:00

Sample Results

Benzene(ppm) 1.00

Total BTEX(ppm) 75.1

Field headspace(ppm) 175

TPH 329

Ground Water Sample: Yes _____ No X (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

1/8/03

Signature

Scott T. Pope

Printed Name
and Title

Scott T. Pope
Senior Env. Scientist



PIT CLOSURE REQUEST

Federal B#1
Meter/Line ID - 73821

SITE DETAILS

Legals - Twn: 30N
NMOCD Hazard Ranking: 20
Operator: Meridian

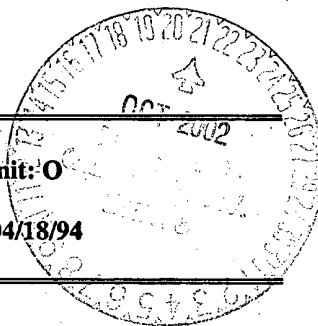
Rng: 11W

Sec: 28

Unit: O

Land Type: BLM

Pit Closure Date: 04/18/94



RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 4 feet (ft) below ground surface (bgs) where bedrock was encountered, and a soil sample was collected for field headspace analysis and laboratory analysis for BTEX and TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 175 ppm; laboratory analysis indicated a benzene concentration of 1.0 mg/kg, a total BTEX concentration of 75.1 mg/kg, and a TPH concentration of 329 mg/kg. The total BTEX and TPH concentrations exceeded recommended remediation levels for the Hazard Ranking Score of 20.

Twelve cubic yards of soil were excavated and hauled to Tierra, a commercial landfarm, for treatment. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed with refusal at 10 ft below ground surface (bgs). No groundwater was encountered in the soil boring. One laboratory sample was collected at 9-10 ft bgs. Headspace analysis indicated an organic vapor content of 75 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. TPH and BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III activities were conducted.

El Paso Field Services requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over eight years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Excavated material has been removed from the pit, eliminating the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are incomplete.
- Groundwater was not encountered in the soil boring to 10 ft bgs.



PIT CLOSURE REQUEST

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene, total BTEX, and TPH concentrations in the sample collected at the base of the Phase 2 soil boring were non-detect, indicating that no significant downward constituent migration is occurring.
- Bedrock was encountered at 4 ft bgs, making further excavation of the site impractical.

ATTACHMENTS

Field Pit Assessment Forms (2)
Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form
Phase 2 Soil Boring Log
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 73821 PEA Location: FEDERAL B #1
 Operator #: 0203 Operator Name: Amoco P/L District: KUTZ
 Coordinates: Letter: 0 Section 28 Township: 30 Range: 11
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
 Site Visit Date: 3.18.94 Run: 02 41 3.18.94 RT

SITE ASSESSMENT

NMOCD Zone: Inside Land Type: BLM ☒
 (From NMOCD Vulnerable State ☐
 Maps) Zone ☒ Fee ☐
 Outside ☐ Indian _____

Depth to Groundwater
 Less Than 50 Feet (20 points) ☐
 50 Ft to 99 Ft (10 points) ☐
 Greater Than 100 Ft (0 points) ☒

Wellhead Protection Area :
 Is it less than 1000 ft from wells, springs, or other sources of
 fresh water extraction? , or ; Is it less than 200 ft from a private
 domestic water source? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body
 Less Than 200 Ft (20 points) ☐
 200 Ft to 1000 Ft (10 points) ☐
 Greater Than 1000 Ft (0 points) ☒

Name of Surface Water Body _____

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks,
 Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 0 POINTS

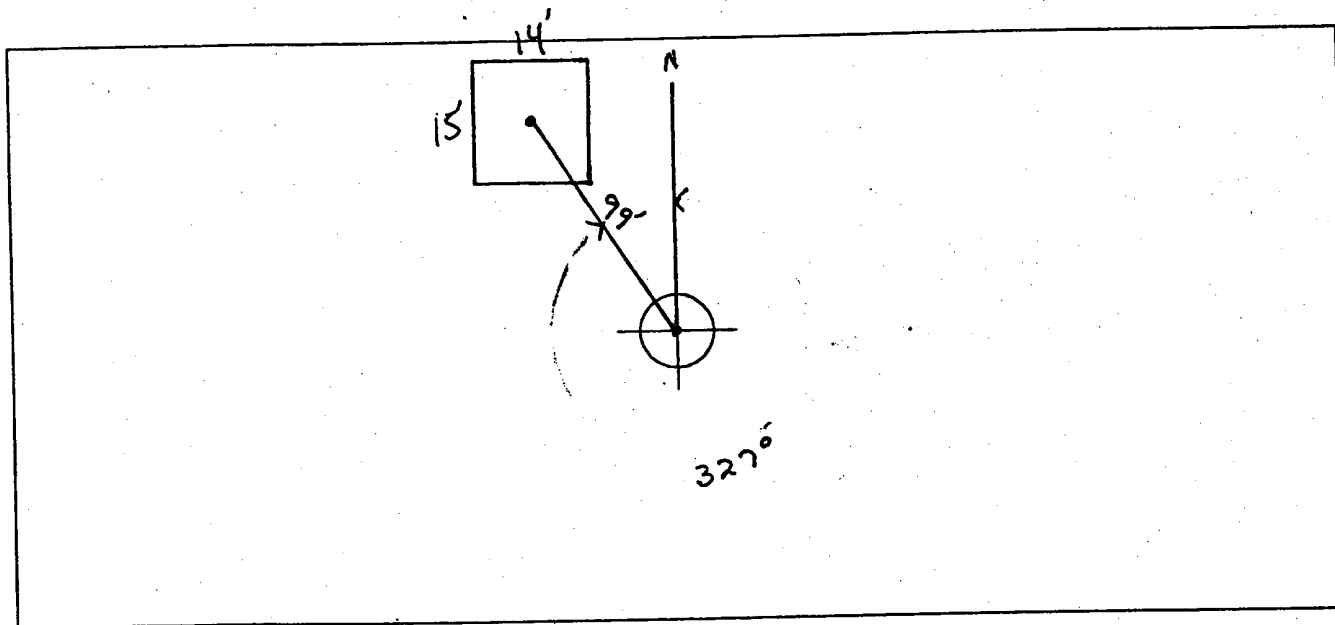
REMARKS

Remarks : 3 PITS ON LOCATION. WILL CLOSE ONLY ONE PIT.
PIT IS DRY. LOCATION IS PEA.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 327° Footage to Wellhead 99'
b) Degrees from North _____ Footage to Dogleg _____
Dogleg Name _____
c) Length : 15' Width : 14' Depth : 2'



REMARKS :

STARTED TAKING PICTURES AT 2:06 P.M.
END DUMP

Completed By:

Pat Thompson

Signature

3.18.94

Date

4.22.94
RT

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>73821</u> Location: <u>FEDERAL B #1</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: _____</p> <p>Coordinates: Letter: _____ Section _____ Township: _____ Range: _____</p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: _____ Area: <u>02</u> Run: <u>41</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p>Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p>Land Type: BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? <input type="checkbox"/> (1) YES (20 points) <input type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS</p>
EMARKS	<p>Remarks : _____</p> <p>_____</p> <p>_____</p>

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>73821</u> Location: <u>FEDERAL B#1</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: <u>AZTEC</u></p> <p>Coordinates: Letter: <u>O</u> Section <u>28</u> Township: <u>30</u> Range: <u>11</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>4-21-98</u> Area: <u>02</u> Run: <u>41</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 100px;">Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type:</p> <p style="margin-left: 100px;">BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater</p> <p style="margin-left: 100px;">Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area</p> <p>Is it less than 1000 ft from wells, springs or other sources of fresh water extraction?, or; Is it less than 200 ft from a private domestic water source?</p> <p style="text-align: center;"><input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p style="margin-left: 100px;">Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS UP ON A HILL NEXT TO RUINS CANYON WASH. MEASURED DISTANCE FROM WELLHEAD TO INTERSECTION IN ROAD TO LOCATE WELL ON TOPO MAP.</u></p>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

changed
to outside
WVZ.

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW7	940695
MTR CODE SITE NAME:	MTR 73821	N/A
SAMPLE DATE TIME (Hrs):	4/18/94	1500
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	4/21/94	4/21/94
DATE OF BTEX EXT. ANAL.:	4/22/94	4/22/94
TYPE DESCRIPTION:	VC	Grey Sand/Clay Mixture

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	1.00	MG/KG	20		2.03	20
TOLUENE	19.9	MG/KG	20		2.03	20
ETHYL BENZENE	3.38	MG/KG	20		2.03	20
TOTAL XYLENES	50.8	MG/KG	20	D1	2.03	20
TOTAL BTEX	75.1	MG/KG				
TPH (418.1)	329	MG/KG	1		2.18	28
HEADSPACE PID	175	PPM				
PERCENT SOLIDS	88	%				

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

Surrogate Recovery was at 108.4 % for this sample All QA/QC was acceptable.
ative:

DF = Dilution Factor Used

Approved By:

John L. Smith

Date:

5/17/94

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: ^{D&A} 73821 Location: Federal B#1
 Coordinates: Letter: 0 Section 28 Township: 30 Range: 11
 Or Latitude _____ Longitude _____
 Date Started : 4-18-94 Area: 02 Run: 41

FIELD OBSERVATIONS

Sample Number(s): ⁹⁴⁰⁶⁹⁵ VW7
 Sample Depth: 4' Feet
 Final PID Reading 175 PID Reading Depth 4' Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth 4' Feet

CLOSURE

Remediation Method :
 Excavation ☒ (1) Approx. Cubic Yards 12
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☐ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☒ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 4-18-94 Pit Closed By: BEI

REMARKS

Remarks : Hit Rock at 4 ft could not dig any further. Pulled sample at 4 ft.

Signature of Specialist: Bob Wilson

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER		PROJECT NAME			TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER			
SAMPLERS: (Signature)		DATE:					TPH EPA 418.1	BTEX EPA 8020					#	REMARKS		
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER												
940693	4-18-94	1000	soil	VW5	1	VC	X	X				3	Discolored soil			
940694	4-18-94	1220	soil	VW6	1	VC	X	X				4	Discolored soil			
940695	4-18-94	1500	soil	VW7	1	VC	X	X				5				
940696	4-18-94	1530	soil	VW8	1	F	X	X				6	Backfill per RC NO #			
RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature) (Refrige)				RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)		
4/18/94				5:15	Steve T. Pope				Steve T. Pope				4/19/94	1020	Steve T. Pope	
RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE/TIME	RECEIVED BY: (Signature)		
REQUESTED TURNAROUND TIME:					SAMPLE RECEIPT REMARKS					RESULTS & INVOICES TO:						
<input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH																
CARRIER CO.					CHARGE CODE					FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499						
BILL NO.:																
					505-599-2144					FAX: 505-599-2261						

RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

Monroe Road
 Houston, New Mexico 87401
 (505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
 Well # 1
 Page 1 of 1

Project Number 19643 Phase 1001.77
 Project Name EPFS PITS >10
 Project Location FEDERAL B #1 73821

Elevation

Borehole Location LTR: D S: 28 T: 30 R: 11

GWL Depth NA

Drilled By K. PADILLA

Well Logged By H. BRADBURY

Date Started 10/29/98

Date Completed 10/29/98

Drilling Method 4 1/4 ID HSA

Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	S/HS	
0				EXCAVATION SAMPLE COLLECTED AT 4'						BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5	1	5-6	12	LT BR SANDSTONE, FINE SAND, MOD. CEMENTATION, dry			0	0	2357 355	1317 hrs
10	2	9-10	6	LT GR SANDSTONE, FINE SAND, LOW CEMENTATION, dry			0	91	123 79	1335 hrs.
15				TOB 10'						
20										
25										
30										
35										
40										

hard
drilling

Comments:

HAB58 9-10' SENT to lab for TPH, BTEX. GW NOT
 ENCOUNTERED.
 AUGER REFUSAL at 9-10'

Geologist Signature

Holly Brackley



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	HAB58	980765
MTR CODE SITE NAME:	73821	Federal B #1
SAMPLE DATE TIME (Hrs):	10/29/98	1335
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	11/9/98	11/10/98
DATE OF BTEX EXT. ANAL.:	10/3/98	11/6/98
TYPE DESCRIPTION:	VG	SOIL

Field Remarks: 9-10'

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (MOD.8015)	<20	MG/KG				
HEADSPACE PID	75	PPM				
PERCENT SOLIDS	93.2	%				

-- TPH is by EPA Method 8015 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 100.0 % for this sample All QA/QC was acceptable.
ative:

DF = Dilution Factor Used

Approved By:

John J. Lodi

Date:

12/3/98

**PINNACLE
LABORATORIES**

2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 811012

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980760	NON-AQ	10/28/98	11/9/98	11/9/98	1
02	980761	NON-AQ	10/28/98	11/9/98	11/9/98	1
03	980762	NON-AQ	10/28/98	11/9/98	11/10/98	1
PARAMETER		DET. LIMIT	UNITS	01	02	03
FUEL HYDROCARBONS, C6-C10		10	MG/KG	< 10	20	< 10
FUEL HYDROCARBONS, C10-C22		5.0	MG/KG	5.1	480	5.5
FUEL HYDROCARBONS, C22-C36		5.0	MG/KG	< 5.0	460	< 5.0
CALCULATED SUM:				5.1	960	5.5
SURROGATE:						
O-TERPHENYL (%)				131	156 **	125
SURROGATE LIMITS		(66 - 151)				

CHEMIST NOTES:

**= HIGH SURROGATE RECOVERY DUE TO MATRIX INTERFERENCE.



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED (DIRECT INJECT)
CLIENT : EL PASO FIELD SERVICES
PROJECT # : (none)
PROJECT NAME : PHASE II DRILLING

PINNACLE I.D.: 811012

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	980763	NON-AQ	10/29/98	11/9/98	11/10/98	1
05	980764	NON-AQ	10/29/98	11/9/98	11/10/98	1
06	980765	NON-AQ	10/29/98	11/9/98	11/10/98	1
PARAMETER		DET. LIMIT	UNITS	04	05	06
FUEL HYDROCARBONS, C6-C10		10	MG/KG	88	< 10	< 10
FUEL HYDROCARBONS, C10-C22		5.0	MG/KG	56	< 5.0	< 5.0
FUEL HYDROCARBONS, C22-C36		5.0	MG/KG	40	< 5.0	< 5.0
CALCULATED SUM:				184		

SURROGATE:
O-TERPHENYL (%) 129 124 126
SURROGATE LIMITS (66 - 151)

CHEMIST NOTES:
N/A



2709-D Pan American Freeway NE
Albuquerque, New Mexico 87107
Phone (505) 344-3777
Fax (505) 344-4413

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8015 MODIFIED (DIRECT INJECT)	PINNACLE I.D.	: 811012
BLANK I.D.	: 110998	DATE EXTRACTED	: 11/9/98
CLIENT	: EL PASO FIELD SERVICES	DATE ANALYZED	: 11/9/98
PROJECT #	: (none)	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: PHASE II DRILLING		

PARAMETER	UNITS	
FUEL HYDROCARBONS, C6-C10	MG/KG	< 10
FUEL HYDROCARBONS, C10-C22	MG/KG	< 5.0
FUEL HYDROCARBONS, C22-C36	MG/KG	< 5.0

SURROGATE:
BIPHENYL (%) 99
SURROGATE LIMITS (80 - 151)

CHEMIST NOTES:
N/A

BTEX SOIL SAMPLE WORKSHEET

File	:	980765	Date Printed	:	11/15/98
Soil Mass (g)	:	5.12	Multiplier (L/g)	:	0.00098
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical):		200
Shot Volume (uL)	:	50	CAL FACTOR (Report):		0.19531

		DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L)	:	<0.5	Benzene (mg/Kg): #VALUE!	0.488
Toluene (ug/L)	:	<0.5	Toluene (mg/Kg): #VALUE!	0.488
Ethylbenzene (ug/L)	:	<0.5	Ethylbenzene (mg/Kg): #VALUE!	0.488
p & m-xylene (ug/L)	:	<1.0	p & m-xylene (mg/Kg): #VALUE!	0.977
o-xylene (ug/L)	:	<0.5	o-xylene (mg/Kg): #VALUE!	0.488
			Total xylenes (mg/Kg): #VALUE!	1.465
			Total BTEX (mg/Kg): #VALUE!	



El caso

Natural Gas Company

Phase II Drilling

CHAIN OF CUSTODY RECORD

12.28.98 Apr.

12-28-98 Axel
12-28-98

12-28-98 Chuck

Page 1 of 1[illegible]