

District I
1623 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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

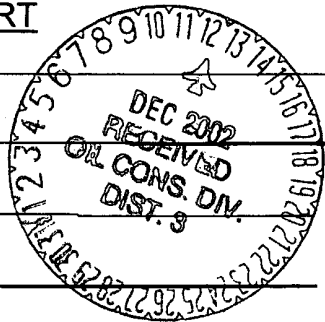
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

*Risk
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: Meridian Telephone: _____

Address: 30-045-09275

Facility Or: Florance B#1, Meter 73499

Well Name _____

Location: Unit or Qtr/Qtr Sec N Sec 20 T 30 R 9 County San Juan

Pit Type: Separator _____ Dehydrator _____ Other Drip

Land Type: BLM X, State _____, Fee _____ Other _____

Pit Location: Pit dimensions: length 13', width 12', depth 1'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 210'

Direction from reference: 135 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>10</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): 10

Date Remediation Started: 05/17/94 Date completed: 05/17/94

Remediation Method: Excavation _____ Approx. cubic yards _____

(Check all appropriate sections.)

Landfarmed _____ Insitu Bioremediation _____

Other Backfill Pit Without Excavation

Remediation Location: Onsite N/A Offsite N/A
(i.e. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: Few line markers

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 12'

Sample Date 05/17/94 Sample time 09:55

Sample Results

Benzene(ppm) Not reported

Total BTEX(ppm) Not reported

Field headspace(ppm) 179

TPH 7120

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

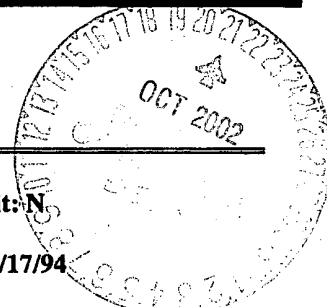
Printed Name
and Title

Scott T. Pope
Senior ENV. Scientist



PIT CLOSURE REQUEST

Florance B#1
Meter/Line ID 73499



SITE DETAILS

Legals - Twn: 30N
NMOCD Hazard Ranking: 10
Operator: Meridan

Rng: 9

Sec: 20 Unit: N
Land Type: BLM
Pit Closure Date: 05/17/94

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 12 feet (ft) below ground surface (bgs) and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 179 ppm; laboratory analysis indicated a TPH concentration of 7,120 mg/kg. The field headspace analysis and TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 10.

No soil was disposed of offsite. The pit was backfilled with site soil, topped with clean soil from the surrounding berms, and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to 32 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 30-32 ft bgs. Headspace analysis indicated an organic vapor content of 5 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 5.1 mg/kg. The benzene, BTEX, and TPH 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.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., current direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring that reached 32 ft bgs; local geologic features indicate that the depth to groundwater is at least 50 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 soil sample collected at the base of the Phase 2 soil boring were below their respective OCD Hazard Ranking criteria.
- The only detection at the base of the Phase 2 soil boring was TPH at 5.1 mg/kg, indicating that no significant downward constituent migration is occurring.

ATTACHMENTS

Field Pit Assessment Form

Revised Field Pit Assessment Form

Field Pit Remediation/Closure Form

Phase 2 Soil Boring Log

Laboratory Analytical Results

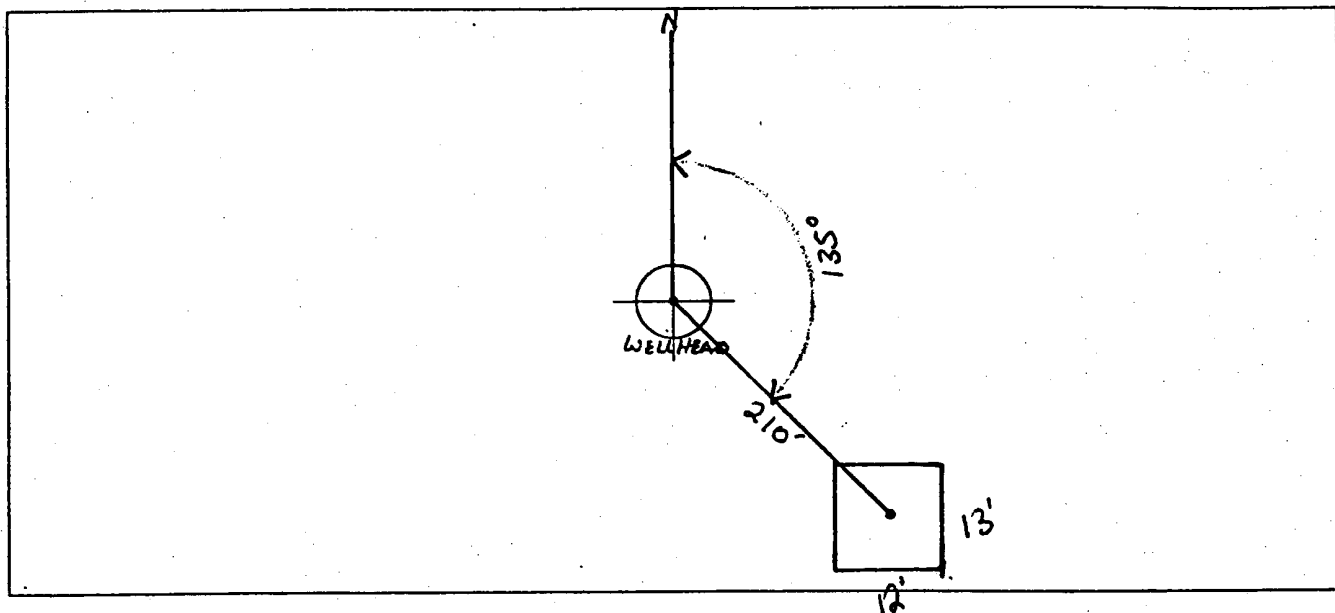
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>73499</u> Location: <u>FLORANCE B #1</u> Operator #: <u>2999</u> Operator Name: <u>MERIDIAN P/L</u> District: <u>BLOOMFIELD</u> Coordinates: Letter: <u>N</u> Section <u>20</u> Township: <u>30</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>4.19.94</u> Area: <u>10</u> Run: <u>4333</u> ^{4.24.94} _{RT}	
	NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2) Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" type="checkbox"/> (3) 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 checked="" type="checkbox"/> (2) NO (0 points) Horizontal Distance to Surface Water Body 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) Name of Surface Water Body _____ (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' TOTAL HAZARD RANKING SCORE: <u>0</u> POINTS	
SITE ASSESSMENT		
REMARKS	Remarks : <u>TWO PITS ON LOCATION, WILL CLOSE ONLY ONE. PIT IS DRY. DO NOT KNOW WHY LOCATION IS IN THE WATER VULNERABLE ZONE.</u>	

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 13S° Footage from Wellhead 210'
b) Length : 13' Width : 12' Depth : 1'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 11:51 A.M.END DUMP

Completed By:

Bob Champion

Signature

4.19.94

Date

4-24-94
RT

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>73499</u> Location: <u>FLORENCE R #1</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: _____ Section: _____ Township: _____ Range: _____ Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: _____ Area: <u>10</u> Run: <u>43</u>			
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps)		Land Type:	
	Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)	BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____		
	Depth to Groundwater 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)			
	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)			
MARKS	Horizontal Distance to Surface Water Body 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) Name of Surface Water Body _____ (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS			
	Remarks : _____ _____ _____			

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>73499</u> Location: <u>Florence B#1</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: <u>N</u> Section <u>20</u> Township: <u>30</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>4/8/98</u> Area: _____ Run: _____
SITE ASSESSMENT	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> NMOCD Zone: (From NMOCD Maps) </div> <div style="width: 45%;"> Land Type: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> (1) Inside <input checked="" type="checkbox"/> (2) Outside </div> <div style="width: 45%;"> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____ </div> </div> </div> </div> <div style="margin-top: 10px;"> Depth to Groundwater <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points) </div> <div style="width: 45%;"> <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) <input type="checkbox"/> (3) </div> </div> </div> <div style="margin-top: 10px;"> 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? <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points) </div> </div> <div style="margin-top: 10px;"> Horizontal Distance to Surface Water Body <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Less Than 200 Ft (20 points) 200 Ft to 1000 Ft (10 points) Greater Than 1000 Ft (0 points) </div> <div style="width: 45%;"> <input type="checkbox"/> (1) <input type="checkbox"/> (2) <input checked="" type="checkbox"/> (3) </div> </div> </div> <div style="margin-top: 10px;"> Name of Surface Water Body _____ (Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100' </div> <div style="margin-top: 10px;"> TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS </div>
REMARKS	Remarks : <u>Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site is <100' vertical from center of Pemada Canyon.</u>



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW87	945204
MTR CODE SITE NAME:	73499	N/A
SAMPLE DATE TIME (Hrs):	5-17-94	0955
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5-18-94	5/18/94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Grey sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	7120	MG/KG			1.48	28
HEADSPACE PID	179	PPM				
PERCENT SOLIDS	88.1	%				

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

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

DF = Dilution Factor Used

Approved By:

John Ladd

Date:

5/21/94

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 73494 Location: Florence B#1
 Coordinates: Letter: N Section 20 Township: 30 Range: 9
 Or Latitude _____ Longitude _____
 Date Started : 5-17-94 Area: 10 Run: 33

FIELD OBSERVATIONS

Sample Number(s): VW87
 Sample Depth: 12 Feet
 Final PID Reading 179 PID Reading Depth 12 Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☐ (1) Approx. Cubic Yards _____
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☒ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☐ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-17-94 Pit Closed By: BEI

REMARKS

Remarks : Few line markers

Signature of Specialist: Vale Wilson

CHAIN OF CUSTODY RECORD

Page 1 of 2

PROJECT NUMBER		PROJECT NAME			TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER	
		Pit Closure Project # 24324					TPH EPA 418.1	BTEX EPA 8020						
AMPLERS: (Signature) <u>Vale Wilson</u> DATE: <u>5/17/94</u>													REMARKS	
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER										
S202	5-17-94	840	Soil	VW85	1	VG	X						76	
S203	5-17-94	930	Soil	VW86	1	VG	X						77	
S204	5-17-94	955	Soil	VW87	1	VG	X						78	
S205	5-17-94	1020	Soil	VW88	1	VG	X						79	
S206	5-17-94	1100	Soil	VW89	1	VG	X						80	
S207	5-17-94	1115	Soil	VW90	1	VG	X						81	
S208	5-17-94	1115	Soil	VW91	1	D	X							
S209	5-17-94	1120	Soil	VW92	1	B	X							
S210	5-17-94	1200	Soil	VW93	1	VG	X						82	
S211	5-17-94	1300	Soil	VW94	1	VG	X						83	
S212	5-17-94	1330	Soil	VW95	1	VG	X						84	
S213	5-17-94	1415	Soil	VW96	1	VG	X						85	

RELINQUISHED BY: (Signature) <u>Vale Wilson</u>	DATE/TIME <u>5-17-94 1755</u>	RECEIVED BY: (Signature) <u>Brenda Liss</u>	RELINQUISHED BY: (Signature) <u>Brenda Liss</u>	DATE/TIME <u>5/18/94 0955</u>	RECEIVED BY: (Signature) _____
RELINQUISHED BY: (Signature) _____	DATE/TIME _____	RECEIVED BY: (Signature) _____	RELINQUISHED BY: (Signature) _____	DATE/TIME _____	RECEIVED BY: (Signature) <u>Kim K</u>

REQUESTED TURNAROUND TIME: <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH	SAMPLE RECEIPT REMARKS	RESULTS & INVOICES TO:
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.

4000 [redacted] Road
 Albuquerque, New Mexico 87401
 (505) 226-2262 FAX (505) 326-2388

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

Project Number 19643 Phase 1001.77
 Project Name EPFS PITS >10
 Project Location FLORENCE SH 73499

Elevation _____
 Borehole Location LTR: N S: 20 T: 30 R: 9
 GWL Depth NA
 Drilled By K. PADILLA
 Well Logged By H. BRADBURY
 Date Started 10/28/98
 Date Completed 10/28/98

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										BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5										
10				EXCAVATION SAMPLE COLLECTED AT 12'						
15	1	15-17	24	LT BR SILTY SAND, FINE SAND LOOSE, dry	SM		0	0	174 670	1012 hrs
20	2	20-22	24	DK GR SANDY CLAY. FINE SAND. MOD plastic, soft, dry			0	29	403 512	1016 hrs
25	3	25-27	24	LT BR SANDY CLAY. FINE SAND LOW plastic, soft, dry			0	0	25 18	1024 hrs
30	4	30-32	24	LT BR SAND, MED SAND. LOOSE dry			0	0	28 5	1034 hrs
35				TO B 32'						
40										

Notes: HAB53 30-32' SENT TO LAB FOR TPH BTEX GW NOT
 ENCOUNTERED. BH GRouted TO SURFACE

Geologist Signature

H. Bradbury



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	HAB53	980760
MTR CODE SITE NAME:	73499	Florance B #1
SAMPLE DATE TIME (Hrs):	10/28/98	1034
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	11/9/98	11/9/98
DATE OF BTEX EXT. ANAL.:	11/3/98	11/6/98
TYPE DESCRIPTION:	VG	SOIL

Field Remarks: 30-32'

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)	5.1	MG/KG				
HEADSPACE PID	5	PPM				
PERCENT SOLIDS	95.8	%				

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

The Surrogate Recovery was at 98.6 % for this sample All QA/QC was acceptable.
ative:

DF = Dilution Factor Used

Approved By: John F. Smith

Date: 12/3/98



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	
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

**PINNACLE
LABORATORIES**

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. FACTOR
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	
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 (%)
SURROGATE LIMITS

(66 - 151)

129 124 126

CHEMIST NOTES:
N/A

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

PINNACLE
LABORATORIES

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

ERROGATE:
ERPHENYL (%) 99
SURROGATE LIMITS (80 - 151)

CHEMIST NOTES:
N/A

BTEX SOIL SAMPLE WORKSHEET

File	:	980760	Date Printed	:	11/15/98
Soil Mass (g)	:	5.21	Multiplier (L/g)	:	0.00096
Extraction vol. (mL)	:	10	CAL FACTOR (Analytical)	:	200
Shot Volume (uL)	:	50	CAL FACTOR (Report)	:	0.19194

	DILUTION FACTOR:	1	Det. Limit
Benzene (ug/L) : <0.5	Benzene (mg/Kg):	#VALUE!	0.480
Toluene (ug/L) : <0.5	Toluene (mg/Kg):	#VALUE!	0.480
Ethylbenzene (ug/L) : <0.5	Ethylbenzene (mg/Kg):	#VALUE!	0.480
p & m-xylene (ug/L) : <1.0	p & m-xylene (mg/Kg):	#VALUE!	0.960
o-xylene (ug/L) : <0.5	o-xylene (mg/Kg):	#VALUE!	0.480
	Total xylenes (mg/Kg):	#VALUE!	1.440
	Total BTEX (mg/Kg):	#VALUE!	

PROJECT NUMBER # 24324		PROJECT NAME Pit Closure Project			TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER	
SAMPLERS: (Signature) <i>Holly Brackley</i>		DATE: 10/28/98					TPH EPA 418.1	BTEX EPA 8020	LAB PID	TPH 8015	FIELD PID	SEQUENCE #	REMARKS	
LAB ID	DATE	TIME	MATRIX	FIELD ID										
980760	10/28/98	1034	Soil	HAB53	1	VG		✓		✓	5	53	FLORANCE B#1 73499 30-32'	
<i>HAB 10/28/98</i>														
RELINQUISHED BY: (Signature) <i>Holly Brackley</i>		DATE/TIME 10/28/98 1621		RECEIVED BY: (Signature) <i>[Signature]</i>		RELINQUISHED BY: (Signature) <i>[Signature]</i>		DATE/TIME 10/30/98 1345		RECEIVED BY: (Signature)				
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		RELINQUISHED BY: (Signature)		DATE/TIME 1030-98 1345		RECEIVED OF LABORATORY BY: (Signature) <i>CRV</i>				
REQUESTED TURNAROUND TIME: <input type="checkbox"/> ROUTINE <input type="checkbox"/> RUSH				SAMPLE RECEIPT REMARKS <i>COOL + Intact 32°F</i>				RESULTS & INVOICES TO: FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499 505-599-2144 FAX: 505-599-2261						
CARRIER CO.				CHARGE CODE										
BILL NO.:														