

**EL PASO FIELD SERVICES  
PRODUCTION PIT CLOSURE**

**Naw-Di-Des-Wood No. 1  
Meter/Line ID - 74218**

OCT 2000

**SITE DETAILS**

**Legals - Twn: 26  
NMOCD Hazard Ranking: 20  
Operator: Meridian**

**Rng: 8**

**Sec: 30  
Land Type: Eastern Navajo Agency  
Pit Closure Date: 08/05/94**

**Unit: F**

**RATIONALE FOR 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 pit was excavated to three feet, where bedrock was encountered, and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. Approximately 10 cubic yards of material was removed for landfarming and sent to an OCD approved centralized site. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 558 ppm; laboratory analysis indicated a benzene concentration of <0.25 mg/kg, a total BTEX concentration of 25 mg/kg, and a TPH concentration of 3530 mg/kg. This site was re-assessed on August 28, 2000 because the initial assessment incorrectly identified washes as a surface water body.

El Paso Field Services Company (EPFS) 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 six years.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.
- Groundwater was not encountered in the excavation.
- Excavated material has been removed from the pit, eliminating potential direct contact with livestock or the public.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Bedrock was encountered in the excavation at three feet below ground surface, making vertical contamination migration unlikely and further remediation impractical.

**REVISED**  
**FIELD PIT SITE ASSESSMENT FORM**

Meter: 74218 Location: NAW-DI-DES-WOOD NO.1  
Operator #: 2999 Operator Name: MERIDIAN P/L District: BALLARD  
Coordinates: Letter: F Section 30 Township: 26 Range: 8  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 8/29/00 Area: 11 Run: 62

**NMOCD Zone:**

(From NMOCD  
Maps)

Inside

Outside

**Land Type:**

☒ (1)

☐ (2)

BLM ☐ (1)

State ☐ (2)

Fee ☐ (3)

Indian EASTERN  
NAVAJO AGENCY

**Depth to Groundwater**

Less Than 50 Feet (20 points)

☒ (1)

50 Ft to 99 Ft (10 points)

☐ (2)

Greater Than 100 Ft (0 points)

☐ (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?

☐ (1) YES (20 points)

☒ (2) NO (0 points)

**Horizontal Distance to Surface Water Body**

Less Than 200 Ft (20 points)

☐ (1)

200 Ft to 1000 Ft (10 points)

☐ (2)

Greater Than 1000 Ft (0 points)

☒ (3)

Name of Surface Water Body \_\_\_\_\_

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

Distance to Nearest Ephemeral Stream

☐ (1) < 100' (Navajo Pits Only)

☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 20 POINTS

Remarks : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body.

# FIELD PIT SITE ASSESSMENT FORM

3

GENERAL

Meter: 74218 Location: Naw-Di-Des-Wood No. 1  
 Operator #: 2999 Operator Name: Meridian P/L District: Ballard  
 Coordinates: Letter: E Section 30 Township: 26N Range: 8W  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator \_\_\_\_\_ Location Drip: X Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 6-20-94 Area: 11 Run: 62

SITE ASSESSMENT

NMOCD Zone:  
 (From NMOCD  
 Maps)

Inside  
 Outside

Land Type: BLM ☐ (1)  
 State ☐ (2)  
 Fee ☐ (3)  
 Indian Eastern Navajo Agency

Depth to Groundwater

Less Than 50 Feet (20 points) ☒ (1)  
 50 Ft to 99 Ft (10 points) ☐ (2)  
 Greater Than 100 Ft (0 points) ☐ (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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☒ (1)  
 200 Ft to 1000 Ft (10 points) ☐ (2)  
 Greater Than 1000 Ft (0 points) ☐ (3)

Name of Surface Water Body Blanco Wash

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

Distance to Nearest Ephemeral Stream ☒ (1) < 100' (Navajo Pits Only)  
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 POINTS

REMARKS

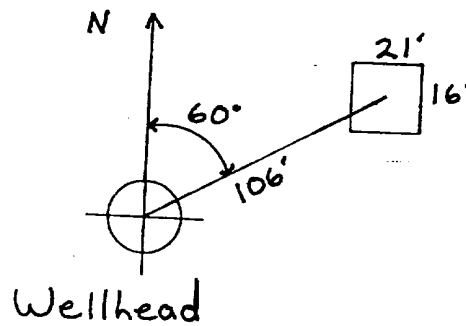
Remarks : One pit on location. Dry  
Inside V.Z. on Redline & Topo

David Hall

## ORIGINAL PIT LOCATION

## ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North <sup>60°</sup>~~106~~ Footage from Wellhead 106  
b) Length : 21 Width : 16 Depth : 2



## REMARKS

Remarks :

Photos - 1058 hrs.Bobtail

Completed By:

Signature

6-20-94

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 74218 Location: Naw-Di-Des-Wood #1  
 Coordinates: Letter: F Section 30 Township: 26N Range: 8W  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 8/5/94 Run: 11 62

FIELD OBSERVATIONS

Sample Number(s): KD 190  
 Sample Depth: 3' Feet  
 Final PID Reading 558 PID Reading Depth 3' Feet  
 Yes No  
 Groundwater Encountered ☐ ☒ Approximate Depth \_\_\_\_\_ Feet

CLOSURE

Remediation Method :  
 Excavation ☒ Approx. Cubic Yards 10  
 Onsite Bioremediation ☐  
 Backfill Pit Without Excavation ☐  
 Soil Disposition:  
 Envirotech ☒ Tierra ☐  
 Other Facility ☐ Name: \_\_\_\_\_  
 Pit Closure Date: 8/5/94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 3', hit Sandstone, took  
PID Sample, Closed pit.

Signature of Specialist: Kenny Dean



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT  
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 190	945851
MTR CODE   SITE NAME:	24218	N/A
SAMPLE DATE   TIME (Hrs):	8-5-94	0930
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	8/9/94	8/9/94
DATE OF BTEX EXT.   ANAL.:	8/11/94	8/11/94
TYPE   DESCRIPTION:	VC	Grey Coarse Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	LO.25	MG/KG	10			
TOLUENE	<0.25	MG/KG	10			
ETHYL BENZENE	0.32	MG/KG	10			
TOTAL XYLENES	24	MG/KG	10			
TOTAL BTEX	25	MG/KG				
TPH (418.1)	3530	MG/KG			2.15	28
HEADSPACE PID	558	PPM				
PERCENT SOLIDS	92.5	%				

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

The Surrogate Recovery was at 240 % for this sample All QA/QC was acceptable.

Native:

ATIS results attached. Surrogate recovery was outside  
ATIS QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By:

J. S.

Date:

9/2/94



## GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)  
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 408339  
PROJECT # : 2-324  
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	945850	NON-AQ	08/05/94	08/11/94	08/11/94	1
08	945851	NON-AQ	08/05/94	08/11/94	08/11/94	10
09	945852	NON-AQ	08/05/94	08/11/94	08/11/94	10
PARAMETER			UNITS	07	08	09
BENZENE			MG/KG	<0.025	<0.25	<0.25
TOLUENE			MG/KG	<0.025	<0.25	<0.25
ETHYLBENZENE			MG/KG	<0.025	0.32	1.9
TOTAL XYLENES			MG/KG	<0.025	24	42

## SURROGATE:

BROMOFLUOROBENZENE (%) 90 240\* 116

\*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE



Analytical**Technologies**, Inc.

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



ATI I.D. 408339

August 25, 1994


El Paso Natural Gas Co.  
P.O. Box 4990  
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

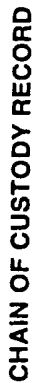
On 08/10/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

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:jt

Enclosure



White - Testing Laboratory	Canary - EPNG Lab	Pink - Field Sampler