EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

OK.

Bassett Federal #1
Meter/Line ID – 89542

SITE DETAILS

Legals - Twn: 30N	**Rng: 10W**	**Sec: 33**	**Unit: M**
NMOCD Hazard Ranking: 40		**Land Type: BLM**	
Operator: Amoco		**Pit Closure Date: 05/16/94**	

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 Phase I excavation was conducted on May 16, 1994, to 5 feet below ground surface 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 and bedrock was encountered at 5 feet below ground surface. Approximately 30 cubic yards of excavated 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 463 ppm; laboratory analysis indicated a benzene concentration of <0.12 mg/kg, a total BTEX concentration of 7.6 mg/kg, and a TPH concentration of 494 mg/kg.

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 six years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavations.
- Bedrock was encountered at 5 feet below ground surface making further remediation impractical; therefore, impact to groundwater is unlikely.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene and total BTEX were below required remediation levels.
- Excavated material has been removed from the pit eliminating potential direct contact with livestock and the public.

ATTACHMENT

Field Pit Assessment Form
Field Pit Remediation/Closure Form Phase I
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 89542 Location: BASSETT FEDERAL #1
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: M Section 33 Township: 30 Range: 10
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: X Line Drip: ___ Other: _____
Site Assessment Date: 5.3.94 Area: 10 Run: 73

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☒ (1)
Outside ☐ (2)

Land Type:
BLM ☒ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

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 LITTLE SLANE CANYON
(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 : ONLY PIT ON LOCATION. PIT IS DRY. REDLINE AND TOPO CONFIRMED LOCATION TO BE INSIDE THE V.Z.

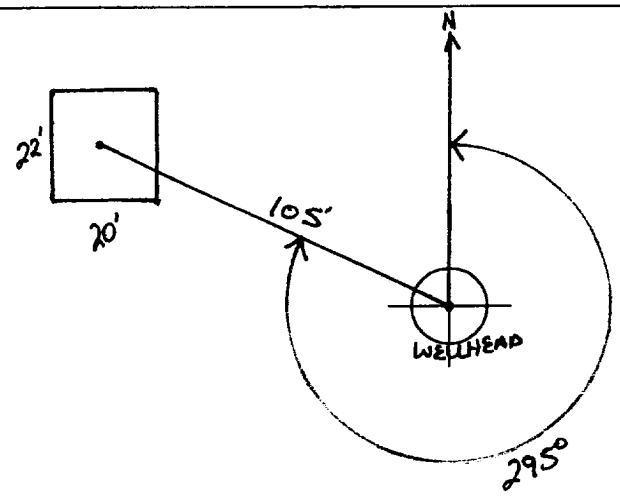
DIG & HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 295° Footage from Wellhead 105'

b) Length : 22' Width : 20' Depth : 3'



REMARKS

Remarks :

TOOK PICTURES AT 9:36 A.M.

END DUMP

Completed By:

Robert Thompson
Signature

5·3·94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89542 Location: Basset Federal #1

Coordinates: Letter: M Section 33 Township: 30 Range: 10

Or Latitude _____ Longitude _____

Date Started : 5-16-94 Area: 10 Run: 73

OBSERVATIONS

Sample Number(s): KD63 _____ _____ _____

Sample Depth: 5' Feet

Final PID Reading 463 ppm PID Reading Depth 5' Feet

Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 30

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 5-16-94 Pit Closed By: BEI

REMARKS

Remarks : Pit had high Contamination through out. At 5' Sandstone Layer Began. Excavated pit to 5', took PID Reading, Closed pit

Signature of Specialist: [signature]

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El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD63	945184
MTR CODE | SITE NAME:	89542	N/A
SAMPLE DATE | TIME (Hrs):	5-16-94	1232
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	5-17-94	5|17|94
DATE OF BTEX EXT. | ANAL.:	5|19|94	5|21|94
TYPE | DESCRIPTION:	VC	Black/Grey Course Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.12	MG/KG	5			
TOLUENE	0.22	MG/KG	5			
ETHYL BENZENE	0.65	MG/KG	5			
TOTAL XYLENES	6.6	MG/KG	5			
TOTAL BTEX	7.6	MG/KG				
TPH (418.1) 7/7/94	~~490~~ 494	MG/KG			2.08	28
HEADSPACE PID	463	PPM				
PERCENT SOLIDS	93.6	%				

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

The Surrogate Recovery was at 155 % for this sample All QA/QC was acceptable.

Narrative:
ATI results attached. Surrogate recovery was outside ATI QC limits due to matrix interference

DF = Dilution Factor Used

Approved By: John Leeth Date: 7/14/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405378

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	945185	NON-AQ	05/16/94	05/19/94	05/21/94	1
20	945186	NON-AQ	05/16/94	05/19/94	05/21/94	5

PARAMETER	UNITS	19	20
BENZENE	MG/KG	<0.025	<0.12
TOLUENE	MG/KG	<0.025	0.22
ETHYLBENZENE	MG/KG	<0.025	0.65
TOTAL XYLENES	MG/KG	0.12	6.6
SURROGATE:			
BROMOFLUOROBENZENE (%)		104	155*

*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. **405378**

June 2, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **05/18/94**, 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.

Client samples 945004 and 945007 were submitted to Analytical Technologies' Albuquerque laboratory past the recommended EPA holding time.

NOTED
6/6/94

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

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jd

Enclosure

JUN 1994

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER	PROJECT NAME	SAMPLERS: (Signature)	DATE
	Pit Closure Project # 24324	Kenny Dearen	5-16-94

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020				Seq #	REMARKS
S184	5-16-94	0845	Soil	KD 61	1	VC	X	X				55	
S185	5-16-94	1050	Soil	KD 62	1	VC	X	X				56	
S186	5-16-94	1230	Soil	KD 63	1	VC	X	X				57	
S187	5-16-94	1535	Soil	KD 64	1	VC	X	X				58	

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kenny Dearen	5-16-94 1810	Brenda Lucas	Brenda Lucas	5/17/94 1225	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

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

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

FM-08-0565A (Rev 03-94)