EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

Verbal Approval
DEPUTY OIL & GAS INSPECTOR

DEC 2 1 1998

Approved

OXNARD WN FED #5
Meter/Line ID - 75248

RECEIVED
JUL 2 1998
OIL CON. DIV.

SITE DETAILS

Legals - Twn: 27 **Rng:** 08 **Sec:** 13 **Unit:** M
NMOCD Hazard Ranking: 40 **Land Type:** 2 - Federal
Operator: CONOCO - MESA OPERATING L **Pit Closure Date:** 06/09/94

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

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

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 75248 Location: Oxnard WN Fed No. 5
Operator #: 0286 Operator Name: Conoco P/L District: Blanco
Coordinates: Letter: M Section 13 Township: 27 Range: 8
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ___ Location Drip: ✓ Line Drip: ___ Other: _____
Site Assessment Date: 5/27/94 Area: 13 Run: 31

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside [X] (1)
Outside [ ] (2)

Land Type:
BLM [X] (1)
State [ ] (2)
Fee [ ] (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) [X] (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) [X] (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) [X] (1)
200 Ft to 1000 Ft (10 points) [ ] (2)
Greater Than 1000 Ft (0 points) [ ] (3)
Name of Surface Water Body Smith 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 : Redline & Vuln. - Inside
Pit Will close Pit Dry

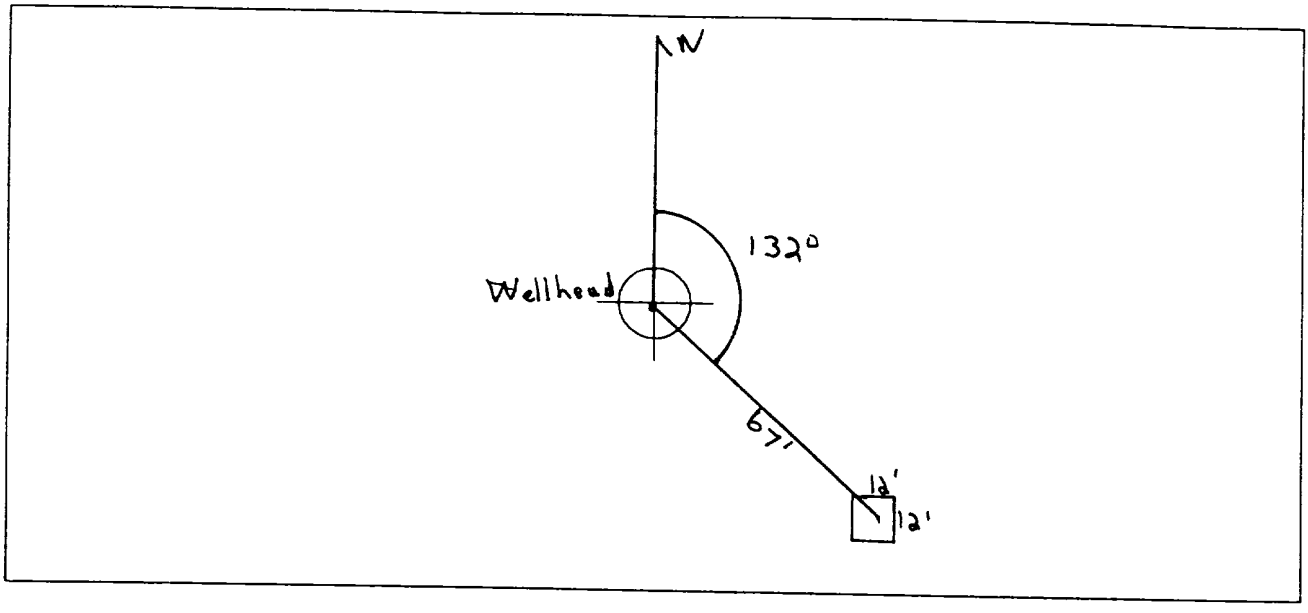
DIG & HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 132° Footage from Wellhead 67'

b) Length : 12' Width : 12' Depth : 0'



REMARKS

Remarks :

Pictures @ 1137 (17-22)

Dump Truck

Completed By:

Cory Chase
Signature

5/27/94
Date

PHASE I
EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 75248 Location: Oxnard wn Fed #5

Coordinates: Letter: M Section 13 Township: 27 Range: 8

Or Latitude _____ Longitude _____

Date Started : 6/9/94 Area: 13 Run: 31

FIELD OBSERVATIONS

Sample Number(s): 4P29 _____ _____ _____

Sample Depth: 12 Feet

Final PID Reading 363 ppm PID Reading Depth 12 Feet

Yes No

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

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 50

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 6/9/94 Pit Closed By: BEI

REMARKS

Remarks : Remediated pit to 12' took VC sample meter reading was 363 ppm at 90°. closed pit floor still black

Signature of Specialist: James L Pence

(SP3191) 04/07/

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP29	945409
MTR CODE | SITE NAME:	75248	N/A
SAMPLE DATE | TIME (Hrs):	6-9-94	1515
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6/10/94	6/10/94
DATE OF BTEX EXT. | ANAL.:	6/15/94	6/17/94
TYPE | DESCRIPTION:	VC	Grey Brown Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.25	MG/KG	10			
TOLUENE	<0.25	MG/KG	10			
ETHYL BENZENE	1.2	MG/KG	10			
TOTAL XYLENES	12	MG/KG	10			
TOTAL BTEX	14	MG/KG				
TPH (418.1)	724	MG/KG			2.06	28
HEADSPACE PID	343	PPM				
PERCENT SOLIDS	~~94.7~~ 92.1	%				

6/12/94 – TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

The Surrogate Recovery was at 85 % for this sample All QA/QC was acceptable.

Narrative: ATI results attached.

DF = Dilution Factor Used

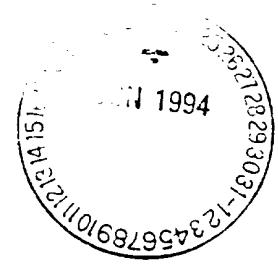
Approved By: _____ Date: 7/7/94

Analytical **Technologies,** Inc.

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

ATI I.D. **406351**

June 21, 1994



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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **06/14/94**, 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.

Letitia Krakowski, Ph.D.
Project Manager

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.: 406351
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
22	945409	NON-AQ	06/09/94	06/15/94	06/17/94	10
23	945422	NON-AQ	06/10/94	06/15/94	06/18/94	1
24	945423	NON-AQ	06/10/94	06/15/94	06/17/94	1

PARAMETER	UNITS	22	23	24
BENZENE	MG/KG	<0.25	<0.025	<0.025
TOLUENE	MG/KG	<0.25	<0.025	0.034
ETHYLBENZENE	MG/KG	1.2	0.026	<0.025
TOTAL XYLENES	MG/KG	12	0.49	0.025
SURROGATE:				
BROMOFLUOROBENZENE (%)		85	100	92

PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well #
Page 1 of 1

Project Name: EPNG PITS
Project Number: 14509 Phase 6000 77
Project Location: Oxnard WN Fed No. 5 75248

Elevation:
Borehole Location: QM-S13-T27-R8
GWL Depth:
Logged By: CM CHANCE
Drilled By: K Padilla
Date/Time Started: 8/29/95 - 0900
Date/Time Completed: 8/29/95 - 0940

Well Logged By: CM Chance
Personnel On-Site: K Padilla, F. Rivera, ~~D. Gorto~~, D. Charlie
Contractors On-Site:
Client Personnel On-Site:

Drilling Method: 4 1/4" ID HSA
Air Monitoring Method: PID, CGI

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 BZ	BH	S HS	Drilling Conditions & Blow Counts
0				BackFill to 12'						
15	1	15-17	6"	Br SILT, with vF-F sand, trmed sand, loose, dry			0	0	0/14	0909 hr
				TDB 17'						
40										

Comments: CMC 94 (15-17') sent to lab (BTEX, TPH). BH grouted to surface

Geologist Signature: [signature]

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC94	947355
MTR CODE | SITE NAME:	75248	Oxnard WN Fed No. 5
SAMPLE DATE | TIME (Hrs):	08-29-95	0909
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	8/30/95	
DATE OF BTEX EXT. | ANAL.:	8/30/95	9/3/95
TYPE | DESCRIPTION:	VG	Light brown sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< 5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	99.3	MG/KG			2.05	28
HEADSPACE PID	14	PPM				
PERCENT SOLIDS	96.1	%				

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

The Surrogate Recovery was at 89% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 9-7-95

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**********************************************************
*                    Test Method for                     *
*      Oil and Grease and Petroleum Hydrocarbons         *
*                    in Water and Soil                   *
*                                                        *
*              Perkin-Elmer Model 1600 FT-IR             *
*                    Analysis Report                     *
**********************************************************

 95/08/30  13:33

  Sample identification
 947355

  Initial mass of sample, g
 2.050

  Volume of sample after extraction, ml
 28.000

  Petroleum hydrocarbons, ppm
 99.312
  Net absorbance of hydrocarbons (2930 cm-1)
 0.023
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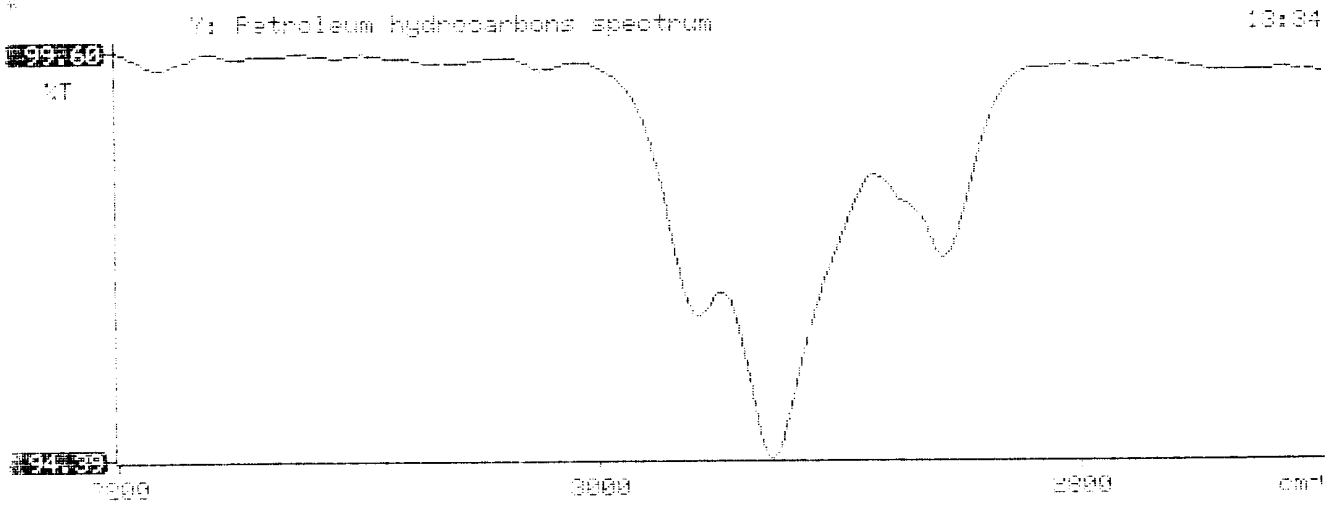

BTEX SOIL SAMPLE WORKSHEET

File :	947355	**Date Printed** :	9/6/95
Soil Mass (g) :	5.02	**Multiplier (L/g)** :	0.00100
Extraction vol. (mL) :	20	**DF (Analytical)** :	200
Shot Volume (uL) :	100	**DF (Report)** :	0.19920

				Det. Limit
Benzene (ug/L) :	0.00	**Benzene (mg/Kg):**	**0.000**	0.498
Toluene (ug/L) :	0.15	**Toluene (mg/Kg):**	**0.030**	0.498
Ethylbenzene (ug/L) :	0.00	**Ethylbenzene (mg/Kg):**	**0.000**	0.498
p & m-xylene (ug/L) :	0.00	p & m-xylene (mg/Kg):	0.000	0.996
o-xylene (ug/L) :	0.00	o-xylene (mg/Kg):	0.000	0.498
		Total xylenes (mg/Kg):	**0.000**	1.494
		Total BTEX (mg/Kg):	**0.030**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\090395-1.019
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 947355,5.02G,100U
Acquired : Sep 03, 1995 01:52:14
Printed : Sep 04, 1995 11:15:11
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.390	0	0.0000
a,a,a TFT	4.950	2125707	89.3188
TOLUENE	6.777	268463	0.1535
ETHYLBENZENE	10.540	0	0.0000
M & P XYLENE	10.877	447653	-1.6828
O XYLENE	11.877	0	0.0000
BFB	13.417	31362426	89.2888