

Legals - Twn: 28

NMOCD Hazard Ranking: 60

SAN JUAN 28-7 UNIT 252 Meter/Line ID - 90564

SITE DETAILS

Sec: 32

Rng: 07

Unit: C

CON. DIV Land Type: 2 - Federal

Operator: CONOCO - MESA OPERATING L Pit Closure Date: 07/11/94

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.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade time with minimal risk environment. to the

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 90564 Location: San Java 28-7 Unit 252 Operator #: D203 Operator Name: Amora P/L District: Blanca Coordinates: Letter: Section 32 Township: 28 Range: 7 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 5/27/44 Area: 13 Run: 61
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Depth to Groundwater Less Than 50 Feet (20 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? (1) YES (20 points) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Greater Than 1000 Ft (0 points) (2) Greater Than 1000 Ft (10 points) (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 (1) < 100'(Navajo Pits Only) (2) > 100' TOTAL HAZARD RANKING SCORE: Depth to 101 Fee (3) State (2) Indian Land Type: BLM (2) State (2
S	TOTALS
REMARKS	Remarks: Redline-Inside, Vuln-Inside (online) 4 pits. Will Close 1. Pit Dry
EM4	
~	DIG4HAVI
	1 \ (SP3190) 04/08/94

	ORIGINAL PIT LOCATION
ORIGINAL PIT LOCATION	Original Pit : a) Degrees from North 147° Footage from Wellhead 48′ b) Length : 29′ Width : 28′ Depth : 4′
	Wallhood 147°
	Remarks: P; ctures (21541 (16-19) Dump Truck
MARKS	
REMA	
	Completed By:
	5/27/94

PHASE I **EXCAVATION**

FIF'D PIT REMEDIATION/CLOSTRE FORM

GENERAL	Meter: 90564 Location: SAN JUAM 287 UNITES Coordinates: Letter: C Section 32 Township: 28 Range: 7 Or Latitude Longitude ——— Date Started: 7-11-94 Area: 13 Run: 61	
FIELD OBSERVATIONS	Sample Number(s): 12 Feet Sample Depth: 15 Feet Final PID Reading Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet	
aditions	13011 Disposition:	
	Remarks: Some line markers. Started Remediating to 12' soil turned Black & Gray with a Smell. Hit sayd stowe At 10' soil turned Darke Gray. Pid sgz closed Pit. Signature of Specialist: Kully Padilla	04/07/



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP121	945626
MTR CODE SITE NAME:	90564	San Juan 28-7 Unit 252
SAMPLE DATE TIME (Hrs):	11-Jul-94	1533
PROJECT:	Phase I	Excavation
DATE OF TPH EXT. ANAL.:	7/12/94	7/12/94
DATE OF BTEX EXT. ANAL.:	7/12/94	7/12/94
TYPE DESCRIPTION:	vc	Lt. grey sandstone/clay

Field Remarks: Split

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS					
			DF	a	M(g)	V(ml)		
BENZENE	< 0.025	MG/KG						
TOLUENE	0.188	MG/KG		,				
ETHYL BENZENE	0.422	MG/KG				· · · · · · · · · · · · · · · · · · ·		
TOTAL XYLENES	8.10	MG/KG						
TOTAL BTEX	8.74	MG/KG						
TPH (418.1)	488	MG/KG			2.17	28.0		
HEADSPACE PID	592	РРМ						
PERCENT SOLIDS	87.5	%	·					

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --% for this sample All QA/QC was acceptable. 62.2 The Surrogate Recovery was at Narrative: Surrogate recovery was outside EPNG QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: John Farth.

Orizinal: 8/8/94

Date: R- Printed: 3/16/98

```
Test Yetrod for
     711 tet 1 sees and Fatroleum Hydrocarbons
               in Water and Soil
          Factor-Himer Model 1600 FT-IR
                Analysis Report
THE SETTING THE SECOND
· Tample identification
745621
: Initial mass of sample, q
Volume of sample after extraction. ml
79.000
 Fetroleum hydrocarbons, ppm
48E,488
Het absorbance of hydrocarbons (2930 cm-1)
9.047
        T: Fetholeum hydrocerbons spectrum
                                                          12:06
. 12 E. Palling
                                                 2800
    COMB
                          3000
                                                            ⊕m<sup>-1</sup>
```

345626 +110UF M. 7,5/94

John Lambdi: Type : Sampl-

File: BETX__05.D01 Run : 01

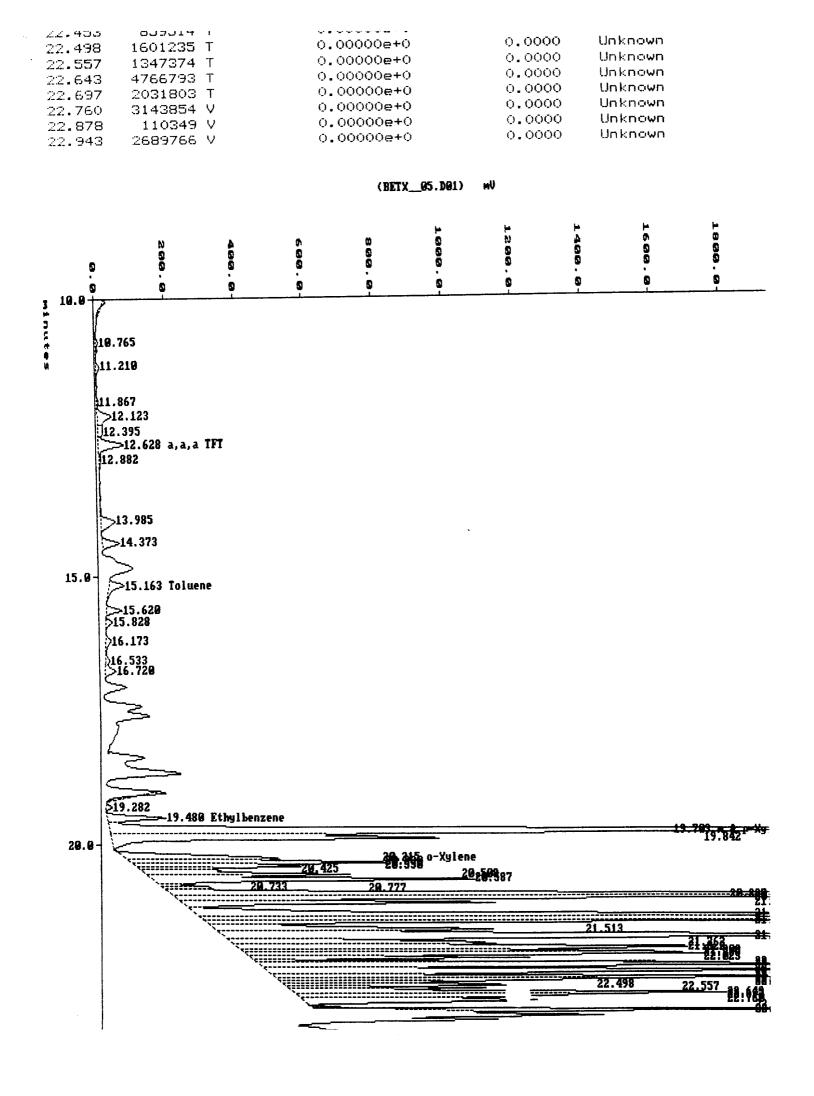
Path : C:\CHROM

[12:00:54 Jul 14 1994] Collection : 13:47:31 Jul 15 1994 Meth(A): BETX [12:00:54 Jul 14 1994] Meth(A): BETX Integration: 13:47:31 Jul 15 1994 Report : 14:13:42 Jul 15 1994 Meth(A): BETX [12:00:54 Jul 14 1994]

Dilution: 5.00000e+0 Sample Amt : 1.00000e+0

EXTERNAL STANDARD (AREA)

RT	Area BC	ExpRT	RF	ug/L	Name
		10.266	8.44764e-6	42.5	Benzene
10.765	43758 T	10.200	0.00000e+0	0.0000	Unknown
11.210	81905 V		0.00000e+0	0.0000	Unknown
11.867	35722 T		0.00000e+0	0.0000	Unknown
12.123	382929 T		0.00000e+0	0.0000	Unknown
12.395	166121 T		0.00000e+0	0.0000	Unknown
12.628	578102 T	12.628	1.53869e-4	889 444.7606	R a.a.a TFT
12.882	57763		0.00000e+0	0.0000	Unknown
13.985	403185 V		0.00000e+0	0.0000	Unknown
14.373	347092		0.00000e+0	0.0000	Unknown
15.163	347721 V	15.150	1.09295e-5	3.8 19.0021	Toluene
15.620	277217 T		0.00000e+0	0.0000	Unknown
15.828	136472 T		0.00000e+0	0.0000	Unknown
16.173	163951 T		0.00000e+0	0.0000	Unknown
16.533	106160 T		0.00000e+0	0.0000	Unknown
16.720	226355 V		0.00000e+0	0.0000	Unknown
19.282	70761 V		0.00000e+0	0.0000	Unknown
19.480	918459 T	19.416	9.27740e-6	8.4 42.6046	Ethylbenzene
19.703	16761177 T	19.648	8.48187e-6	142 710.8308	m & p-Xylene)
19.842	4645989 V		0.00000e+0	0.0000	Unknown 2
20.215	2350043 T	20.221	9.14233e-6	21.4 107.4244	o-Xylene
20.280	2660537 T		0.00000e+0	0.0000	Unknown
20.350	1701734 T		0.00000e+0	0.0000	Unknown
20.425	617349 T		0.00000e+0	0.0000	Unknown
20.508	2301235 T		0.00000e+0	0.0000	Unknown)
20.587	3744562 T		0.00000e+0	0.0000	Unknown A V
20.733	464791 T		0.00000e+0	0.0000	Unknown
20.776	379721 T		0.00000e+0	0.0000	Unknown 1/15/94
20.887	13224411 T	20.837	4.70556e-6	62.2 311.1414	Unknown ((\V)')
20.928	7971994 T		0.00000e+0	0.0000	Unknown
21.035	3151856 T		0.00000e+0	0.0000	Unknown
21.240	7991247 T		0.00000e+0	0.0000	Unknown
21.318	13600675 T		0.00000e+0	0.0000	Unknown
21.350	6881721 T		0.00000e+0	0.0000	Unknown
21.513	3573999 T		0.00000e+0 0.00000e+0	0.0000	Unknown
21.628	16921980 T		0.00000e+0	0.0000	Unknown
21.762	3363612 T		0.00000e+0	0.0000	Unknown
21.822	6040786 T		0.00000e+0	0.0000	Unknown
21.908	2560112 T 4471379 T		0.00000e+0	0.0000	Unknown
21.953	2174985 T		0.00000e+0	0.0000	Unknown
22.023	2174985 T		0.00000e+0	0.0000	Unknown
22.110 22.151	6654274 T		0.00000e+0	0.0000	Unknown
	13344274 T		0.00000e+0	0.0000	Unknown
22.242 22.365	5233445 T		0.00000e+0	0.0000	Unknown
//.363	ವಿಜಿಎ≎್್' 1		After the state of		







ATI I.D. 407346

July 20, 1994

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



Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 07/13/94, 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.

Samples were run by either internal or external surrogate method. The following samples were run by internal surrogate method: 02. 03, 05, 08, 09, 10, and 12.

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:jt

Enclosure



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 407346

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	945 524	NON-AQ	07/11/94	07/14/94	07/16/94	1
11	945625	NON-AQ	07/11/94	07/14/94	ე7/16/94	1
12	945626	NON-AQ	07/11/94	07/14/94	07/16/94	5
PARAME	TER		UNITS	10	11	12
BENZEN	IE		MG/KG	<0.025	0.49	0.30
TOLUEN	IE		MG/KG	<0.025	4.0	3.0
ETHYLE	BENZENE		MG/KG		2.5	1.2
TOTAL XYLENES			MG/KG		36	19
SURROG	SATE:				,	
BROMOI	FLUOROBENZENE (∛)		88	118*	101

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

Split Sample



GENERAL CHEMISTRY RESULTS

CLIENT : EL PASO NATURAL GAS CO. ATI I.D. : 407346

PROJECT # : 24324 DATE RECEIVED : 07/13/94

PROJECT NAME : PIT CLOSURE DATE ANALYZED : 07/15/94

PARAMETER UNITS 01 12
PETROLEUM HYDROCARBONS, IR MG/KG 13000 670

Split Sample # 945626 EPNG Sample

PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Fermington, New Mexico 87401 (605) 326-2262 FAX (505) 326-2388

Logged By

CM CHANCE ۲/ادالا K Padilla Drilled By

Date/Time Started Date/Time Completed

Elevation Borehole Location QC-S32 GWL Depth

8/31/95

BH-1 Borehole # Well # Page

Project Name Project Number

EPNG PITS 14509

Phase

6000 77 San Tuan

Well Logged By Personnel On-Site Contractors On-Site

Project Location

K Padilla, F. Rivera, D. Charli,

Client Personnel On-Site

Drilling Method

4 1/4" ID HSA

PID, CGI Air Monitoring Method

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Ai Units 8Z	Monitor : PPM BH	ing <u>s</u> HS	Drilling Conditions & Blow Counts
F				Backf: 11 +010'						
5										
10										
	ı	15-17	55	Smaletone fixenomed it			0	54	<u>651</u> 774	-1040 ss retusat at 16°
	L .	(J-(C	7.5"	sandstone, transported, H. brown, trackle, thin bedded, strong hydrocarbon ador						-1048
20	2	20-12	55 0°	NA NO recovery.			3	215	41	-i058
25	3	25-27	55°	sandstone, tonegramed, it brown poorly -commended, then builded			717	745 P.	n 19145	
30	4	<i>3</i> 0-32	31/2°	AA			i	10	41/2	- 1106
35				TO @ 321				·		
40										
								<u></u>	<u> </u>	

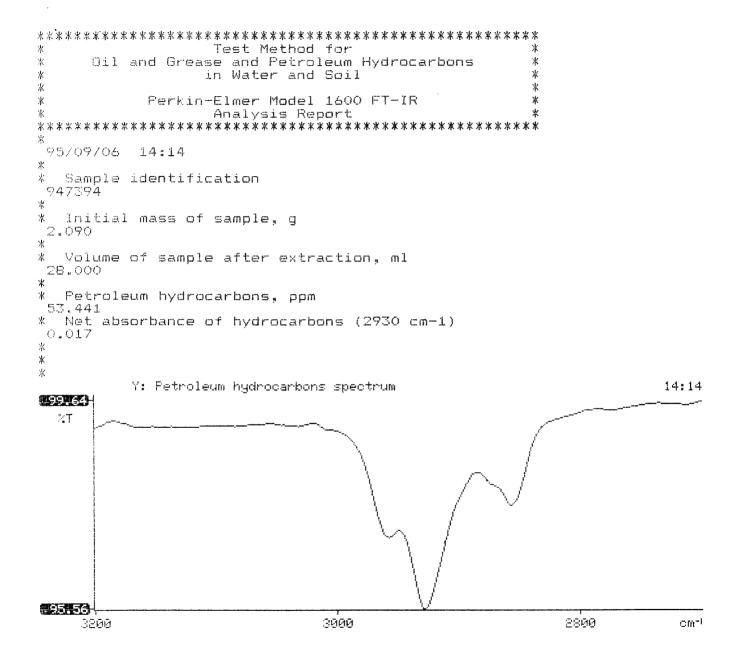
Comments:	PLMI /30-32')	sent to lah	PATEN TP	H). Orilled to	30' anticipated
•••••	a higher head	sace reader		. BH growted	to suctore!
	Not enough valu	ne for QA	samples. Sa	mple bagged and	not before putterns
	into jan		Seologist Signature	Allin I	mos
			-		



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION								
	Field	ID		Lab ID				
SAMPLE NUMBER:	PLMI		947					
MTR CODE SITE NAME:	90564		San Je	ands-	7 Unit	252		
SAMPLE DATE TIME (Hrs):	09-05-99	5	110	<u> </u>				
PROJECT:	Phase III	milling						
DATE OF TPH EXT. ANAL.:	9-6-75		9-4.					
DATE OF BTEX EXT. ANAL.:	9/6/	95	9/10	195				
TYPE DESCRIPTION:	V6		LIGHT BI	POWN SANG	0+CLAY			
Field Remarks:								
	1	RESULTS						
		Tado Valenco	led a recent a	3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		10 San 14		
PARAMETER	RESULT	UNITS		QUALIFI				
10 10 10 10 10 10 10 10 10 10 10 10 10 1	(4) 설 · 변 · 현 · 현		DF	Q	M(g)	V(ml)		
BENZENE	2 0.5	MG/KG						
TOLUENE	2 0.5	MG/KG						
ETHYL BENZENE	4 0.5	MG/KG						
TOTAL XYLENES	< 1.5	MG/KG						
TOTAL BTEX	4 3	MG/KG						
TPH (418.1)	082053.4	MG/KG		Tank 8 St.	2.09	28		
HEADSPACE PID	2	PPM						
PERCENT SOLIDS	93.2	%						
TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 The Surrogate Recovery was at Strate								
DF = Dilution Factor Used								
Dr = Dilution ractor Used				9 11	0: -			
Approved By:		·	Date:	9-11-	7.7			



BTEX SOIL SAMPLE WORKSHEET

File		:	947394	Date Printed	:	9/11/95
Soil Mass	(g)	:	5.00	Multiplier (L/g)	:	0.00100
Extraction vol.	(mL)	:	20	DF (Analytical)	:	200
Shot Volume	(uL)	:	100	DF (Report)	:	0.20000

					Det. Limit
Benzene	(ug/L) :	0.00	Benzene (mg/ł	(g): 0.000	0.500
Toluene	(ug/L) :	0.00	Toluene (mg/l	(g): 0.000	0.500
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene (mg/ł	(g): 0.000	0.500
p & m-xylene	(ug/L) :	0.00	p & m-xylene (mg/	Kg): 0.000	1.000
o-xylene	(ug/L) :	0.00	o-xylene (mg/	Kg): 0.000	0.500
			Total xylenes (mg/l	Kg): 0.000	1.500
			Total BTEX (mg/l	(g): 0.000	

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\090795-1.013 Method : C:\LABQUEST\METHODS\9001.MET

Sample ID : 947394,5.00G,100U Acquired : Sep 10, 1995 19:30:28 Printed : Sep 10, 1995 19:56:50

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.410	0	0.0000
a,a,a TFT	4.947	3125485	90.5075
TOLUENE	6.747	0	0.0000
ETHYLBENZENE	10.513	0	0.0000
M & P XYLENE	10.870	76415	-4.1134
O XYLENE	11.927	0	0.0000
BFB	13.413	52077028	86.9034

C:\LABQUEST\CHROM001\090795-1.013 -- Channel A

