EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

DEC 27 1938

KUTZ FEDERAL GC A #1 Meter/Line ID - 92011



SITE DETAILS

Legals - Twn: 28 Rng: 10 NMOCD Hazard Ranking: 40

Sec: 08

Unit: M

Land Type: 2 - Federal

Operator: AMOCO PRODUCTION COMPANY

Pit Closure Date: 09/26/94

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: 9201 Location: Kutz Federal Gas Com"A" Well No.] Operator #: Operator Name: Amous P/L District: Angel Peak Coordinates: Letter: M Section & Township: 28 Range: 10 Or Longitude Location Drip: Other: Other: Site Assessment Date: Area: Ol Run: H
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) Indian Indian
REMARKS	Remarks: Redline Book-Inside, Vulnerable Zone Topo-Inside Apits. Will close I. Pit dry
ZW2	
22	DIGTHAU

	ORIGINAL PIT LOCATION Original Pit : a) Degrees from North <u>215° Footage from Wellhead 135′</u> b) Length : <u>19′</u> Width : <u>18′</u> Depth : <u>5′</u>
ORIGINAL PIT LOCATION	N 215° Wellhead
ORIG	19 18
KS	Remarks: Pictures @1359 hr
REMARK	
	Completed By: Signature Onto

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 92011 Location: Kutz Federal Gas Com "A" #1 Coordinates: Letter: M. Section 8 Township: 28 Range: 10 Or Latitude Longitude Date Started: 9/26/94 Run: 01 4/
FIELD OBSERVATIONS	Sample Number(s): <u>KD 279</u> Sample Depth: <u>5'</u> Feet Final PID Reading <u>233 pm</u> PID Reading Depth <u>5'</u> Feet Yes No Groundwater Encountered [
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: Pit floor was solid Sandstone So the Excauation was Done. Took PiD Sample, Closed Pit Signature of Specialist: (SP3181) 03/16/84



FIELD SERVICES LABORATORY ANALYTICAL REPORT

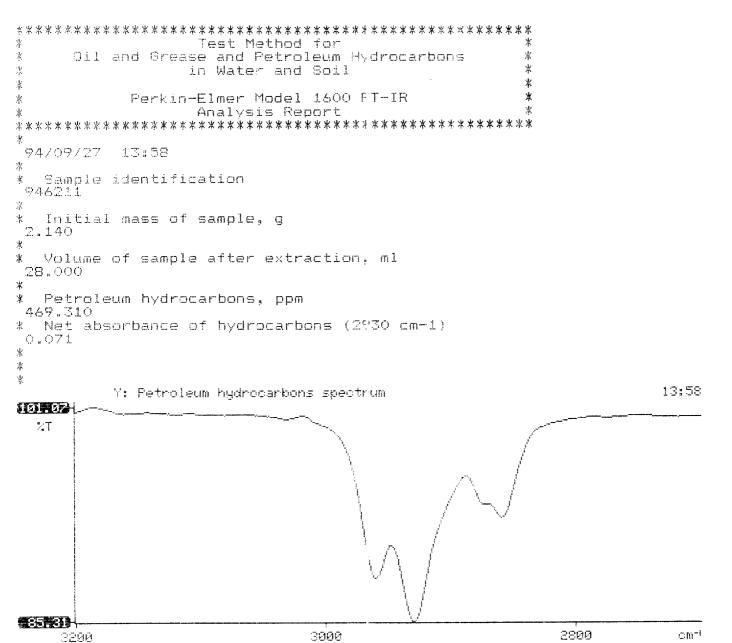
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field	uo.		Lab ID		
SAMPLE NUMBER:	KD 27		946211			
MTR CODE SITE NAME:	9201	[]	N/A			
SAMPLE DATE TIME (Hrs):	9-26-94		16	, oS		
SAMPLED BY:	7-20-1	N/A	A			
DATE OF TPH EXT. ANAL.:	9 - 27 - 9		9-2	7-92		٠
DATE OF BTEX EXT. ANAL.:	9-29-		10 -	- 2 -94		
TYPE DESCRIPTION:	VG		4glit av	ay Sand		
			V	•		
REMARKS:						
		RESULTS				
					<u> </u>	
PARAMETER	RESULT	UNITS		QUALIF		V(ml)
in the first section of the section		· · · · · · · · · · · · · · · · · · · 	DF	<u>a</u>	M(g)	V(IIII)
BENZENE	۵.5	MG/KG	20			
TOLUENE	ı. 3	MG/KG	20			
ETHYL BENZENE	20.5	MG/KG	20			
TOTAL XYLENES	18	MG/KG	20			
TOTAL BTEX	20.3	MG/KG				
TPH (418.1)	469	MG/KG			2.14	28
		PPM				

PERCENT SOLIDS	3,88	%			
	- TPH is by EPA Metho	d 418.1 and BTEX is by EPA			
The Surrogate Recovery was at	72	_% for this sample	All QA/QC wa	s acceptable.	
Narrative:) .				
					
DF = Dilution Factor Used			Date:	10/23/94	
Approved By:				7 7 7	

88.8





ATI I.D. 409425

October 7, 1994

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

Project Name/Number: PIT CLOSURE 24324

John Lambdin Attention:

On 09/28/94, 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

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager





GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 409425

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPI			DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
13	946211	NON-AQ	09/26/94	09/29/94	10/02/94	20
14	946212	NON-A()	09/26/94	09/29/94	10/02/94	20
15	946213	NON-YÖ	09/26/94	09/29/94	10/02/94	1
PARAM	METER		UNITS	13	14	15
BENZE	ENE		MG/KG	<0.5	1.1	<0.025
TOLUE	ENE		MG/KG	1.3	22	<0.025
ETHYI	LBENZENE		MG/KG	<0.5	3.5	<0.025
TOTAI	L XYLENES		MG/KG	18	64	<0.025
SURRO	OGATE:					
BROMO	OFLUOROBENZENE (%	કે)		72	78	94

PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Elevation	
Borehole Location	8 RIO.58 M
GWL Depth	
Logged By Jet	ff W. Kindley
Drilled By 6	. Sudduth
Date/Time Started	08/23/95 1235
Date/Time Completed	08/23/95 13/5

14.	
J.	
13	

Borehole #	BH-1	
≵ BeW		
Page	of ·	

Project Name Project Number Project Location EPNG Pits 14509

Phase

6000.77 92011

√ر (, Jeff W. Kindley

Well Logged By Personnel On-Site

Kutz

Client Personnel On-Site Drilling Method

4 1/4 ID HSA

Air Monitoring Method

Contractors On-Site

PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Unit	Aonitori ts: PPI BH	-	Drilling Conditions & Blow Counts
10	1	18-20	2.0	Sw, GR SANO, Coarse granied, dry, raydanse, no odor Bosing terminatedat 20'					%	1256 100 Binns per

Ca	_	m	•	_	te	-

JWK 4

Geologist Signature



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJEC'T - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK41	947315
MTR CODE SITE NAME:	92011	Kutz Federal Gas Com "A" Well N
SAMPLE DATE TIME (Hrs):	08/23/95	12:56
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	3/24/95	
DATE OF BTEX EXT. ANAL.:	8/25/95	8/29/95
TYPE DESCRIPTION:	16	Light grey sand stand stones
•		7 1 1
Field Remarks:		

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
, Albania .			DF*	Q	M(g)	V(ml)
BENZENE	4.5	MG/KG				
TOLUENE	4.5	MG/KG				
ETHYL BENZENE	4.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	人3	MG/KG				
TPH (418.1)	31.5 3 25	S MG/KG			2.02	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	90.9	%				

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

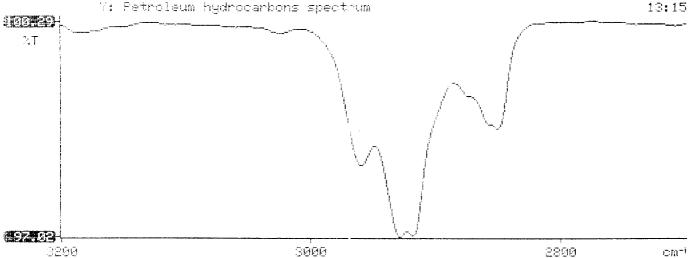
The Surrogate Recovery was at Narrative:	<u>89%</u>	for this sample	All QA/QC was acceptable.

DF = Dilution Factor Used

75

9-5-95

```
Test Method for
紫
    Oil and Grease and Petroleum Hydrocarbons
              in Water and Soil
4
                                           求
\mathbb{Z}
         Perkin-Elmer Model 1600 FT-IR
               Analysis Report
95/08/24 13:15
Sample identification 947315
 Initial mass of sample, g
2,020
 Volume of sample after extraction, ml
28.000
 Petroleum hydrocarbons, ppm
31,464
% Net absorbance of hydrocarbons (2930 cm-1)
0.014
*
        Y: Petroleum hydrocarbons spectrum
```



BTEX SOIL SAMPLE WORKSHEET

File :	947315	Date Printed	:	8/31/95
Soil Mass (g):	4.94	Multiplier (L/g)	:	0.00101
Extraction vol. (mL):	20	DF (Analytical)	:	200
Shot Volume (uL):	100	DF (Report)	:	0.20243

					Det. Limit
Benzene	(ug/L) :	0.00	Benzene (mg/Kg)	: 0.000	0.506
Toluene	(ug/L) :	0.00	Toluene (mg/Kg)	: 0.000	0.506
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene (mg/Kg)	: 0.000	0.506
p & m-xylene	(ug/L) :	0.00	p & m-xylene (mg/Kg)	: 0.000	1.012
o-xylene	(ug/L) :	0.00	o-xylene (mg/Kg)	: 0.000	0.506
			Total xylenes (mg/Kg)	. 0.000	1 518

Total xylenes (mg/Kg): 0.000 Total BTEX (mg/Kg): 0.000

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\082595-1.024 Method : C:\LABQUEST\METHODS\9001.ME⁻⁻

Sample ID : 947315,4.94G,100U Acquired : Aug 30, 1995 01:15:15 Printed : Aug 30, 1995 01:41:35

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.367	0	0.0000
a,a,a TFT	4.877	2612176	87.7624
TOLUENE	6.710	65680	-0.8127
ETHYLBENZENE	10.430	0	0.0000
M & P XYLENE	10.840	0	0.0000
O XYLENE	11.900	0	0.0000
BFB	13.377	39749424	89.4776

C:\LABQUEST\CFIROM001\082595-1.024 -- Channel A

