CK

DEC 2 1 1918

ELLIOTT GAS COM R#1E Meter/Line ID - 93500

RECEIVED

SITE DETAILS

Sec: 34

ONE CON

DIST

Legals - Twn: 30 Rng: 09 NMOCD Hazard Ranking: 10 Unit: C

Land Type: 2 - Federal

Operator: AMOCO PRODUCTION COMPANY

Pit Closure Date: 09/12/94

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: 93500 Location: ELLIOT GAS COM R #18 Operator #: 0203 Operator Name: Amoco P/L District: Bloomfield Coordinates: Letter: C Section 34 Township: 30 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 5.26.94 Area: 10 Run: 43					
	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM (1) State (2) Fee (3) Indian Death to Consol					
	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)					
ASSESSMENT	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)					
SITE ASSE	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points)					
	(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: POINTS					
REMARKS	Remarks: THREE PITS ON LOCATION, WILL CLOSE ANLY ONE. PIT IS DRY.					
'MA	LOCATION IS EAST OF CABALLO CANYON AND NORTH OF CR. 4599. REDUNE AND TOPO CONFIRMED LOCATION INSIDE V.Z.					
RE	DIG & HAGE					
	1 (SP3190) 04/08/94					

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 93500 Location: Elliot GAS Com R # 1E Coordinates: Letter: C Section 34 Township: 30 Range: 9 Or Latitude Longitude Date Started: 9-12-94 Run: 10 43
FIELD OBSERVATIONS	Sample Number(s): $\frac{230}{1944}$ $\frac{9}{48}$ Sample Depth: $\frac{12'}{250}$ Feet Final PID Reading $\frac{270}{250}$ PID Reading Depth $\frac{12'}{250}$ Feet Yes No Groundwater Encountered $\boxed{200}$ Approximate Depth $\boxed{200}$ Feet
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 9-12-99 Pit Closed By: BFT
REMARKS	Remarks: Some Like Markers. Started Remediating to 12' soil Lookins Like Brown with Asmell. At 12' Soil Still the Same Closed Pit. Signature of Specialist: Helly Padle



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

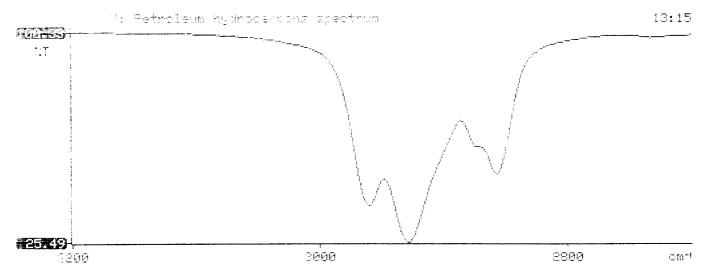
	Field ID	Lab ID
SAMPLE NUMBER:	KP 230	944109
MTR CODE SITE NAME:	93500	N/A
SAMPLE DATE TIME (Hrs):	9-12-94	1352
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	9-15-94	9-15-94
DATE OF BTEX EXT. ANAL.:	9-19-94	9-19-94
TYPE DESCRIPTION:	VL	Brown fine sand

REMARKS:	

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS		RS		
			DF	Q	M(g)	V(ml)	
BENZENE	10.25	MG/KG	10				
TOLUENE	40.25	MG/KG	10				
ETHYL BENZENE	2.5	MG/KG	10				
TOTAL XYLENES	100	MG/KG	, 5				
TOTAL BTEX	103	MG/KG					
TPH (418.1)	4280	MG/KG			2.23	.28	
HEADSPACE PID	27D	PPM		14.75			
PERCENT SOLIDS	94.9	%					

	TPI		418.1 and BTEX is by EPA				
The Surrogate Recovery Narrative:	was at	351	% for this sample	All QA/QC	was accept	able.	
ATI ROSUlts	a Hached	500000	Le Recover	y was	ostside	ATT ATT	20
limits due	to Matrix	inter fo	renc	<u>u</u>			
DF = Dilution Factor Us	ed						
Approved By:	D -			Date:	16/23/	loy	





ATI I.D. 409367

September 22, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 09/16/94, 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





GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 409367

PROJECT #

: 24324

PROJECT NAME : PIT CLOSURE

SAMP	LE # CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
ID. 01	946108	NON-AQ	09/12/94	09/19/94	09/19/94	10
02	946109	NON-AQ	09/12/94	09/19/94	09/19/94	10
03	946110	NON-AQ	09/13/94	09/19/94	09/19/94	1
	METER		UNITS	01	02	03
BENZ			MG/KG	0.50	<0.25	<0.025
TOLU	ENE		MG/KG	61	<0.25	<0.025
	LBENZENE		MG/KG	9.8	2.5	<0.025
TOTAL XYLENES			MG/KG	140	100	<0.025
SURF	ROGATE:					
BROM	NOFLUOROBENZENE (%)			63	351*	96

^{*}OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II DRILL

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Morroe Road

Farmington, New Mexico 87401 (606) 326-2262 FAX (506) 326-2388

CHARCIOCHICO VIC

Elevation Borehole Location T30, R9 GWL Depth Logged By Drilled By Date/Time Started Date/Time Completed \$14.95 Well # Page

50+ GOC

Project Name **EPNG Pits** 14509 Phase Project Number Project Location Elliot Gas Com R#1E

S.Kelly Well Logged By Personnel On-Site M. Donohue, J.O'Ke, Fe Contractors On-Site Client Personnel On-Site

Drilling Method CGI, PID Air Monitoring Method

(Feet) N	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monite Unite: N BZ BH		Drilling Conditions & Blow Counts
		18-20		Backfill to 12. SAND, light brown, fine to med. sand, loose, damp. TOB - ZO.0'		(feet)	8Z 8H	037	1014

Comments:	18'-20' sample (SEK	(56) sent to 1	ah (BTE	EX 4 TPH)_
	BH growted to	surface.			_
		Geologist Signature	1-11	1101	_



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	DEK 56	947173
MTR CODE SITE NAME:	93500	Ellio + Gas Com R # 1E
SAMPLE DATE TIME (Hrs):	08-08-95	10:14
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	2/0/95	8 19 195
DATE OF BTEX EXT. ANAL.:	8/12/95	8/12/95
TYPE DESCRIPTION:	VG	Light brown time Sand
1112 52001111 110111		

Field Remarks: (18-201)

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
r Aroline Lett			DF	Q	M(g)	V(ml)
BENZENE	20.025	MG/KG	(
TOLUENE	20.025	MG/KG	1			
ETHYL BENZENE	L0.025	MG/KG				
TOTAL XYLENES	40.025	MG/KG				
TOTAL BTEX	20.10	MG/KG				
TPH (418.1)	PE8 128 95 23.7	MG/KG			2.03	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	96.9	%				·

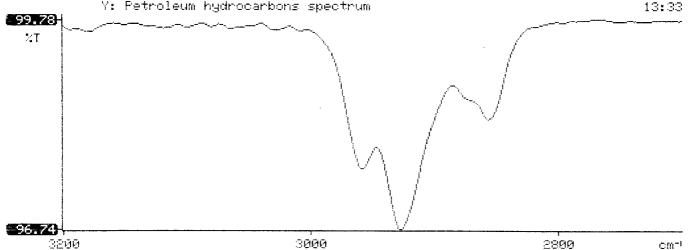
The Surrogate Recovery was at 104 for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: ______ Date: _____ S/26/45

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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
**************************************
95/08/09 13:33
  Sample identification
947173
  Initial mass of sample, g
  Volume of sample after extraction, ml
28.000
  Petroleum hydrocarbons, ppm
23.694
 Net absorbance of hydrocarbons (2930 cm-1)
0.013
         Y: Petroleum hydrocarbons spectrum
99.78
  %T
```





ATI I.D. 508367

August 77, 1995

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

Project Name/Number: PIT CLOSURE/PHASE I, II & III PITS 24324

Attention: John Lambdin

On **08/11/95**, 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.

Kimberly D. McNeill Project Manager

DMANell

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D.

\$2021222

Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508367

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE/PHASE I, II & III

SAMPI		1/3 MD T3/	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
10	947171	NON-AQ	08/07/95	08/12/95	08/12/95	1
11	947172	NON-AQ	08/07/95	08/12/95	08/12/95	1
12	947173	NON-AQ	08/08/95	08/12/95	08/12/95	1
PARAN	METER	· · · · · · · · · · · · · · · · · · ·	UNITS	10	11	12
BENZI	ENE		MG/KG	<0.025	<0.025	<0.025
TOLUI	ENE		MG/KG	<0.025	<0.025	<0.025
ETHYI	LBENZENE		MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES			MG/KG	<0.025	0.029	<0.025
SURRO	OGATE:					
BROMO	OFLUOROBENZENE (%)			111	103	104