DEC 1 1 1998

Fyllocold

HARDIE #5 Meter/Line ID - 75861 DECEIVED

SITE DETAILS

Legals - Twn: 28 Rng: 08 NMOCD Hazard Ranking: 30 Sec: 23

Unit: O (Land Type: 4 - F

OIL CON. DIV.

Operator: CONOCO - MESA OPERATING L

Pit Closure Date: 05/30/95

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

1										
GENERAL	Meter: 7586 Location: HARDIE # 5 Operator #: Operator Name: NASSAU RESOURCE P/L District: BLANCO Coordinates: Letter: O Section 23 Township: 28 Range: 8 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 12.8.94 Area: 13 Run: 62									
	NMOCD Zone: Land Type: BLM (1) (From NMOCD State (2) Maps) Inside (1) Fee (3) Outside (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) (1) 50 Ft to 99 Ft (10 points) (2)									
ASSESSMENT	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									
SITE	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 Maleso Canyol (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Negrest Ephemoral Streams (1)									
REMARK	Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only) (2) > 100' TOTAL HAZARD RANKING SCORE: 30 POINTS Remarks: Redune & Topo Show Location Laside V.Z. Two Pits on Location, the Belones to Nassau. Will Close Ephes Pit.									
RE	DIG & HAIII									

	ORIGINAL PIT LOCATION
7	Original Pit : a) Degrees from North <u>183°</u> Footage from Wellhead <u>S6'</u> b) Length : <u>17'</u> Width : <u>16'</u> Depth : <u>2'</u>
ORIGINAL PIT LOCATION	Weighers 200 200 200 200 200 200 200 200 200 20
	Remarks: Phonos-1405
REMARKS	
	Completed By: 12-8-94 Signature Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 75861 Location: Hardie 45 Coordinates: Letter: D Section 23 Township: 28 Range: 8 Or Latitude Longitude Date Started: 5/30/94 Run: 13 62
FIELD OBSERVATIONS	Sample Number(s): KD441 Sample Depth: 12' Feet Final PID Reading 826 pm PID Reading Depth 12 Feet Yes No Groundwater Encountered Approximate Depth Feet
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Pit Closure Date: 5/30/95 Pit Closed By: Bet
REMARKS	Remarks: Excavated Dit to 12', Took Did Sample Closed Dit. Signature of Specialist: My (SP3191) 03/16/94



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 441	9-14852
MTR CODE SITE NAME:	75861	N/A
SAMPLE DATE TIME (Hrs):	5.30-95	1430
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	10-2-95	1, -2.95
DATE OF BTEX EXT. ANAL.:	6.5-95	6-8-95
TYPE ! DESCRIPTION:	VC	Brown sund and clay

RESULTS

PARAMETER	RESULT	UNITS		QUALIF	IERS	
			DF	Q	M(g)	V(mi)
BENZENE	12	MG/KG	Sp		:	
TOLUENE	220	MG/KG	50		!	
ETHYL BENZENE	26	MG/KG	So			
TOTAL XYLENES	350	MG/KG	50		<u>;</u>	
TOTAL BTEX	608	MG/KG				
TPH (418.1)	3180	MG/KG			192	78
HEADSPACE PID	826	РРМ				
PERCENT SOLIDS	91.2	%				

	- ,,,,	13 57 27 7 1000100	THOU SHE BY ELF	Wethou 6020 **	
The Surrogate Recovery	was at	93	% for this sample	All QA/QC was acceptable.	
Narrative:					
ary Results	athehea)				
				·	

DF = Dilution Factor Used

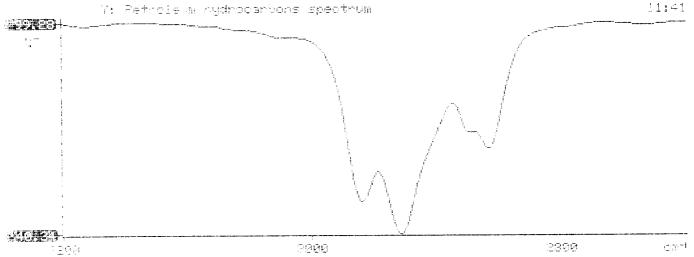
Approved By:

7.8.

ato.

6/8/95

```
Regress to the trace of the section of the section
```





ATI I.D. 506317

June 9, 1995

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 06/03/95, 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.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein,

Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

: BTEX (EPA 8020)

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS ATI I.D.: 506317

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

ID. # CLIENT I.D. MATRIX SAMPLED EXTRACTED ANALYZE 04 946851 NON-AQ 05/30/95 06/05/95 06/07/9 05 946852 NON-AQ 05/30/95 06/05/95 06/08/9 06 946853 NON-AQ 05/31/95 06/05/95 06/07/9 PARAMETER UNITS 04 05 BENZENE MG/KG <0.025 12 TOLUENE MG/KG 0.076 220	
05 946852 NON-AQ 05/30/95 06/05/95 06/08/9 06 946853 NON-AQ 05/31/95 06/05/95 06/07/9 PARAMETER UNITS 04 05 BENZENE MG/KG <0.025	95 1
06 946853 NON-AQ 05/31/95 06/05/95 06/07/9 PARAMETER UNITS 04 05 BENZENE MG/KG <0.025	95 50
BENZENE MG/KG <0.025 12 TOLUENE MG/KG 0.076 220	95 5
TOLUENE MG/KG 0.076 220	06
TOLIOENE TO OBS	0.20
	3.3
ETHYLBENZENE MG/KG <0.025 26	1.3
TOTAL XYLENES MG/KG <0.025 350	16
SURROGATE: BROMOFLUOROBENZENE (%) 95	93 109

BROMOFLUOROBENZENE (%)

PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIKONMENTAL	PHILIP	ENVIRONMENTAL
----------------------	--------	---------------

4000 Monroe Road

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

Elevation

Borehole Location QD - S33- T38- R8

GWL Depth

Logged By CM CHANCE

Drilled By K Padilla

Date/Time Started 11/2 p/45 - 1040

Lift Date/Time Completed 11/2 p/45 - 1040

Project Name	EPNG PITS
Project Number	14509 Phase 6000 77
Project Location	Hardie#5 75861
	•
Well Logged By	CM Chance
Personnel On-Site	K Padilla, F. Rivora, D. Chanles
Contractors On-Site	
Client Personnel On-	Site
Drilling Method	4 1/4" ID HSA

PID, CGI

Air Monitoring Method

Borehole # Well #

			Sample	Corrector Description	uscs	Depth Lithology	Δi,	Monitori		Drilling Conditions
Depth	Sample	Sample	Type &	Sample Description Classification System: USCS	Symbol	Change	Units:		ingi <u>S</u>	& Blow Counts
(Feet)	Number	Interval	Recovery (inches)	Classification System. 0000	Symbo.	(feet)	BZ	ВН	HS	4 5,50, 552,15
0	$\vdash \vdash \vdash$		(II FC) FCC)	Backfill to 121	 	1				
	1			Dacktill 1012.						
	 	[l			. 1		
1 🗀					1					
l [1				1	
5					1					
i			1	1	İ					
 		1			ŧ					
 	}	1	ļ l			1				
I		ĺ			1					
10]	1			İ	
1 ├─			ļ	· ·					ĺ	
 					1				l	
 			ł		l				1097	
一 15	1	10-17	1 8	BIK sandy CLAY, of-Frand, v. Soft, modulatic, ado-			0	8/	1476	1050
	'	., .,		madelastics adu-	1				177	
 					l					
		Ι.		ALL CAMP I ALCOHOLD	1			ا س	1001	1 1.0.
20	12	15-02	۲	BIK SAND, med-coarse sand, v. dons dry, odor	f		78	861	101	1100
		İ		10 - 21 08 0 r					1440	
_	-					1	ļ			
I			Ì	CAMA No Candra of s	1.,		ار	300	44)	
25	7	72-39	4	Gen SAND, med-coarse sand, to of so Dense dry office GryBr modeld CLAY, + - + Fsand, low plase V. Hard, drystr evaporites filling	T 7		5	256	200	-1114
I -				Com/Br modeled CLAY, ++ + Fsand, low plas	k.				705	
 -				V. Hand, de note evaparite Filling	l ′					
1 ⊢	ł			1 ' '	1		ļ			
 	1	30-11	12	1 _A			18	140	129/	-1127
│ ├─ ~~	רן	مرادا	-						34	1,0,
 					1					
 										
-	}			1 CLAY VESSALANDA	1					
 	1	آزہ کدا	5	Gen Sanky Cont, it sand has a					رکد ا	-1139
	/			plastic, it evar. Fillings, Hary	1		19	79	34	
	1		ļ		1 .	ļ				
					,		ļ			
1 <u> </u>		ļ	1	a class of the bacomen		-	l y	19L	ردرا	
40	6	40-40	∤ \$ 4	Bud > 4 MAN LE CIAN AL -L DONG EL CALLEN	4	İ	\ '	10	12/	المروح
	<u> </u>		<u> </u>	V. Oonse, din	<u> </u>		Ь	<u> </u>	<u> </u>	<u> </u>
				Grn sandy CLAY, rtsand, hard, non plastic, trovar. fillings, dry Grg-SAND, trclay of-Fsand, trcement V. Donse, dry TN R40. 5'	<u> </u>		12	289		-1139

Comments: CMC (89 Sent to lab (40-40.5) (STEX, TAH). BHy course To surface

Geologist Signature



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

	SAMPLE	DENTIFICA	HON				
	Field	ID		Lab ID	·		
SAMPLE NUMBER:	CMC 18		94	7805			
MTR CODE SITE NAME:	75861		Hardie#5				
SAMPLE DATE TIME (Hrs):	11-20-9	15	1150	2			
PROJECT:	PhaseI	I Drillin	}	 			
DATE OF TPH EXT. ANAL.:	1/2		/	1			
DATE OF BTEX EXT. ANAL.:	11/21/	95		195			
TYPE DESCRIPTION:	VG		Yey Sand	1 (104			
) 1	•			
Field Remarks:							
	1	RESULTS					
PARAMETER	RESULT	UNITS		QUALIFI	ERS		
PANAIVICTER	1,2002		DF	Q	M(g)	V(ml)	
BENZENE	< 0.5	MG/KG					
TOLUENE	ح o.5	MG/KG					
ETHYL BENZENE	< 0.5	MG/KG					
TOTAL XYLENES	< 1.5	MG/KG					
TOTAL BTEX	< 3	MG/KG					
TPH (418.1)	<10	MG/KG			2.05	138	
HEADSPACE PID	21	PPM					
PERCENT SOLIDS	92.3	%				1. 化物料 (E	
	TPH is by EPA Method				valal a		
he Surrogate Recovery was at larrative:	103%	for this samp	le All QA/QC	was accept	table.		
OF = Dilution Factor Used							
Approved By:	2		Date:	11/2/	8/95		

BTEX SOIL SAMPLE WORKSHEET

File	e :	947805	Date Printed :	11/22/95
Soil Mas	s (g):	4.97	Multiplier (L/g) :	0.00101
Extraction vo	l. (mL) :	10	CAL FACTOR (Analytical):	200
Shot Volum	e (uL) :	50	CAL FACTOR (Report):	0.20121
			DILUTION FACTOR:	1 Det. Limit
Benzene	(ug/L) :	0.00	Benzene (mg/Kg):	0.000 0.503
Toluene	(ug/L) :	0.32	Toluene (mg/Kg):	0.064 0.503
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene (mg/Kg):	0.000 0.503
p & m-xylene	(ug/L) :	0.33	p & m-xylene (mg/Kg):	0.066 1.006
o-xylene	(ug/L) :	0.00	o-xylene (mg/Kg):	0.000 0.503
-			Total xylenes (mg/Kg):	0.066 1.509
			Total BTEX (mg/Kg):	0.131

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

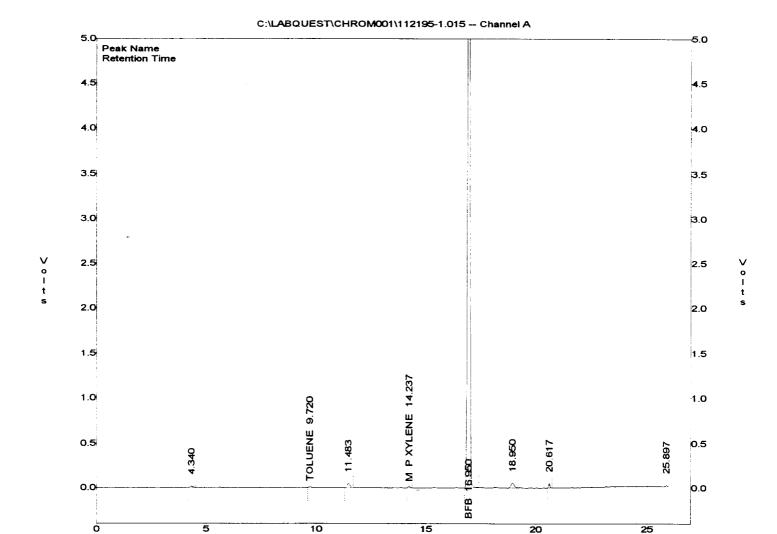
File : C:\LABQUEST\CHROM001\112195-1.015 Method : C:\LABQUEST\METHODS\1-112095.MET

Sample ID : 947805,4.97G,50U Acquired : Nov 22, 1995 00:10:37 Printed : Nov 22, 1995 00:36:57

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	5.603	0	0.0000
TOLUENE	9.720	83837	0.3153
ETHYLBENZENE	13.837	0	0.0000
M & P XYLENE	14.237	84705	0.3278
O XYLENE	15.357	0	0.0000
BFB	16.950	67672608	102.7983



Minutes

```
******************
                 Test Method for
求
     Oil and Grease and Petroleum Hydrocarbons
                                                *
*
                in Water and Soil
                                                *
Ť
          Perkin-Elmer Model 1600 FT-IR
                 Analysis Report
*******************
95/11/27 12:49
  Sample identification
947805
本
  Initial mass of sample, g
2.050
^{*}
*
  Volume of sample after extraction, ml
28.000
  Fetroleum hydrocarbons, ppm
-9.484
 Net absorbance of hydrocarbons (2930 cm-1)
0.009
*
菜
        Y: Petroleum hydrocarbons spectrum
```

