District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505



Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco	Telephone:		29101177
Address: 30-045-	06311	100	25
Facility Or: Marron WN Fed#3, Meter 723 Well Name	67	M OK	PIECE 2002 EN
Location: Unit or Qtr/Qtr Sec_P_Sec_22	T 27 R 8 County 5	San Jua	n
Pit Type: Separator Dehydrator	Other <u>Drip</u>		
Land Type: BLM X, State ,,	Fee Other	ı w	·
Pit Location: Pit dimensions: length 22' (Attach diagram)			
	, other		
	81'	*	
Direction from reference: 95	Degrees X East North	 of	
	West		th
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet 50 feet to 99 feet Greater than 100 feet		(20 points) (10 points) (0 points) <u>20</u>
ground water.)			
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)			(20 points) (0 points) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet 200 feet to 1000 feet Greater than 1000 feet		(20 points) (10 points) (0 points)0_
	RANKING SCORE (TOTAL POI	NTS):	20

Date Remediation Started:	09/26/94 Date completed: 09/26/94
Remediation Method: Ex	Approx. cubic yards
	Insitu Bioremediation Ther Backfill pit without excavation
Remediation Location: O (i.e. landfarmed onsite, name and location of offsite facility)	nsite N/A Offsite N/A
General Description of Ren	medial Action:10 yds. fill
· · · · · · · · · · · · · · · · · · ·	
Ground Water Encountered	d: No X Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location Four walls and center of pit composite
attach sample results and diagram of sample	Sample depth 12'
locations and depths)	Sample Date <u>09/26/94</u> Sample time <u>11:00</u>
	Sample Results
	Benzene(ppm) Not reported
	Total BTEX(ppm) Not reported
	Field headspace(ppm) _207
Ground Water Sample:	TPH _1050 Yes No X (If yes, attach sample results)
Cround water bampie.	105 (II yes, attach sample results)
I hereby certify that the info	ormation above is true and complete to the best of my knowledge and belief.
Date 1/8/03 Signature	Printed Name Scott T. Pape and Title Senior ENV. Scientist



Marron WN Fed #3 Meter/Line ID 72367

SITE DETAILS

Rng: 8W

Legals - Twn: 27N

NMOCD Hazard Ranking: 20

Operator: Conoco

Sec: 22

Land Type: BLM

Pit Closure Date: 9/26/94



RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet (ft) below ground surface (bgs) where a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 207 ppm; laboratory analysis indicated a TPH concentration of 1,050 mg/kg. The headspace analysis and TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 20.

No soil was disposed of offsite. The pit was backfilled with site soil, topped with clean soil from the surrounding berms as well as 10 cubic yards of imported clean fill, and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to 30.5 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 30-30.5 ft bgs. Headspace analysis indicated an organic vapor content of 18 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of <20 mg/kg. The benzene, BTEX and TPH concentrations were below recommended remediation levels for the Hazard Ranking Score.

No Phase III activities were conducted.

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

- The primary source, discharge to the pit, has been removed for over eight years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms in combination with the imported clean fill placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., current direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring to 30 ft bgs.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.



PIT CLOSURE REQUEST

- Benzene, total BTEX, and TPH concentrations in the soil sample collected at the base of the Phase II soil boring at 30 ft bgs were non-detect, indicating that no significant downward constituent migration is occurring.
- Residual hydrocarbons in the soil will most likely degrade by natural attenuation with minimal risk to human health and the environment.

ATTACHMENTS

Field Pit Assessment Form Revised Field Pit Assessment Form Field Pit Remediation/Closure Form Phase II Soil Boring Log Laboratory Analytical Results

REVISED FIELD PIT SITE ASSESSMENT FORM

GENERA	Meter: 72367 Location: Marcan WN Fel # Operator #: Operator Name: Coordinates: Letter: P Section 22 Township: 2 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Site Assessment Date: 4/13/98 Area:	P/L District: 7 Range: 8 e Drip: Other:							
	NMOCD Zone: Land Type:	BLM \boxtimes (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)								
	Greater Than 100 Ft (0 points) (3)								
	Wellhead Protection Area								
SITE ASSESSMEI	Is it less than 1000 ft from wells, springs or other sources extraction?, or; Is it less than 200 ft from a private domestic	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?							
SES	(1) YES (20 points)	(2) NO (0 points)							
AS	Horizontal Distance to Surface Water Body								
日日	Less Than 200 Ft (20 points) (1)								
SI									
	Greater Than 1000 Ft (0 points) (3)								
	Name of Surface Water Body								
	(Surface Water Body: Perennial Rivers, Streams, Creeks, In Ditches, Lakes, Ponds)	(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals,							
	Distance to Nearest Ephemeral Stream [1]	< 100' (Navajo Pits Only)							
	(2)								
	TOTAL HAZARD RANKING SCORE: 20	POINTS							
KS									
	Remarks: Site has been re-assessed, due to initial assess as a Surface Water Body. Site is <50' vert	essment including washes							
2	of Cases Land	· cal tcom center							
-RE	of Cañon Large								

FIELD PIT SITE ASSESSMENT FORM

1	
GENERAL	Meter: 72367 Location: Marcon WN Fel. No. 3 Operator #: D286 Operator Name: Consco P/L District: Ballard Coordinates: Letter: P Section 22 Township: 27 Range: 8 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6/11/94 Area: 07 Run: 32
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Maps) Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (2) Greater Than 1000 Ft (10 points) (3) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (2) Greater Than 1000 Ft (10 points) (3) Name of Surface Water Body Largo 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: 3D POINTS
S	
REMARKS	Remarks: Redline Book-Inile, Vulnerable Zone Topo-Duride
EM	
PK	PUSH-IN



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

	SAMPLE	DENTIFICA	TION				
	Field I	ID .		Lab ID			
SAMPLE NUMBER:	vw 332	ኢ	9462	17			
MTR CODE SITE NAME:	7236			N/A			
SAMPLE DATE TIME (Hrs):	9/26/96		1100)			
SAMPLED BY:		N	/A				
DATE OF TPH EXT. ANAL.:	9/27/9	4	9/27	94			
ATE OF BTEX EXT. ANAL.:	NIA		NIA				
TYPE DESCRIPTION:	VG		Fre, 53	nd 30	ran		
REMARKS:							
	F	RESULTS					
				011011515	DO .		
PARAMETER	RESULT	UNITS	QUALIFIERS DF Q M		M(g)	l(g) V(ml)	
TPH (418.1)	1050	MG/KG			2,02	28	
HEADSPACE PID	207	PPM					
PERCENT SOLIDS	85.5	%					
		TPH is by EPA Meth	od 418.1				
rrative:							
<u> </u>						· · · · · · · · · · · · · · · · · · ·	
= Dilution Factor Used							

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 72367 Location: Marron WN Fool # 3 Coordinates: Letter: P Section 22 Township: Z7 Range: 8 Or Latitude Longitude Longitude Date Started: 92694 Run: 07 32
FIELD OBSERVATIONS	Sample Number(s): 12' Feet Final PID Reading 12' Feet Yes No Groundwater Encountered Approximate Depth Feet Feet Feet Approximate Depth Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: 10 St. Signature of Specialist: Walk Wan (SP3191) 03/16/94





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Natura 6as Compand						`>		CONTRACT LABORATORY P. O. NUMBER
To the state of th	RRS			REQ	UESTED A	VALYSIS		
Pit Closure Project # 24324	TOTAL NUMBER OF CONTAINERS	SAMPLE	18.1	BTEX EPA 8020			#	
Ible Weep 7-26-1	4 10 1 N	8	TPH EPA 418.1	BTE			8	REMARKS
LABID DATE TIME MATRIX SAMPLE NUMB	BER	 	<u>u</u>					
12 5 9-269 935 Soil UW330		VG	X				<u> </u>	
1 4 973	l	VG	X		 		297	
02-14-12-12-12-12-12-12-12-12-12-12-12-12-12-	1	VG	X_{-}				290	
42-17 9-26-94 1100 SO:1 VW332	,	VG	X				299	7
628 9-2694 1145 591 VW 333		10	1				38	9
2-19 7-26 94 1220 SO:1 1/W 334		1/6	10	1-	1-1	-	30	
62 20 5-2684 1315 Soil VW 335		16	1X	┼			30	
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102 21 4-26-84 14 45 Soil VW 339					1		3	
1 12 25 9.2684 1520 Soil VW340		_\V	7 1	_				25
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1/4	لکِ الکِ	RELI	NOWISHED E	Y: (Signal		DATE/TIME 28 RECEIVED BY: (Signature)
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Golden 9-76.90 1809 /	RECEIVED BY: (Signatur	(A) (A)		REL	INQUISHED	BY: (Signa	ture)	DATE/TIME RECEIVED OF LABORATION BY LONG TOWN
RELINCUISHED BY: (Signatule)				-				Kun K
REQUESTED TURNAROUND TIME:	SAMPLE RECEIPT REM	IARKS		L			RESULTS	FIELD SERVICES LABORATORY
ROUTINE ORUSH						,	_	EL PASO NATURAL GAS COMPANY P. O. BOX 4990
CARRIER CO.							-	FARMINGTON, NEW MEXICO 87499 FAX: 505-599-2261
SLL NO.:	CHARGE CODE						505-599	9-2144 FM-08-0565A (Rev. 0

RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

00 Monroe Road mington, New Mexico 87401 05) 326-2262 FAX (505) 326-2388 Borehole # BH- 1
Well # NA
Page 1 of _____

Project Number 19643

Phase 1001.77

Project Name EPFS PITS >10

Project Location Marron WW F. #3 72367

Elevation
Borehole Location LTR: PS: 22T: 27 R:8

GWL Depth
Drilled By
Well Logged By
Date Started
Date Completed

Elevation

LTR: PS: 22T: 27 R:8

K. PADILLA

C. CHANCE

L / 24 / 4 ×

Drilling Method 4 1/4 ID HSA Air Monitoring Method PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)		r Monito Jnits: P BH	-	Drilling Conditions & Blow Counts
		·								BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5 										•
10				Excavation sample Collected @ 12'						1
15 15	!	12-16	6	Grysilty SAND, F-med San v dense, dry	0,		<i>\$</i>	10	292 463	-1252hn 50Bc/6"
20 20	2	ea6-v	: 6	Boweathored SANDSTONE, Fi-med sand, mod cemented,			0	89	314 407	-1307kn 508c/6"
25 25	3	ويلايم	-6	It br clayey SAND, vF-Fsand, v danse, dry			0	65	8 29	-1318 hr 508c/611
30	4	3Þ dQ_	- 6	AA TOB 30.5'	,		ō	18	35 18	-1212- Sampla
35						·				
40										

omments:

Pit was backfilled w/o excavation. CMC 399 (30 -30.5) sent to las for BTEX TPH. No GW encountered BH growted to surface.

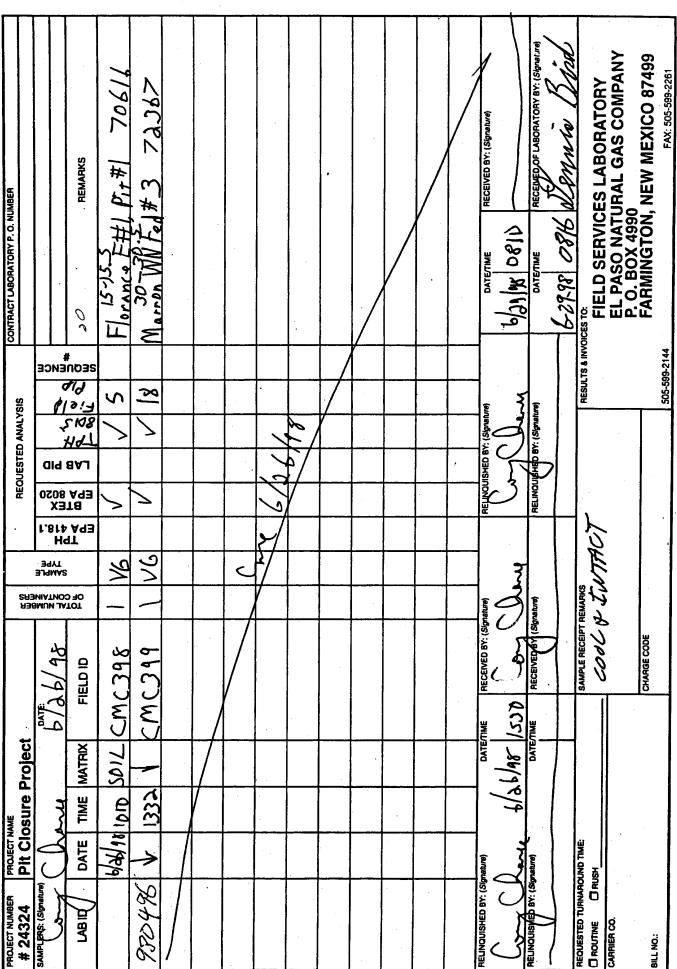
Geologist Signature

Coy Clary



DY RECORD 7-24-91 And. CHAIN OF CU

chu. 734.50





FIELD SERVICES LABORATORY **ANALYTICAL REPORT** PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

·	Field ID	Lab ID
SAMPLE NUMBER:	CMC399	980496
MTR CODE SITE NAME:	72367	Marron WN Fed #3
SAMPLE DATE TIME (Hrs):	6/26/98	1332
PROJECT:	Phase	e II Drilling
DATE OF TPH EXT. ANAL.:	7/7/98	7/8/98
DATE OF BTEX EXT. ANAL.:	7/1/98	7/6/98
TYPE DESCRIPTION:	VG	SOIL

Field Remarks: 30-30.5'

RESULTS

PARAMETER	RESULT	UNITS		OVALIFIE	jg .	
			DF		Min	Mini
BENZENE	<0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (MOD.8015)	<20	MG/KG			Hannestz-President Control	
HEADSPACE PID	18	PPM				
PERCENT SOLIDS	91.6	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --94.4 % for this sample All QA/QC was acceptable.

etive:					
	 	 		₩.	
DF = Dilution Factor Used	 				
			/ /.		

The Surrogate Recovery was at

John Habah

GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

PROJECT #

: (none)

PROJECT NAME

: PHASE II DRILLING

	- 17 HTTL						
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980495		NON-AQ	6/26/98	7/7/98	7/8/98	1
02	980496		NON-AQ	6/26/98	7/7/98	7/8/98	1
PARAMET	TER	DET. LIMIT	UN	VITS	01	02	
FUEL HY	DROCARBONS, C6-C10	10	MG	S/KG	< 10	< 10	
FUEL HYD	DROCARBONS, C10-C22	5.0	MG	S/KG	< 5.0	< 5.0	
FUEL HYD	PROCARBONS, C22-C36	5.0	MG	S/KG	< 5.0	< 5.0	
CALCULA	TED SUM:						

SURROGATE: TERPHENYL (%) URROGATE LIMITS

(66 - 151)

93

92

AEN I.D.: 807306

CHEMIST NOTES:

N/A

PROJECT MANAGER:

America Environmental Network (NM), Inc.

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				KRELINGUISHED	Signature:		Marlon Hower	Company:		Signature:	Printed Name:	Сотралу:) 344-3777 • Fax (505)
				RIZATIONISTREDURBED FOR BUSHERBUTECTION (KREUNOUISHED BY	(NORMAL)	OTHER /							Pan American Freeway, NE • Albuquerque, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413
				ATIONNS REQUIRED	□48hr □72hr □1 WEEK	ED: [] NM [] SDWA	O. N.	FEE O	200	່			merican Freeway, NE • Albu
				ZIBOHUNY BOIH	(RUSH) []24hr []48hr	CERTIFICATION REQUIRED: [] NM	METHANOL PRESERVATION []	COMMENTS: FIXED FEE	Samole Temo: 12°C	Blue ICE: 8°C			k (NM), Inc. • 2709-D Pan A
				PROJECT INFORMATION	PROJ. NO.:	PROJ. NAME: PLASE IL Drilling	P.O. NO.:	SHIPPED VIA: Fed EX	A STATE OF THE STA		RESERVED INTROCT 4 1/ USS		1/5/98 AEN Inc.: American Environmental Network (NM), Inc. • 2709-D
'\7	PLEASE FILL THIS FORM IN COMPLETELY.												

BTEX SOIL SAMPLE WORKSHEET

File		:	980496	Date Printed :	7/16/98
Soil Mass	(g)	:	5.18	Multiplier (L/g) :	0.00097
Extraction vol.			10	CAL FACTOR (Analytical):	200
Shot Volume	(uL)	:	50 °	CAL FACTOR (Report):	0.19305

		DILUTION	FACTOR:	1	Det. Limit
Benzene	(ug/L) : <0.5	Benzene	(mg/Kg):	#VALUE!	0.483
	(ug/L) : < 0.5	Toluene	(mg/Kg):	#VALUE!	0.483
Ethylbenzene	(ug/L) : <0.5	Ethylbenzene	(mg/Kg):	#VALUE!	0.483
p & m-xylene	(ug/L): <1.0	p & m-xylene	(mg/Kg):	#VALUE!	0.965
o-xylene	(ug/L): < 0.5	o-xylene	(mg/Kg):	#VALUE!	0.483
		Total xylenes	(mg/Kg):	#VALUE!	1.448
		Total BTEX	(mg/Kg):	#VALUE!	