EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE



NYE Federal Com No. 2 Meter/Line ID – 72865

SITE DETAILS

Legals - Twn: 29N NMOCD Hazard Ranking: 20

Operator: Meridian

Rng: 10W

Sec: 8 Unit: G

Land Type: BLM

Pit Closure Date: 10/10/95

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 on October 10, 1995, to twelve feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. Groundwater was not encountered in the test pit. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 337 ppm; laboratory analysis indicated a TPH concentration of 5530 mg/kg. TPH was above required remediation levels for the Hazard Ranking Score. This site was re-assessed on April 13, 1998, because the initial assessment incorrectly included washes as a surface water body. There was no change in the Hazard Ranking Score from this revised assessment.

On April 29, 1998, a Phase II drill borehole was conducted to a depth of 16 feet below ground surface, and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the borehole. Headspace analysis indicated an organic vapor content of 8 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3.0 mg/kg, and a TPH concentration of <20 mg/kg.

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

- The primary source, discharge to the pit, has been removed for almost five years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavations or borehole.
- Groundwater is estimated to be greater than 100 feet below ground surface.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene, total BTEX, and TPH were below required remediation levels for the Hazard Ranking Score.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

ATTACHMENT

Field Pit Assessment Form

Revised Field Pit Site Assessment Form

REVISEDFIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 72865 Location: NYE Felical Con#2 Operator #: Operator Name: P/L District: Coordinates: Letter: Section Township: 29 Range: 10 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 4/13/98 Area: Run:					
	NMOCD Zone: Land Type: BLM (1)					
I	(From NMOCD State (2)					
	Maps) Inside \square (1) Fee \square (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)					
Ļ	Wellhead Protection Area					
SITE ASSESSMENT	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?					
SS						
SSE	· ·					
A	Horizontal Distance to Surface Water Body Less Than 200 Et (20 points) (1)					
TE	Less Than 200 I (20 points)					
SI	200 Ft to 1000 Ft (10 points) (2) Greater Than 1000 Ft (0 points) (3)					
	Name of Surface Water Body					
	(Surface Water Body: Perennial Rivers, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)					
	Distance to Nearest Ephemeral Stream (1) < 100' (Navajo Pits Only)					
	Distance to recarest Ephemeral Section (2) $> 100^{\circ}$					
1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					
1.5	TOTAL HAZING RUMAN COURSE					
REMALIS	Remarks: Site has been re-assessed, due to initial assessment including washes					
A.	as a Surface Water Body. Site is <50' vertical from center of					
EM	Potter Canyon.					
N	(assess) 12/16/97					

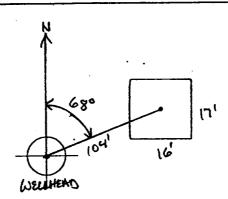
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 72865 Location: NYE FEBERAL COM #2 Operator #: 1987 Operator Name: MERIDIANP/L District: BLOOMFIELD Coordinates: Letter: G Section & Township: 29 Range: 10 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 9.26.95 Area: 10 Run: 12					
,	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)					
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 ASS	Horizontal Distance to Surface Water Body 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 Poter 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'					
<u>.</u>	TOTAL HAZARD RANKING SCORE: 20 POINTS					
REMAF.	Remarks: REDLINE SHOWS INSIDE BUT TOPO SHOWS LOCATION OCHEIDE V.Z. THERE ARE TWO PITS ON THIS LOCATION. THE UNUSED DEHY PIT BELONGS TO FPUB. THE OTHER PIT BELONGS TO THE OFERATOR. WILL CLOSSE EPNIG'S PIT:					

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 68° Footage from Wellhead 104'

b) Length : ______ Width : ______ Depth : ______ 2'__



Remarks	:
Dinades	

PHOTO'S-

Completed By:

Signature

9.26.95

- Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 72865 Location: NYE FedeRAL com#2 Coordinates: Letter: 6 Section 8 Township: 29 Range: 10 Or Latitude Longitude Date Started: 10-10-95 Run: 10 12
ELD OBSERVATIONS	Sample Number(s): AK 485 Sample Depth: Feet Final PID Reading Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation
MARKS	Remarks: Arrived Dug sanfle Hole Soil Black with Strong Hillrococood of or Signature of Specialist: Morgan Zieerion (SP3191) 03/16/94

CHAIN OF CUSTOL, RECORD

0

Page___

Tool



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	SHIVIFLE	DENTIFICA				
	Field II	D		Lab ID		
SAMPLE NUMBER:	MK485		94-	1616		
TR CODE SITE NAME:	72865		NyeFede	ral N/A- Co 945	m. #2	
PLE DATE TIME (Hrs):	10-10-95		0	745		
Project SAMPLED BY:	PhaseI		/A-			
OF TPH EXT. ANAL.:	10/11/	95				
F BTEX EXT. ANAL.:	•	· · · · · · · · · · · · · · · · · · ·	1.1 -	kg	5 101 -4	°,∞
TYPE DESCRIPTION:	VG	- 	ught fre	45000 B	die Stant	ر
REMARKS: _	R	ESULTS				
				un sich i un sten		
PARAMETER	RESULT	UNITS		QUALIF		V(ml)
	5520 84		DF	Q	M(g)	
TPH (418.1)	5530 RIG	MG/KG			1.01	28
EADSPACE PID	337	PPM				
	86.5	%				
RCENT SOLIDS		- TPH is by EPA Meth	od 418.1			
: ution Factor Used						
					-9,	

RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

Date Completed

1000 Monroe Road armington, New Mexico 87401 (505) 326-2262 FAX (505) 326-2388

Borehol	e#	вн-	1	
Well#		N	9	
Page	1	of	\overline{I}	

 Project Number
 19643
 Phase
 1001.77

 Project Name
 EPFS PITS > 10

Project Location NYE Feberal Com#2 72865

Elevation

Borehole Location
GWL Depth

Drilled By

Well Logged By

Date Started

LTR: C S: 8 T: 29 R:10

K. PADILLA

C. CHANCE

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

			Sample			Depth				
Depth	Sample Sample Type & Sample Description		USCS Symbol	Lithology Change	Air Monitoring Units: PPM		_	Drilling Conditions & Blow Counts		
(Feet)	Number	Interval	Recovery (inches)	Classification System: USCS	Symbol	(feet)	BZ	niks: PP BH	S/HS	& Blow Counts
E	_		(Inches)			(rodi)			9	BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
	J	s-6	4	L+ bn silty SAND, med-coarse sand, v dense, dry			0	U	2/6	-1506 ha
10	ک	10-11	6	Drgry silty SAND med-coarse sand rdense dry interbedded w/silty CLAY (BR) Sea-			٥	٥	7 /2	-1506 ha -1512ha -1518ha
15))S-16	4	Lybr silty SAND, med-coose, v dense Riy					J.	-1518 hs
20				. (2812						
25										
30										
35										
40										

Comments: Pit was initially backfilled w/o excavation. The pit was 2 deep Had to deill on N. Sdap of pit dwo to utilities. Sample collected from [5-16' CMC 388 & sent to lab for BTEX, TPH. BH grapted to surface Geologist Signature



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID	
SAMPLE NUMBER:	CMC388	980427	
MTR CODE SITE NAME:	72865	Nye Federal Com #2	
SAMPLE DATE TIME (Hrs):	6/1/98	1518	
PROJECT:	Phase II Drilling		
	6/15/98	6/17/98	
DATE OF TPH EXT. ANAL.:		6/8/98	
DATE OF BTEX EXT. ANAL.:	6/8/98		
TYPE DESCRIPTION:	N/A	\$OIL	

Field Remarks: 15-16'

RESULTS

PARAMETER	RESULT UNITS					
PARAMETER	11-00-1		THOSE!	Q	M(g)	M(m)
BENZENE	< 0.5	MG/KG				
TOLUENE	<0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG	ļ			
TOTAL BTEX	<3	MG/KG				
TPH (MOD.8015)	<20	MG/KG				
HEADSPACE PID	8	PPM				
PERCENT SOLIDS	91.5	%				

TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020							
The Surrogate Recovery was at attemption ative:	84.5	% for this sample	All QA/QC was acceptable.				

			-
DF = Dilution Fa	ctor Used	,	
Approved Bv:	Vola Terdi	Date: 6/33/98	

American Environmental Network, Inc.

AEN I.D.

806328

June 19, 1998

EL PASO FIELD SERVICES 770 WEST NAVAJO

FARMINGTON.

NM

87401

Project Name

PHASE II DRILLING

Project Number

(none)

Attention:

JOHN LAMBDIN

On 6/9/98 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze **non-aq** 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

MR: mt

Enclosure

H. Mitchell Rubenstein, Ph. D.

General Manager

American Environmental Network, Inc.

CLIENT	: EL PASO FIELD SERVICES	AEN I.D.	: 806328
PROJECT#	: (none)	DATE RECEIVED	: 6/9/98
PROJECT NAME	: PHASE II DRILLING	REPORT DATE	: 6/19/98
AEN			DATE
ID. #	CLIENT DESCRIPTION	MATRIX	COLLECTED
01	980427	NON-AQ	6/1/98
02	980428	NON-AQ	6/2/98
03	980457	NON-AQ	6/4/98
04	980458	NON-AQ	6/4/98
05	980459	NON-AQ	6/4/98

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

AEN I.D.: 806328

PROJECT#

: (none)

PROJECT NAME

: PHASE II DRILLING

FROSECT	14/3/AIT						
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980427		NON-AQ	6/1/98	6/15/98	6/17/98	1
02	980428		NON-AQ	6/2/98	6/15/98	6/18/98	1
03	980457		NON-AQ	6/4/98	6/15/98	6/18/98	1
PARAMET		DET. LIMIT	UN	IITS	01	02	03
	PROCARBONS, C6-C10	10	MG	S/KG	< 10	< 10	< 10
	ROCARBONS, C10-C22	5.0	MG	S/KG	< 5.0	< 5.0	< 5.0
	ROCARBONS, C22-C36	5.0	MG	S/KG	< 5.0	< 5.0	< 5.0
	TED SUM:						
au paga	ATE.						
SURROGA					108	105	96
O-TERPHI	, ,	(66 - 151)					
SURROGA	ATE LIMITS	(00-101)					

CHEMIST NOTES:

na..... arromo, 3:40 DM

N/A

GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

AEN I.D.: 806328

PROJECT#

: (none)

PROJECT NAME

: PHASE II DRILLING

SAMPLE				DATE	DATE	DATE	DIL.
ID.#	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
04	980458		NON-AQ	6/4/98	6/15/98	6/18/98	1
05	980459		NON-AQ	6/4/98	6/15/98	6/18/98	1
PARAME	TER	DET. LIMIT	UN	ITS	04	05	
FUEL HY	DROCARBONS, C6-C10	10	MG	/KG	< 10	< 10	
FUEL HY	DROCARBONS, C10-C22	5.0	MG	/KG	< 5.0	< 5.0	
FUEL HY	DROCARBONS, C22-C36	5.0	MG	/KG	< 5.0	< 5.0	
CALCUL	ATED SUM:						
SUKROG	SATE:						
O-TERPH	HENYL (%)				104	101	
SURROG	SATE LIMITS	(66 - 151)					

CHEMIST NOTES:

N/A

FILE. GOODAG VI D. GA4E NA

PLEASE FILL THIS FORM IN COMPLETELY. PROJECT MANAGER: John 5 SHIPPED VIA: PO NO PROJ. NAME: Phase IL Drilling PROJ. NO.: BILL TO: FAX: PHONE: ADDRESS: COMPANY: COMPANY: **ADDRESS** PROVECT V Inc.: American Environmental Network (NM), Inc. • 2709-D Pan American Freeway, NE • Albi 980458 724086 980428 720 FARMINGTON, NM 7 PASO A DOVA 599-226 599-2145 194/98 86/4/9 Field Services NAVAIO LAM bdin CERTIFICATION REQUIRED: COMMENTS: METHANOL PRESERVATION (RUSH) ☐ 24hr 0958 1040 15/8 126 8740 FIXED FEE ã V R. ☐ 48hr 6 □ 72hr □ NM ☐1 WEEK Petroleum Hydrocarbons (418.1) TRPH SDWA (MOD.8015) Diesel/Direct Inject (M8015) Gas/Purge & Trap 8021 (BTEX)/8015 (Gasoline) OTHER ие, New Mexico 87107 • (505) 344-3777 • Fax (505) 344-4413 8021 (BTEX) ☐ MTBE ☐ TMB ☐ PCE 8021 (TCL) 8021 (EDX) (NORMAL) 8021 (HALO) 8021 (CUST) 504.1 EDB □ / DBCP □ Company: EPFS Company: Signature: Printed Name 8260 (TCL) Volatile Organics 8260 (Full) Volatile Organics 8260 (CUST) Volatile Organics 8260 (Landfill) Volatile Organics Date Pesticides /PCB (608/8081) Herbicides (615/8151) 000 Base/Neutral/Acid Compounds GC/MS (625/8270) Polynuclear Aromatics (610/8310) General Chemistry: DISTRIBUTION: W SECUNQUISHED BY Signature Printed Name Company Priority Pollutant Metals (13)

Date

2 1

AEN, Canary - Originato

Target Analyte List Metals (23)

RCRA Metals by TCLP (Method 1311)

RCRA Metals (8)

AUDITER DE PORTE

Metals:

American Environmental Network (NM), Inc.

To:

Albuquerque Office: 2709-D Pan American Fwy., NE Albuquerque, NM 87107 (505) 344-3777

Remit To: American Environmental Network (N.M.), Inc. P.O. Box 5676 Boston, MA 02206

American Environmental Network, Inc.

El Paso Field Service Co. Bill

770 West Navajo

Farmington, NM 87401

Client #: 850-020

980427 - MC#72865 980428- mc# 4DZZ5 980457- MC# # 75/97

Invoice Date 77811 6/19/98

980458 - Wc# 95258 Project Name: Phase II Drilling 980459 - MC # 70616

Original

BALANCE DUE:

238.08

Project PO Number Terms AEN ALB-810 Net 30

Quantity	Description	Rate	Amount	
5	EPA Method 8015 Diesel (Dire		45.0	i
	APPROVED FOR PAYMENT DATE CHARGE SIGNATURE		A BOUNTERS HAS BEEN ON THE PARTY OF THE PART	SPER - FEEE STATE OF THE SERVICE OF
			5.0	1259 13 0
	NM Gross Receipts Tax		5.8	125% 13.0
Accessic Authoriz	on #: 806328 ed By: John Lambdin		TO	TAL: 238.0

BTEX SOIL SAMPLE WORKSHEET

File		:	980427	Date Printed :		
Soil Mass	(g)	:	5.00	Multiplier (L/g) :		
Extraction vol.	(mL)	:	10	CAL FACTOR (Analytical):	200	
Shot Volume	(uL)	:	50	CAL FACTOR (Report):	0.20000	1
				DILUTION FACTOR:	1	Det. I

Limit Benzene (mg/Kg): #VALUE! 0.500 Benzene (ug/L): <0.5 0.500 Toluene (mg/Kg): #VALUE! Toluene (ug/L): <0.5 0.500 Ethylbenzene (mg/Kg): #VALUE! Ethylbenzene (ug/L): <0.5 p & m-xylene (mg/Kg): #VALUE! 1.000 **p & m-xylene** (ug/L) : <1.0 o-xylene (mg/Kg): #VALUE! 0.500 (ug/L) : <0.5o-xylene Total xylenes (mg/Kg): #VALUE! 1.500

Total BTEX (mg/Kg): #VALUE!

	4 ROJECT		Note	book No	
980427 2.63-11.62= 8.99 (10.86 8.23 91.5% 980427 do 2.63-11.33= 8.70 10.63 8.00 92.0 980428 2.64-10.93= 8.29 10.45 7.81 94.2 980457 2.64-11.56= 8.92 10.82 8.18 91.7mh 980458 2.65-11.16= 8.51 10.68 8.043 94.5 94.3 980459 2.65-11.44= 8.79 10.74 8.09 92.0	5 Ample	PAN WT - SAM	ole we lant Dry	, Pan wT	% Solids
	980427 dy 980428 980457 980458	2.63 - 11.33 = 2.64 - 10.93 = 2.64 · 11.56 = 2.65 - 11.16 =	8.70 10.63 8.29 10.45 8.92 10.82 8.51 10.68	8.00 7.81 8.18 8.043	92.0 94.2 91.7mh 94.5 94.3

Date

Signed

Date



Phase I Drilling and of Custody RECORD

DO 6.75-80 And.

BILL NO.:	REQUESTED TURNAROUND TIME: ROUTINE PUSH CARRIER CO.		E/TIME	RELINQUISHED BY: (Signature) DATE/TIME RECE								980 427 6/1/98 1518 5011 CMC 388	LAB ID DATE TIME MATRIX FIELD ID	alure DATE: /	# 24324 Pit Closure Project
CHARGE CODE	SAMPLE RECEIPT REMARKS (CL) 4 F-VTA-(RECEIVED (Signature)	RECEIVED BY: (Signature)		1111						_		AL NUME CONTAIN	BER ERS
	'		\$	}				/				16		SAMPLE TYPE	
	ahb		RELI				/	\frac{1}{2}				<	<u> </u>	PH 418.1 EX 8020	20
			RELINQUISHED BY: (Signature)	RELINQUISHED BY: (Signatu			0						LAE	PID	REQUESTED ANALYSIS
			BY: (Signatu	av: (Signatu								<	TPH 8DI		D ANALYS
505-599-2144	RESULTS		78)		 		P				!	∞	PID SEQU		
-2144	RESULTS & INVOICES TO	l l				/						<u> </u>		IENCE #	
FAX: 599-2261	FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990	s/48 6747	DATE/TIME RECEIVED OF LABORATORY BY: (Signal Ire)	PATE/TIME RECEIVED BY: (Signature)								NE Fileral Canta 72865 5-16	REMARKS		CONTRACT LABORATORY P. O. NUMBER