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

		18	9 10 17 70
Operator: Conoco	Telephone:	Qu'Pic	
Address: 30-645-0	6276	Qu' CC	CENTRO STILL
Facility Or: Marron WN Fed #4, Meter 72 Well Name	2369	Ello	20247 3
Location: Unit or Qtr/Qtr Sec_D Sec_2	27 T 27 R 8 County	San Jua	n
Pit Type: Separator Dehydrator	Other <u>Drip</u>		
Land Type: BLMX, State	, Fee Other	· 	
Pit Location: Pit dimensions: length 23' (Attach diagram) Reference: wellhead X	, width _22', depth _2',, other		
rootage from reference:	59'		
Direction from reference:2	253 Degrees X East Nort		
		of t Sout	•
			<u> </u>
Depth To Ground Water (Vertical distance from	Less than 50 feet		(20 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	·	(20 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water.) Wellhead Protection Area:	50 feet to 99 feet		(20 points) (10 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water.)	50 feet to 99 feet	Yes	(20 points) (10 points) (0 points) _10_
(Vertical distance from contaminants to seasonal high water elevation of 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.) Distance To Surface Water:	50 feet to 99 feet Greater than 100 feet Less than 200 feet	Yes	(20 points) (10 points) (0 points)10 (20 points) (0 points)0
(Vertical distance from contaminants to seasonal high water elevation of 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.)	50 feet to 99 feet Greater than 100 feet	Yes	(20 points) (10 points) (0 points)10 (20 points) (0 points)

Date Remediation Started:	09/26/94 Date completed: 09/26/94
Remediation Method: Exca	vation Approx. cubic yards
	Insitu Bioremediation r _ Backfill pit without excavation
Remediation Location: Ons (i.e. landfarmed onsite, name and location of offsite facility)	ite N/A Offsite N/A
General Description of Reme	dial Action: 8' sandstone, 10 yds. fill
Ground Water Encountered:	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 depth8'
locations and depths)	Sample Date09/26/94 Sample time12:30
	Sample Results
	Benzene(ppm) Not reported
	Total BTEX(ppm) Not reported
	Field headspace(ppm) 216
	TPH <u>1960</u>
Ground Water Sample:	Yes NoX (If yes, attach sample results)
I hereby certify that the inform	nation above is true and complete to the best of my knowledge and belief.
Date 1/8/03 Signature Scot T.	Printed Name Scott T. Pope and Title Senior ENV. Scientist



Marron WN Fed #4 Meter/Line ID 72369

SITE DETAILS

Legals - Twn: 27N

NMOCD Hazard Ranking: 10

Operator: Conoco

Sec: 27

Rng: 8W

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 8 feet (ft) below ground surface (bgs) where sandstone was encountered and 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 216 ppm; laboratory analysis indicated a TPH concentration of 1,960 mg/kg. The headspace analysis and TPH measurement exceeded recommended remediation levels for the Hazard Ranking Score of 10.

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 refusal at 26 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 25-26 ft bgs. Headspace analysis indicated an organic vapor content of 109 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.
- Bedrock was encountered at 8 feet bgs in the excavation and 26 feet bgs in the soil boring making further excavation impractical.
- 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 at 26 ft bgs; local geologic features indicate the depth to groundwater is greater than 50 ft bgs.



PIT CLOSURE REQUEST

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Benzene, total BTEX, and TPH concentrations in the soil sample collected at the base of the Phase II soil boring at 25 ft bgs were non-detect, indicating that no significant downward constituent migration is occurring.
- Residual hydrocarbons in the soil will 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

REVISEDFIELD PIT SITE ASSESSMENT FORM

GENERA	Meter: 7_236 9 Location: Macro WN Fell # 4 Operator #: Operator Name: P/L District: Coordinates: Letter: D Section ≥7 Township: ≥7 Range: 8 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 4 //3/98
	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM State (2) Fee (3) Indian
	Depth to Groundwater Less Than 50 Feet (20 points) 50 Ft to 99 Ft (10 points) Greater Than 100 Ft (0 points) (1) (2) (3)
ASSESSME	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?
SSE	(1) YES (20 points) (2) NO (0 points)
A 5	Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (1)
SITE	Less Than 200 Ft (20 points) (1) 200 Ft to 1000 Ft (10 points) (2)
S	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)
	(2) > 100'
	TOTAL HAZARD RANKING SCORE: POINTS
KS	Remarks: Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. Site has been re-assessed, due to initial assessment including washes
REI	Center of Onofre Jacquez Canges

assess) 12/16/97

FIELD PIT SITE ASSESSMENT FORM

T	
GENERAL	Meter: 72369 Location: Marron WN Fed. No 4 Operator #: 0286 Operator Name: Conoco P/L District: Ballarl
Z	Coordinates: Letter: D Section 27 Township: 27 Range: 8
GE	Ur Latitude ongitude
	Pit Type: Dehydrator Location Drip: V Line Drip:
	Site Assessment Date: 6/11/94 Area: 07 Run: 32
	NMOCD Zone:
ł	(From NMOCD Land Type: BLM [X] (1)
	Mone) Incide (2)
	Outside (1) Fee (3)
	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)
T	Wellhead Protection Area:
EN	Is it less than 1000 ft from wells springs or other saves
SM	I most water extractions. Or , is it less than 300 st t
SES	domestic water source? (1) YES (20 points) (2) NO (0 points)
ASSESSMENT	Horizontal Distance to Surface Water Body
লৈ	Less Inan 200 Ft (20 points) (1)
SITE	200 Ft to 1000 Ft (10 points) 🔀 (2)
-	Greater Than 1000 Ft (0 points) (3)
	Name of Surface Water Body OnoFre James Canyon (off of Layo)
	(Surface Water Body: Perennial Rivers Major Work St., 1987)
	Iaadon odnata,bitches,Eukes,Ponde)
	Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only)
	$\square (2) > 100'$
	TOTAL HAZARD RANKING SCORE: POINTS
	Remarks: Redline Book-Inside, Vulnerable Zone Topa - Ourside
REMAR	leit. Will close. Pit Dry
E	
щ	PUSH-IN



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	SAIVIPLE	IDENTIFICA	11014		
	Field	ID .		Lab ID	
SAMPLE NUMBER:	VW 33°	1	941.2		
MTR CODE SITE NAME:	72360			N/A	
SAMPLE DATE TIME (Hrs):	9/26/9		12	30	
SAMPLED BY:		N/	Ά		
ATE OF TPH EXT. ANAL.:	9/27/9	4	9/27	194	
TE OF BTEX EXT. ANAL.:	NIA		NIA		
TYPE DESCRIPTION:	VG		light by	ey Sand	4 Clay
REMARKS:				·	
		RESULTS	 		
PARAMETER	RESULT	UNITS	DF I	QUALIFIE	RS M(g) V(ml)
TPH (418.1)	1960	MG/KG			2.19 28
HEADSPACE PID	214	PPM			
PERCENT SOLIDS	89.1	%			
		- TPH is by EPA Metho	d 418.1 ··		
ntive:	· · · · · · · · · · · · · · · · · · ·				-
Dilution Factor Used	 				
· · · · · · · · · · · · · · · · · · ·		·			
d By:			Date:	10/5/04	

FIELD PIT REMEDIATION/CLOSURE FORM

7		11.1 75.760 1 1: 11 11 11 FO # 15
	GENERAL	Meter: 72369 Location: Maron WN Fel #4 Coordinates: Letter: D Section 22 Township: 27 Range: 8 Or Latitude Longitude
	ტ	Date Started: 9-26-94 Run: 07 32
	OBSERVATIONS	Sample Number(s): 16334 Sample Depth: 8' Feet
	BSERV	Final PID Reading 244 216 PID Reading Depth Feet Yes No
	FIELD (Groundwater Encountered 🗌 🗵 Approximate Depth Feet
1	<u>'</u>	Demodiation Mathad .
	IRE	Remediation Method: Excavation
	CLOSURE	Soil Disposition: Envirotech
		Pit Closure Date: <u>9-26-94</u> Pit Closed By: <u>BEI</u>
	REMARKS	Remarks: 8' Sandstone 10 yels. 1-11
	REM	
		Signature of Specialist: Weller
		(SP3191) 03/16/94





		•
		••
		•
Page	of	

Maine oes comban	•						CONTRACT LABORATORY P. O. NUMBER
PROJECT NUMBER PROJECT NAME	Decises # 24224	28		REQUES	STED ANALY	SIS	
Pit Clos	ure Project # 24324		PH 418.1)20		#	
BAMPLETE (Blongfur)	9-26-	TOTAL NUMBER OF CONTAINERS	TPH TPH EPA 418.1	BTEX EPA 8020		18	REMARKS
LABID DATE TIME M	TRIX SAMPLE NUM	MBER FO		<u> </u>			
12 5 9-264 935 5	il VW330	1/4	14 X			296	
214 72694 1000 5		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14 X			297	
	9:1 VW332	1 4	G X			298	
		10	16 X			299	?
02.18 9-26-94 1145 5			16 X			398	9
2 19 7-26-94 1230 5	1 1 1	1	16 X			30	4
62 20 9-2684 1315 -		1	OX			·	
6221 9-26-24 1315.	1 1 -	1	BX				
	Spil 1/2337		16 X			36	22
62239-21-84 1415						30	3
12 71 4-26-84 14 45	soil VW 339		1/6 X	.		38	
12-25 9.2694 1520	Soil VW340		16 1	1-1		36	25
1 Lat.	6-1 11-12-11	DECEMED BY: (Signature)	1/6/X	RELINOU	ISHED BY: (Sig		DATE/TIME 28 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)		RECEIVED BY: (Signature)	Find	1/8	rend	a fil	PATE(TIME RECEIVED OF LABORATORY BY: (Signature)
RELINQUISHED BY: (Signature)	9-26.94 1809 DATETIME	RECEIVED BY: (Signature)	, ien	RELINO	UISHED BY: (<i>Si</i>	gnature)	DATE/TIME RECEIVED OF LABORATORY 81: (0.5)
Lenkonen er (ab)							14,000
REQUESTED TURNAROUND TIME:		SAMPLE RECEIPT REMAR	KS			RESULTS	FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY
ROUTINE RUSH						-	= A DAY (DO)
CARRIER CO.		CHARGE CODE		 -		505-599	FARMINGTON, NEW MEXICO 87499 FAX: 505-599-2261
ENT NO:						505-399	FM-08-0565A (Rev. C



CHAIN OF CUSTODY RECORD

	PROJECT NAME PIt Closure Project			- "		REQUESTED ANALY				YSIS		CONTRACT LABORATORY P. O. NUMBER		
# 24324 SAMPLERS: (Signature)	710	Ā	7.	DATE			Щ	<u> </u>				,	Lin	
(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	tolle	Brac	llny		7/16/98	TOTAL NUMBER OF CONTAINERS	SAMPLE	± 24 148.	PD 2020		20	ENCE		
LABID	DATE	TIME	MATRIX		IELD ID	ξŘ	u,	TPH EPA 418.1	BTEX EPA 8020 LAB PID TPH BDI 5		FIST	SEQUENCE #	10 REMARKS	
980660	9/16/98	0955	soil	HAL	337	1	VG		V		V	109		MARRON WN FED #4 72369 25-26
					•									
						14	70							
							2/	ر	//		, G			
										/	78			
										•				
RELINQUISHED BY: (SI						1						1		
Holly B	Odh	my a	ILI/18	1728	RECEIVED BY (Sign	f.))		RELINQUI	SHED BY	(: (Signard	(re)	5	PATE/PIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Sign	nature)		DATE	TIME	RECEIVED BY: (SI	nature)	iture) RELINQUI				(: (Signatu	rre)		DATE/TIME RECEIVED OF LABORATORY BY: (Signature)
REQUESTED TURNAROUND TIME: SAMPLE RECEIPT RE				EMADVE								9-18-78 0927 Dennis Vind		
DROUTINE DRUSH COOK N					TH	T	30	, 8	:	RESUL	FIELD SERVICES LABORATORY			
CARRIER CO.					را برت		, , , , , , , , , , , , , , , , , , , ,					EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499		
BILL NO.:					· · ·						505-50	9-2144	FARMINGTON, NEW MEXICO 87499	



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

· .	Field ID	Lab ID
SAMPLE NUMBER:	HAB37	980660
MTR CODE SITE NAME:	72369	Marron WN Fed #4
SAMPLE DATE TIME (Hrs):	9/16/98	0955
PROJECT:	Phas	e II Drilling
DATE OF TPH EXT. ANAL.:	9/25/98	10/7/98
DATE OF BTEX EXT. ANAL.:	9/23/98	9/24/98
TYPE DESCRIPTION:	VG	SOIL

Field Remarks: 25-26'

The Surrogate Recovery was at

RESULTS

PARAMETER	RESULT	UNITS		OUALIFI	3: 5	
			J. DE	0	Min	Y(ml)
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				
HEADSPACE PID	109	PPM				
PERCENT SOLIDS	91.6	%				

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

90.8

tive:	
DF = Dilution Factor Used	
Approved By: John Fardi	Date: 10/20/98

% for this sample All QA/QC was acceptable.





GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

PROJECT#

: (none)

PROJECT NAME

: PHASE II DRILLING

PINNACLE I.D.: 809063

SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	980660		NON-AQ	9/16/98	9/25/98	10/7/98	1
02	980661		NON-AQ	9/16/98	9/25/98	10/7/98	1
03	980662		NON-AQ	9/16/98	9/25/98	10/7/98	1
PARAMET	ER	DET. LIMIT	UN	IITS	01	02	03
	PROCARBONS, C6-C10	10	MG	KG	< 10	< 10	< 10
FUEL HYD	ROCARBONS, C10-C22	5.0	MG	KG	< 5.0	< 5.0	< 5.0
FUEL HYD	ROCARBONS, C22-C36	5.0	MG	/KG	< 5.0	< 5.0	< 5.0
ROGA							
O-TERPHE		(66 - 151)			89	92	96

CHEMIST NOTES:

N/A





GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

PINNACLE I.D.: 809063

PROJECT#

: (none)

PROJECT NAME

: PHASE II DRILLING

	7 7 47 4071	. FIIAGE II DAI	LLIIVG					
SAMPLE				DATE	DATE	DATE	DIL.	
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED			
04	980663		NON-AQ	9/16/98	9/25/98	9/26/98	1 1/10101	
05	980664	•	NON-AQ	9/16/98	9/25/98	9/26/98	1	•
06	980665		NON-AQ	9/18/98	9/25/98	9/26/98	1	
PARAME	TER	DET. LIMIT	UN	IITS	04	05	06	
FUEL HY	DROCARBONS, C6-C10	10		/KG	< 10	< 10	84	
FUEL HY	DROCARBONS, C10-C22	5.0	MG	S/KG	< 5.0	< 5.0	< 5.0	
FUEL HY	DROCARBONS, C22-C36	5.0		S/KG	< 5.0	< 5.0	< 5.0	
PLCUL	ATED SUM:					4 0.0	84	
	GATE: HENYL (%) GATE LIMITS	(66 - 151)	•		123	138	119	

CHEMIST NOTES: N/A



PINNACLE I.D.: 809063



GAS CHROMOTOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED (DIRECT INJECT)

CLIENT

: EL PASO FIELD SERVICES

PROJECT #

: (none)

PROJECT NAME

: PHASE II DRILLING

1110000	7 1 1 17 1141L	. PHASE II DKI	LLING				
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
07	980666		NON-AQ	9/18/98	9/25/98	9/26/98	1
80	980667		NON-AQ	9/18/98	9/25/98	9/26/98	1
09	980668		NON-AQ	9/21/98	9/25/98	9/26/98	1
PARAME	TER	DET. LIMIT	UN	NITS	07	08	09
FUEL HY	DROCARBONS, C6-C10	10	MG	KG	< 10	12	23
FUEL HY	DROCARBONS, C10-C22	5.0	MG	S/KG	< 5.0	< 5.0	< 5.0
FUEL HY	DROCARBONS, C22-C36	5.0	MO	S/KG	< 5.0	< 5.0	< 5.0
CUL	ATED SUM:					12	23
	GATE: HENYL (%) GATE LIMITS	(66 - 151)		· .	113	117	96

CHEMIST NOTES:

N/A

Ame	erical vironmental Network (NM), Inc	~ · •	C	H;	4	3/3	DF	CI	JS e: _l	T(DDY	, , , ,	Al 	EN(N	M) /	Acc	essi	on:	#:	.8	0{			3 .	
£ 14	PROJECT MANAGER: John Lambein	\neg	11.							* ****	≟ AN/	ALY	SIS	REQ	ÜE	ST	10	141	HE	371		刘陈		辦館	
ARE FOR LAB USE ONLY.	COMPANY: El PASO Field Services 770 W. NAVAJO FARMINGTON, NM 8740 PHONE: (505) 599-2144 FAX: (505) 599-226 BILL TO: Above COMPANY: ADDRESS:	Petroleum Hydrocarbons (418.1) TRPH		EX)/8015 (Gasoline)	3 🗆 PCE	8021 (TCL)	8021 (HALO)	8021 (CUST)	504.1 EDB□/ DBCP□			8260 (CUST) Volatile Organics		~~~	3/8270)	tics (610/8310)	General Chemistry:		Priority Pollutant Metals (13)	farget Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS	
SOF	TAT VIN SAMPLE ID DATE DATE MATRIX LAB	1.7	Per S		8	80	86	8 8	800	20	82	826		A A	운	쪓	Po	ge Je	\bot	<u> </u>	ĪĒ	8	8	ğ	Ž
SHADED AREA	980660 P/16/78 0955 50il 10			<u>X</u> L	1	Ш					\perp		_	<u> </u>	<u> </u>	_	L			\bot	1	\perp			1
A	980661 9/16/98 1245 Soil 80	2		X L			_	1_		\perp		\Box		\perp	L	_			igspace	1	_	igspace	\sqcup		
DE	986662 9/16/98 1606 Soil 80	3		<u>X</u> _	_			_					\perp	\bot	<u> </u>			-		\bot	_	1	Ш		<u> </u>
HA	980663 9/16/98 1606 Soil 10	4		<u>X</u>	_ _						$\perp \! \! \perp \! \! \! \perp$								\Box	\perp	1	┷	Ш		1
ଅ 🏻	980664 9/6/98 1551 Soi) 0	クザ		\prod											_				\sqcup			ot		1	1
	98065 % 8/18/18 0947 Soil 0	0	~ ~								\bot					<u>_</u>	_			\perp	\perp				1
Έ.	980666 7/18/98 1149 501 8/1		_>		\perp		_								L		L		\sqcup	\bot	\perp				$\perp \!\! \perp$
COMPLETELY.	980667 9/18/98 1516 Soil 100												_		\perp	_			Ц	\perp	\perp				11
27.6	980668 9/21/98 1112 Soi) 0	95	_ }	\downarrow	<u></u>	Ш	\bot									<u> </u>			Ц	\perp					1
Ĭ N									j										Ш						:30
	PROJECT INFORMATION PRIOR AUTHORIZATION IS	SRE	QUIR	ED	FOR	RUS	Н РІ	ROJE	стѕ		RELIN	QUIS	HED	BY:	A.L	a y	sii:	R	ELINC	DUISI	1ED	BY:	i ingi		2.
FORM IN	PROJ. NO.: (RUSH) [] 24hr [] 48hr [] 72hr	r []	1 WEE	K			(N	ORMA	L) X	S	ignature:	7 /	n /.	Time		تنديد	····	Sig	nature	:		Tim	ne:	-	
Z	PROJ. NAME: Phase TL Drilling CERTIFICATION REQUIRED: NM	A	□sdv	VA		THEF	}			_\/ _/	Printed Na	me:		Date:		43	<u>v</u>	Pri	nted N	ame:		Dat			
요	P.O. NO.: METHANOL PRESERVATION [MArk		11		-1	23	98								

Printed Name: Printed Name: Date: P.O. NO.: METHANOL PRESERVATION [Company: Company: SHIPPED VIA: Fed LX COMMENTS: FIXED FEE □ EPFS SAMPLE RECEIPT RECEIVED BY **RECEIVED BY: (LAB)** Stgnature: 1 Time: AMU NO. CONTAINERS Time: Signature: YY N/NA CUSTODY SEALS Printed Name: Date: PANCINE TON VIO9 Printed Name: Date: RECEIVED INTACT Company: American Environmental Network (NM), Inc. BLUE ICENCE

THIS

FIL

PLEASE

RECORD OF SUBSURFACE EXPLORATION

PHILIP SERVICES CORP.

4000 Monroe Road Factor New Mexico 87401 (55 FAX (505) 326-2388

Borehole #	вн- 1
Weil#	NA
Page 1	of]

Project Number 19643 Phase 1001.77
Project Name EPFS PITS >10

Project Location MACRON WN FEL # 4 7236

Elevation

Borehole Location LTR: D S: 27 T: 27 R: 8

GWL Depth
Drilled By
Well Logged By
Date Started
Date Completed

K. PADILLA
H. BRADBURY

9/16/98

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)	ı	Air Monitoring Units: PPM BZ BH S/HS		Drilling Conditions & Blow Counts
E				-uca caban canole		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				BZ=Breathing Zone BH=Borehole S/HS=Sample/Headspace
5				EXCAVATION SAMPLE COLLECTED At 8'		-				
10		10-11	6	LT BR SAND, FINE SAND, HR MED, loose, day			1			0917 hRS
15		15-16		LT BR SAND, MEDSAND 1005E, DRY		·			190	0925 hRS
20 	3	20-21	1	LT BR SANDY CLAY, FINE SAND, SOFT low plastic, day						0939 hrs drilling
25	4	25-21	6	LT BR SANDSTONE, FINE SAND, LOW CEMENTARION, dry			0	110	231 109	0955 hrs
30				· TOB 26'			:			
35										
40		1100								

HAB37 25-26 SENT to lab for TPH, BTEX AUGER
REFUSAL AT 26' GIV NOT ENCOUNTERED BH GROWTES TO SURFACE

Geologist Signature

H. Brackery

8/18/98\Drillog

BTEX SOIL SAMPLE WORKSHEET

File		:	980660	Date Printed :	9/25/98
Soil Mass	(g)	:	5.14	Multiplier (L/g) :	0.00097
Extraction vol.	(mL)	:	10	CAL FACTOR (Analytical):	200
Shot Volume	(uL)	:	50	CAL FACTOR (Report):	0.19455

	4	DILUTION	FACTOR:	1	Det. Limit
Benzene	(ug/L) : <0.5	Benzene	(mg/Kg):	#VALUE!	0.486
Toluene	(ug/L) : <0.5	Toluene	(mg/Kg):	#VALUE!	0.486
Ethylbenzene	(ug/L) : <0.5	Ethylbenzene	(mg/Kg):	#VALUE!	0.486
p & m-xylene	(ug/L) : <1.0	p & m-xylene	(mg/Kg):	#VALUE!	0.973
o-xylene	(ug/L) : <0.5	o-xylene	(mg/Kg):	#VALUE!	0.486
	•	Total xylenes	(mg/Kg):	#VALUE!	1.459
		Total BTEX	(mg/Kg):	#VALUE!	