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 Risk ty oppositely bedvock "

Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office (Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

30-045-23610	<i></i>	100
Operator: Dugan (Site Closed by El Paso Field		2003
Operator. <u>Bugan tone Crosea by B. Paso Piera</u>	<u>services</u>	TANK N
Address:		"24
Facility Or: Mexico Fed L - 1E, Meter 90840		016.94
Well Name		
Location: Unit or Qtr/Qtr Sec Sec	10 T 30 R 13 Cour	nty San Juan
Pit Type: Separator DehydratorX	Other	· · · · · · · · · · · · · · · · · · ·
Land Type: BLM X, State, Fee	Other	
Pit Location: Pit dimensions: length <u>20'</u> , (Attach diagram)	width 19', depth 4'	·
	other	
	· · · · · · · · · · · · · · · · · · ·	
Footage from reference: 87'		<u>'</u>
§		
Direction from reference:330	Degrees X East North	
Direction from reference: 330	of	- <del></del>
Direction from reference:330	of	
Direction from reference:330  Depth To Ground Water	of	- <del></del>
Depth To Ground Water (Vertical distance from	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal	ofWest Less than 50 feet	South(20 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)  Wellhead Protection Area: (Less than 200 feet from a private	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) ( 0 points) <u>0</u>
Depth To Ground Water (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	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) ( 0 points) _0  Yes (20 points)
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)  Wellhead Protection Area: (Less than 200 feet from a private	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) ( 0 points) _0  Yes (20 points)
Depth To Ground Water (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	Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) ( 0 points) _0  Yes (20 points)
Depth To Ground Water (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.)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) ( 0 points) _ 0  Yes (20 points) No ( 0 points) _ 0
Depth To Ground Water (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:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet  Less than 200 feet	(20 points) (10 points) ( 0 points)0  Yes (20 points) No ( 0 points)0  (20 points)

Date Remediation Started:	01/30/95 Date completed: 01/30/95
Remediation Method: Ex (Check all appropriate	Approx. cubic yards 60
	andfarmed Insitu Bioremediation
0	ther
Remediation Location: C (i.e. landfarmed onsite, name and location of offsite facility)	onsite Offsite Tierra
General Description of Re	medial Action: No line markers. Started remediating to 12'. Soil gray looking with
hydrocarbon odor. At 12	soil still the same, gray with a H.C. odor. Closed pit.
Ground Water Encountere	d: No <u>X</u> 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>01/30/95</u> Sample time <u>16:35</u>
	Sample Results
	Benzene(ppm) 74.7
	Total BTEX(ppm) 974
	Field headspace(ppm) 353
	TPH <u>5410</u>
Ground Water Sample:	Yes NoX (If yes, attach sample results)
I hereby certify that the inf	formation above is true and complete to the best of my knowledge and belief.
Date 4/23/93	Printed Name
Signature Sem T.	and Title Scott Pope, Senior Environmental Scientist



#### Mexico Fed L-1E Meter/Line ID 90840

SITE DETAILS

Legals - Twn: 30N

**Rng: 13W** 

Sec: 10

Unit: C

NMOCD Hazard Ranking: 0

------- Dugan Budustian Ca

Land Type: BLM

**Operator: Dugan Production Company** 

Pit Closure Date: 1/30/95

#### 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 to 12 feet (ft) below ground surface (bgs) and a soil sample was collected for field headspace and laboratory analysis for TPH and BTEX. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 353 ppm; laboratory analysis indicated a benzene concentration of 74.7 mg/kg, a total BTEX concentration of 974 mg/kg, and a TPH concentration of 5,410 mg/kg. The benzene, total BTEX and TPH measurements exceeded recommended remediation levels for the Hazard Ranking Score of 0.

Approximately 60 cubic yards of soil were excavated and hauled to Tierra, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed with auger refusal at 35.2 ft bgs. A soil sample was collected at 35 ft bgs for field headspace and laboratory analysis for TPH and BTEX. No groundwater was encountered in the soil boring. Headspace analysis indicated an organic vapor content of 558 ppm; laboratory analysis indicated a benzene concentration of 689 mg/kg, a total BTEX concentration of 4,420 mg/kg, and a TPH concentration of 54,400 mg/kg. The benzene, total BTEX and TPH concentrations were above recommended remediation levels for the Hazard Ranking Score of 0.

No Phase III activities were conducted.

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

- The primary source, discharge to the pit, has been removed for over 8 years.
- A majority of the impacted soil was excavated to the practical extent of the equipment and disposed
  of offsite.
- The pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms placed on top of the excavation would limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are unlikely to be completed.
- Groundwater was not encountered in the soil boring at 35.2 ft bgs; local geologic features indicate the depth to groundwater is greater than 100 ft bgs.

## REVISED FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: \( \frac{8040}{\text{Location:}} \) Location: \( \text{Mexsco} \) Fe \( \text{Location:} \) Location: \( \text{New Location:} \) Deperator \( \text{Name:} \) \( \text{Location P/L District:} \) Coordinates: \( \text{Letter} \) \( \text{Location Section} \) \( \text{16} \) Township: \( \text{20} \) Range: \( \text{12} \) or \( \text{Latitude} \) Location \( \text{Drip:} \) Line \( \text{Drip:} \) Dehydrator \( \text{Location Drip:} \) \( \text{Line Drip:} \) \( \text{Other:} \) Site \( \text{Assessment Date:} \( \text{N-12-95} \) \( \text{Area:} \( \text{02} \) \( \text{Run:} \( \text{21} \) \\ Revised \( \text{Date:} \) \( \text{N-23-03} \)
	NMOCD Zone: Land Type: BLM 💢 (1)
	(from NMCOD Maps)  State (2)  Intside (1)  Fee (3)
	Intside $\square$ (1) Fee $\square$ (3) Outside $\square$ (2) Indian
	Depth to Groundwater  Less than 50 Feet (20 points)   (1)
	50 Feet to 99 Feet (10 Points) (2)
L	Greater than 100 Feet (0 Points) (3)
S	Well Protection Area
	Is it less than 1000 feet from well, spring or other source of fresh water extraction?
ES	or; Is it less than 200 feet from a private domestic water source?
ASSESSMENT	YES (20 Points) NO (0 Points)
E A	Horizontal Distance to Surface Water Body
SITE	Less than 200 Feet (20 points)
	200 Feet to 1000 Feet (10 Points) (2)
	Greater than 1000 Feet (0 Points) (3)
	Name of Surface Water Body LAPARIVER
	(Surface Water Body: Perennial River, Stream, Creek, Irrigation Canal, Ditch, Lake, Pond)
	Distance to Nearest Ephemeral Stream (1) < 100 feet (Navajo Pits Only)
	TOTAL HAZARD RANKING SCORE POINTS
RKS	HK.
R	Remarks: REASSESSMEN REVISION BASED ON REASSESSMENT
	DISTANCE TO SORFACE WATER
REM	



## FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 90840 Location: Mexico Fel L-1E  Operator #: 1862 Operator Name: Dyggo P/L District:  Coordinates: Letter: Section 10 Township: 30 Range: 12  Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other:  Site Assessment Date: 1/12/95 Area: 02 Run: 3/
	NMOCD Zone:         Land Type:         BLM         ∅ (1)           (From NMOCD         State         □ (2)           Maps)         Inside         ⋈ (1)         Fee         □ (3)           Outside         □ (2)         Indian         □           Depth to Groundwater         □ (2)         (1)           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 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 N. Twin Wash (off Laplata R.)
	(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: 40 POINTS
REMARKS	Remarks: Kedline Book: Inside Vulnerable Zone Topo: Inside Jeits- Close L. Dehy on pit discharging to 55 gal drum
REA	DICAL HAIN

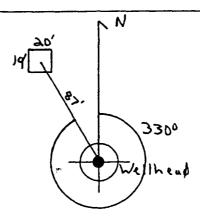
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REMARKS

#### ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 330° Footage from Wellhead 87′

b) Length : <u>AD'</u> Width : <u>19'</u> Depth : <u>4'</u>



Remarks:
Pictures @ 1449 hr 20-25 roll 1

Completed By:

Signature

MIZ/95

## FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 90840 Location: Mexico Fed L-15  Coordinates: Letter: Section 10 Township: 30 Range: 13  Or Latitude Longitude Longitude Date Started: 1-30-95 Run: 02 31
FIELD OBSERVATIONS	Sample Number(s): 400  Sample Depth: 12' Feet  Final PID Reading 353 PID Reading Depth 12' Feet  Yes No  Groundwater Encountered \( \Bar{\text{\text{\$\text{\$Approximate Depth }}} \) Feet
CLOSURE	Remediation Method:  Excavation Onsite Bioremediation Backfill Pit Without Excavation  Soil Disposition: Envirotech Other Facility  Name:  Pit Closure Date: 1-30-95  Pit Closed By: BEE
REMARKS	Remarks: No Line markers started Remediating to 12' soil  Gray Looking with H. Gordor. At 12' soil still The Same gray with  A H.c ordor. closed P.7.
	Signature of Specialist: Kelly Padilla



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

### PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

### SAMPLE IDENTIFICATION

· _	Field ID	Lab ID
SAMPLE NUMBER:	KP 400	946613
MTR CODE   SITE NAME:	90810	N/A
SAMPLE DATE   TIME (Hrs):	1-30-95	1635
SAMPLED BY:		N/A
DATE OF TPH EXT.   ANAL.:	2/2/95	72/95
DATE OF BTEX EXT.   ANAL.:	1/31/95	2/1/95 +2/2/95
TYPE   DESCRIPTION:	٧८	Dark Brown sund and clay

REMARKS:	

#### **RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS				
			DF	Q	M(g)	∘V(ml)⊠	
BENZENE	74.7	MG/KG	0.76923		2.6	70	
TOLUENE	411	MG/KG	1.09840				
ETHYL BENZENE	49.0	MG/KG	0.76923		12/		
TOTAL XYLENES	6=93.3 ph= 346	MG/KG	0=0,76423 ran = 1.09860		1		
TOTAL BTEX	974	MG/KG					
TPH (418.1)	5410	MG/KG			1.94	28	
HEADSPACE PID	353	PPM		1	. 3. 		
PERCENT SOLIDS	90.4	%			<b>*</b>		

TPH is by	<b>EPA Method</b>	418.1 an	d BTEX is	by EPA	Method 8020
-----------	-------------------	----------	-----------	--------	-------------

	Surrogate Recovery was at	83.4	_% for this sample	All QA/QC was acceptable
1.0	CIVA'			

)F	=	Dilution	Factor	Used	•
				\ \P	
• -		6		7 1 -	

#### **RECORD OF SUBSURFACE EXPLORATION**

#### PHILIP ENVIRONMENTAL

4000 Monroe Road Farmington, New Mexico 87401 (605) 326-2282 FAX (605) 326-2388

Elevation

Borehole Location QC - SID - T3D - RID

GWL Depth

Logged By CM CHANCE

Drilled By K Padilla

Date/Time Started ID/S/95 - 13 45

Date/Time Completed ID/S/95 - 153D

Borehole #	BH-1	
Well #		
Page	L of I	

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location Mexico Fell L-15 90840

Well Logged By

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

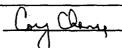
Drilling Method 4 1/4" ID HSA
Air Monitoring Method PID, CGI

Г	-			Sample			Depth				
1	Depth Samp		Sample Sample Type 6		Sample Description		USCS Lithology		Air Monitoring		Drilling Conditions
J	(Feet)	Number	Interval	Recovery	Classification System: USCS	Symbol	Change	Units	: PPM	<u>s</u>	& Blow Counts
1				(inches)		·	(feet)	ВZ	вн	HS	
	5				Backfill to 121						
											·
	15	)	15-17	18"	Br sandy CLAY, of sand, safe, med plastic, ade-			3	12	<u> 1381</u>	-1348
	20	ð	so M	15,,	Br clayey SAND, UF-Fsand, med dense, dry			7	38	, i	- 125.5
	25	ن	ንጉን?	9,,	H Br clayey StND, ut-Fsand, v. dense, sl maist			13	180		-Orlng harder -1405
	30	4	ک <sup>2</sup> که وز	4"	Yellow SAND, vf-f, v. dense dry			~	90		-1414
	35	ک	J2 -32 <b>7</b>	à"	Br siling SAND, of sand, v. lenso, sl mair TDB JS. 2			ઇ	78	4 <u>80</u> 554	-V. hard dring -Refusal QJS/ -1430

Comments:

Refusal QJS' w/ augers. (MCJ3 (BS-XS) Sent 70 lab (BTEXTPH)
BH growed to surface

Geologist Signature





## FIELD SERVICES LABORATORY ANALYTICAL REPORT

### PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC 131	947597
MTR CODE   SITE NAME:	90840	Mexico Fed L-IE
SAMPLE DATE   TIME (Hrs):	10-05-95	1430
PROJECT:	Phase II Drilling	
DATE OF TPH EXT.   ANAL.:	10/6/95	
DATE OF BTEX EXT.   ANAL.:	10/6/95	10/9/95
TYPE   DESCRIPTION:	VG	CAN FERUIT BUCKCIAY

Field Remarks:	

#### **RESULTS**

PARAMETER	RESULT	UNITS		QUALIFIERS		
大學 医皮肤			DF	α	⊠M(g) □ V(ml)	
BENZENE	689	MG/KG	50	D		
TOLUENE	2,550	MG/KG	50	D. DI		
ETHYL BENZENE	117	MG/KG	50	Ď		
TOTAL XYLENES	1070	MG/KG	50	D		
TOTAL BTEX	4,420	MG/KG				
TPH (418.1)	54,400	MG/KG			.14 28	
HEADSPACE PID	558	PPM				
PERCENT SOLIDS	88	%				

TENCENT BODIES		70			0.00
The Surrogate Recovery was at	TPH is by EPA Method	for this samp	le All QA/QC w	as acceptable.	
rative: Result for	Tolvene exc	eeded CAL	ibration	rAnge	
DF = Dilution Factor Used	$\cap$				
Approved By:	of the second		Date:	10-11-95	