PIT REMEDIATION PLAN AND CLOSURE REPORT

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505

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APPROPRIAT
DISTRICT O
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(Revised 3,

PIT REMEDIATION AND CLOSURE REPORT

Operator: _____ **Telephone:** (713) 296-(

Address: Apache Corp. 2000 Post Oak Blvd. Houston, Tx. 77056

Facility Or: Tulk Field State 23-36 Battery
Well Name

Location: Unit or Qtr/Qtr Sec D Sec 26 T 14S R 32E County Lea

Pit Type: Separator ___ Dehydrator ___ Other Production Pit

Land Type: BLM ___, State XX, Fee ___, Other _____

Pit Location: (Attach diagram)
Pit dimensions: length 22', width 22', depth 3'
Reference: wellhead ___, other Actual measurements
Footage from reference: within production equipment area
Direction from reference: _____ Degrees ___ East North ___ of ___ West South ___

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) (10 points) (0 Points)
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)	Yes No	(20 points) (0 points)
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)
	RANKING SCORE (TOTAL POINTS):	

Date Remediation Started: 08/93 **Date Completed:** 12/97

Remediation Method: (Check all appropriate sections)
Excavation ___ Approx. cubic yards ___
Landfarmed ___ Insitu Bioremediation XX
Other ___

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)
Onsite XX Offsite ___

General Description Of Remedial Action: As per State approved Treatment & Closure Plan for Oil Field Production Pits

Ground Water Encountered: No XX Yes ___ Depth ___

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)
Sample location Please see attached
Sample depth ___
Sample date ___ Sample time ___
Sample Results
Benzene(ppm) ___
Total BTEX(ppm) ___
Field headspace(ppm) ___
TPH ___

Ground Water Sample: Yes ___ No ___ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE April 23, 1998

SIGNATURE [signature] PRINTED NAME AND TITLE Michael D. Bernard

ANALYTICAL REPORT 1-72071

for

Biotek Environmental Services, Inc.

Project Manager: Tom Hayman

Project Name: Coastal New Mexico

September 15, 1997

XENCO Laboratories

HOUSTON - DALLAS - SAN ANTONIO

11381 Meadowglen Lane Suite L * Houston, Texas 77082-2647
Phone (281) 589-0692 Fax (281) 589-0695

XENCO Laboratories

11381 Meadowglen Suite L
Houston, Texas 77082-2647
(281) 589-0692 Fax: (281) 589-0695
Houston - Dallas - San Antonio

September 15, 1997

Project Manager: Tom Hayman
Biotek Environmental Services, Inc.
3200 Wilcrest, #400
Houston, TX 77042

Reference: **XENCO Report No.: 1-72071**
Project Name: Coastal New Mexico

Project Address: New Mexico

Dear Tom Hayman:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with XENCO Chain of Custody Number 1-72071. All results being reported to you apply only to the samples analyzed, properly identified with a Laboratory ID number. This letter documents the official transmission of the contents of the report and validates the information contained within.

All the results for the quality control samples passed thorough examination. Also, all parameters for data reduction and validation checked satisfactorily. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, and completeness.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 3 years in our archives and after that time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 1-72071 will be filed for 60 days, and after that time they will be properly disposed of without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

XENCO Laboratories is accredited by the American Association for Laboratory Accreditation (A2LA) for technical competence in the field of Environmental Testing (Certificate No. 0343-01). In accordance with A2LA's guidelines, XENCO operates a Quality System that meets ISO/IEC Guide 25 requirements and is strictly implemented and enforced through our standard QA/QC procedures.

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Sincerely,

Eddie Y. Shimoto, Ph.D.
QA/QC Manager

XENCO Laboratories

11381 Meadowglen Suite L Houston, Texas 77082
(713) 589-0692 Fax (713) 589-0695

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Page 1 of 1

Lab Batch # 177071-1-H

Contractor: Quintek | Phone: (713) 370-6973

Address: 3200 Wilcrest Ste 400

Project Name: Coastal N. Mex | Project Director:

Project Location: New Mexico | Project Manager: Jam

Sampler Signature: Gandy Cap | Project No.:

No. coolers this shipment: | Contractor COC #

Carrier: XANCO | Quote #:

Airbill No. | P.O. No:

SAMPLE CHARACTERIZATION

	Field ID	Date	Time	DEPTH	SOIL	WATER	COMP	GRAB	Container Size	Container Type P, G	Preservative Ice	Preservative Other	Sample Description	No of CONTAINERS Total	BTEX (8030 or 8020-602)	TPH (418.1)	TPH - 8015D	Please Hold	Remarks	LAB ONLY ID #
1	1	9/3	300		X		X						Burn State 5 Bottom				X			1
2	2	9/3	3P		X		X						State 5 TOP				X			2
3	3	9/3	4P		X		X						Hlying M. EAST Bottom				X			3
4	4	9/3	4P		X		X						Hlying M. EAST TOP				X			4
5	5	9/3	4P		X		X						Hlying M. West Bottom				X			5
6	6	9/3	4P		X		X						Hlying M. West TOP				X			6
7																				7
8																				8
9																				9
10																				10

Unl Dies Ker Unknown

Waste Oil

PIT No: Tank No:

Turn-around: * ASAP, * 24 hrs, 48 hrs, (Standard)

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	DATE	TIME
Kirk Hayman	9-9-97	9:30A	Angel Morales	9/9/97	9:30
Angel Morales	9/9/97	9:36			
			Received For Laboratory by: Alan R. Sutley	9/9/97	09:36

Remarks

Pink (Contractor), Yellow & White (Lab).

* Pre-scheduling is recommended

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY 1-72071

Biotek Environmental Services, Inc.

Project Name: Coastal New Mexico

Date Received in Lab : Sep 9, 1997 09:36 by AS

Project Manager: Tom Hayman

Date Report Faxed: Sep 15, 1997

Project Location: New Mexico

XENCO contact : Scott Sample/Edward Yonemoto

Analysis Requested	*Lab ID:* / *Field ID:*	172071-001 Baum State 5 Bottom	172071-002 2-State 5 Top	172071-003 3 Flying M E-Bottom	172071-004 4-Flying M E-Top	172071-005 5-Flying M W-Bottom	172071-006 6-Flying M W-Top			
TPH-DRO (Diesel) by EPA 8015 M		Date Analyzed - Analytical Results								**ppm (mg/L - mg/Kg)**
		Sep 10, 1997	Sep 10, 1997	Sep 10, 1997	Sep 10, 1997	Sep 10, 1997	Sep 10, 1997			
Total Petroleum Hydrocarbons		< 50.0	25.7	646	545	< 50.0	< 50.0			

Edward H. Yonemoto, Ph.D.
QA/QC Manager

XENCO Laboratories

11381 Meadowglen Suite L Houston, Texas 77082
(713) 589-0692 Fax (713) 589-0695

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Page of

Lab. Batch # 171752-H

Contractor: Envirotech Inc Phone: (713) 782-3980

Address: 3200 Wilcrest Ste 100

Project Name: Coastal - Project Director: Jim Hayman

Project Location: New Mexico Project Manager: Jim

Sampler Signature: Jim Hayman Project No.

No. coolers this shipment: Contractor COC #

Carrier: Quote #:

Airbill No. P.O. No:

No of CONTAINERS Total

Turn-around: ASAP / 24 hrs / 48 hrs / Standard

LAB ONLY ID #

SAMPLE CHARACTERIZATION									Preservative		Unl Dies Ker Unknown Waste Oil PIT No: Tank No:	BTEX (8030/8020-602)	TPH (418.1)	8015 D -	Please Hold	Remarks	LAB ONLY ID #
Field ID	Date	Time	DEPTH	SOIL	WATER	COMP	GRAB	Container Size Type P, G	Ice	Other	Sample Description						
[redacted]																	1
[redacted]																	2
3	7.31	4P				X					#36 Bottom			X			3
4	7.31	4P				X					State 36 Top			X			4
5	7.31	4P				X					23-26 Bottom			X			5
6	7.31	4P				X					23-26 Top			X			6
																	7
																	8
																	9
																	10

Relinquished by:	Signature	DATE	TIME	Received by:	Signature	DATE	TIME
Jim Hayman		8.4.97	12:40	[signature]		8-4-97	1240
[signature]		8.4.97	1249				
				Received For Laboratory by:	[signature]	8-4-97	12 49

Remarks

rk (Contractor), Yellow & White (Lab).

* Pre-scheduling is recommended

Precision Analytical Services

XENCO Laboratories

CERTIFICATE OF ANALYSIS SUMMARY 1-71752

Biotek Environmental Services, Inc.

Project Name: Coastal

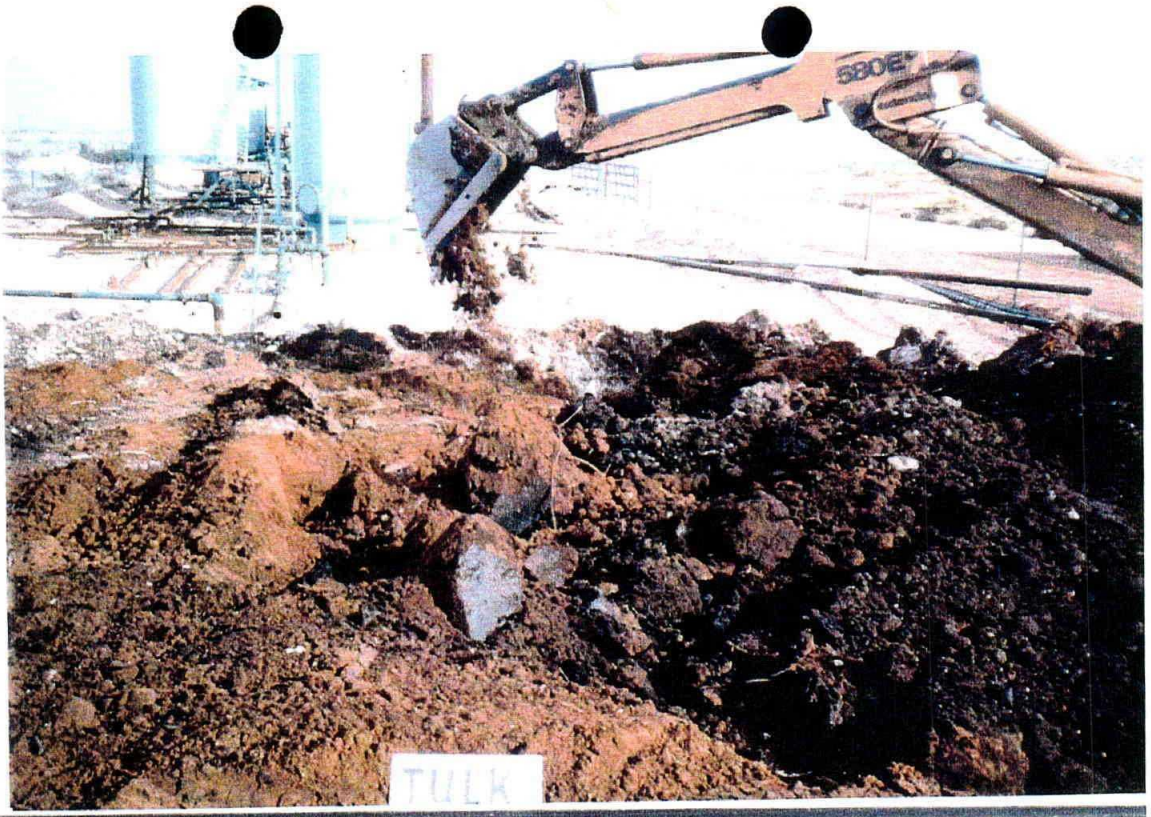
Project Manager: Tom Hayman
Project Location: New Mexico

Date Received in Lab : Aug 4, 1997 12:49 by RT
Date Reported: Aug 5, 1997
XENCO contact : Scott Sample/Edward Yonemoto

Analysis Requested	*Lab ID:*	171752-003	171752-004	171752-005	171752-006					
	Field ID:	3	4	5	6					
	Depth:									
TPH-DRO (Diesel) by EPA 8015 M		Date Analyzed - Analytical Results								ppm (mg/L - mg/Kg)
		Aug 4, 1997	Aug 4, 1997	Aug 4, 1997	Aug 4, 1997					
Total Petroleum Hydrocarbons		1650	283	625	56.9					

Edward H. Yonemoto, Ph.D.
QA/QC Manager

Tulk #23



Tulk #23

Tulk #23