

PIT REMED.

PLAN AND

CLOSURE

REPORTS

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

SUBMIT 1 COPY
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 3/9/9)

PIT REMEDIATION AND CLOSURE REPORT

Operator: _____ Telephone: (713) 296-6555

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

Facility Or: Baum Field State # 36
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: Pit dimensions: length 12', width 12', depth 3'
(Attach diagram)

Reference: wellhead, other

Footage from reference: within production equipment area

Direction from reference: Degrees East North
of
West South

Depth To Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	(0 Points)	0
high water elevation of			
ground water)			

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

Distance To Surface Water:	Less than 200 feet	(20 points)	
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	10
irrigation canals and ditches)			

RANKING SCORE (TOTAL POINTS): 30

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

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

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

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: Sample location Please see attached
Closure Sampling: _____
(if multiple samples,
attach sample results
and diagram of sample
locations and depths) 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 Michael D. Bernard

PRINTED NAME Michael D. Bernard
AND TITLE

ANALYTICAL REPORT 1-72071

for

Biotek Environmental Services, Inc.

Project Manager: Tom Hayman

Project Name: Coastal New Mexico

September 15, 1997



HOUSTON - DALLAS - SAN ANTONIO

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



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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 Yarbrough, Ph.D.
QA/QC Manager

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified in California, Oklahoma, Kansas, Arkansas, and approved by numerous other States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY!*



11881 Meadowlark Suite L Houston, Texas 77062
(713) 589-0692 Fax (713) 589-0695

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Page 1 of 1

Lab. Batch # 177071-17

Contractor <i>Dratek</i>		Phone (713) 370-6973		No coolers this shipment:		Contractor COC #				
Address <i>3200 Wilcrest St. 500</i>		Project Director		Carrier: <i>Kenco</i>		Quote #:				
Project Name <i>Castal N.Mex</i>		Project Manager <i>Jam</i>		Airbill No.		PO No:				
Project Location <i>New Mexico</i>		Project No								
Sampler Signature <i>Gandy Corp</i>										
SAMPLE CHARACTERIZATION										
Field ID	Date	Time	DEPTH	SOIL	WATER	COMPS	GRA	Container Size Type P.G.	Preservative	
									Is	Other
1	9/3	300	X	X		X			Uhl Dies Ker Unknown	Waste Oil
2	9/3	3:10	X	X		X			Uhl Dies Ker Unknown	Waste Oil
3	9/3	4:10	X	X		X			Uhl Dies Ker Unknown	Waste Oil
4	9/3	4:10	X	X		X			Uhl Dies Ker Unknown	Waste Oil
5	9/3	4:10	X	X		X			Uhl Dies Ker Unknown	Waste Oil
6	9/3	4:10	X	X		X			Uhl Dies Ker Unknown	Waste Oil
Total										

Received by		DATE	TIME	Received by		DATE	TIME
<i>Jam</i>		9/9/97	4:30A	<i>Jam</i>		9/9/97	9:30
<i>Angel</i>		9/9/97	9:36	<i>Angel</i>		9/9/97	9:36
Received For Laboratory by				Received For Laboratory by			
<i>Alan R. Sanchez</i>				<i>Alan R. Sanchez</i>			

LAB ONLY

Turn-around

- ASAP
- 24 hrs
- 48 hrs
- Standard

Remarks

Please Hold

TPH (48h)

TPH - 80/50

BTX (5000-6000-600)

CERTIFICATE OF ANALYSIS SUMMARY 1-72071

Blotek Environmental Services, Inc.

Project Name: Coastal New Mexico

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

Project Manager: Tom Hayman

Project Location: New Mexico

Date Report Faxed: Sep 15, 1997

XENCO contact : Scott Sample/Edward Yonemoto

Analysis Requested	Lab ID:	Date Analyzed - Analytical Results						ppm (mg/L - mg/Kg)
	Field ID:	172071-001	172071-002	172071-003	172071-004	172071-005	172071-006	
		Baum State 5 Bottom	2-State 5 Top	3 Flying M E-Bottom	4-Flying M E-Top	5-Flying M W-Bottom	6-Flying M W-Top	
TPH-DRO (Diesel) by EPA 8015 M		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	

This report summary, and the entire report it represents, has been made for the exclusive and confidential use of Blotek Environmental Services, Inc. The interpretations and results expressed through this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories, however, assumes no responsibility and makes no warranty to the end use of the data hereby presented.


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

**CHAIN OF CUSTODY RECORD
AND ANALYSIS REQUEST FORM**

Page of

Lab. Batch # 171752-H

Contractor <i>Butter Gun</i>		Phone (713) 782-3581		No. coolers this shipment:		Contractor COC #	
Address <i>3300 Wilcrest Ste 100</i>		Project Director <i>Jam. Hayman</i>		Carrier:		Quote #:	
Project Name <i>Coastal -</i>		Project Manager <i>Jam</i>		Airbill No.		P.O. No.:	
Project Location <i>New Mexico</i>		Project No.					
Sampler Signature <i>Jam. Hayman</i>							

SAMPLE CHARACTERIZATION										No. of CONTAINERS		Total		
Field ID	Date	Time	DEPTH	S O I L	W A T E R	C O M P	G R A B	Preservative		Utl Dis	Ker	Unknown	Tank No:	Sample Description
								be	Other					
3	7.31	4P												
4	7.31	4P												
5	7.31	4P												
6	7.31	4P												

L A B ONLY ID #	Turn-around - ASAP - 24 hrs - 48 hrs Standard	Remarks	DATE		TIME	
			Signature	DATE	Signature	TIME
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Signature <i>Jam. Hayman</i>		DATE	TIME
Signature <i>Butter Gun</i>		DATE	TIME

Signature <i>Butter Gun</i>		DATE	TIME
Signature <i>Butter Gun</i>		DATE	TIME

CERTIFICATE OF ANALYSIS SUMMARY 1-71752

Biotek Environmental Services, Inc.

Project Name: Coastal

Date Received in Lab : Aug 4, 1997 12:49 by RT

Project Manager: Tom Hayman

Date Reported: Aug 5, 1997

Project Location: New Mexico

XENCO contact : Scott Sample/Edward Yonemoto

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

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



Baum State # 36





Baum State # 36





Baum State # 36

