## DEPUTY OIL & GAS ENSPECTION

AUG 0 9 1999

## Jicarilla Apache Tribe **Environmental Protection Office** P.O. Box 507 Dulce, New Mexico 87528 Pit Remediation and Closure Report Talenhone: (505)



OIL CON. DIV.

DIST. 3

MECC	Pit	Remediat	ion and Clos	ure Re	eport	9	นเร	DIDIL:
Operator:	Taurus Explorat	ion U.S.A.,	Inc Telephor	ne:	(505)	325-6800		
Address:	2198 Bloomfield	Hwy, Farm	ington, NM 874	01				
Facility or Wel	2198 Bloomfield Name:	Jicarilla 98	-3 A					<del></del>
Location;	Unit or Qtr/QTR				Coun	ty	Rio	Arriba
Pit Type:	Separator:	Dehydrator				Separator	Pit	
Land Type:	Range							
Pit Location:	Pit dimensions:	length:28 f	width: 28	ft	depth	: 9 ft		
(Attach Diagrar							-	
Foots	Reference:	wellhead: >			<del></del>		-	
H	ge from reference: on from reference:	<del></del>						
Directi	on from reference:	30	Degrees		East	North	<u>X</u>	
				v		of		
			<del></del>	<u>X</u>	West	South		
Depth To Grou			Less than	50 feet		(20 points)		
(Vertical distan			50 feet to	99 feet		(10 points)	ı	
contaminants to			Greater than 10	00 feet		(0 points)		0
high water elev	ations of							
groundwater)								
Distance to an	Ephemeral Stream	:	Less than 10	00 feet	(	(10 points)		
(Downgradient	dry wash greater t	han	Greater than 10	00 feet		(0 points)		0
ten feet in width	1)					(4		
Distance to Nea	arest Lake, Playa,	or Watering	Less than 10	00 feet	(	(10 points)		
Pond: (Downgra	adient lakes, playa	s, and (	Greater Than 10	00 feet	•	(0 points)		0
livestock or wild	llife watering pond	s)				, , ,		
Wellhead Prote	ction Area:			Yes	1	(20 points)		
(Less than 200	feet from a private			No	`	(0 points)		0
domestic water	source, or less tha	ın				(0 0010)		
	ali other water soul							
Distance To Sui	rface Water:		Less than 10	00 feet	l	20 points)		
(Horizontal dista	ance to perennial		100 feet to 100		-	10 points)		
	ers, streams, cree	ks, G	reater than 100		,	(0 points)		0
irrigation canals			- <del></del>			(- F 2 1. 2)		<u>~_</u>
			RANKING SC	ORF (	IATO	SCOREV		0

## Jicarilla Apache Tribe Environmental Protection Office P.O. Box 507 Dulce, New Mexico 87528

## Pit Remediation and Closure Report

Date Remediation Started:	7/10/98	Date Completed	7/10/98
Remediation Method:	Excavation:	Х	Approx. cubic yaı 190
(Check all appropriate	Landfarmed:	X	Insitu Bioremediation:
sections)	Other:		
Remediation Location:	On-site:	X	Off-site:
(I.e. landfarmed on site,			
name and location of		•	
off site location)			
General Description of Remedial	Action:	Soil was excavat	ted and landfarmed on location.
Groundwater Encountered:	No: X	Yes:	Depth:
Final Pit	Sample location	:East wall @ 7 fee	et below surface . Pit bottom and
Closure Sampling:			ce (see attachment).
(If multiple samples,			
attach sample results			
and diagram of sample	Sample depth:	7 feet	
locations and depths.)	Sample date:	7/10/98	Sample time: 1520
Sample Results:	•		
Soil:			Water:
Benzene (ppm)		•	Benzene (ppb)
Total BTEX (ppm)	The second leaves the second leaves to the second l	•	Toluene (ppb)
Field Headspace (ppm)		Eth	nylbenzene (ppb)
TPH (ppm)		•	tal Xylenes (ppb)
Groundwater Sample:	Yes:		No: X
(If yes, attach sample results.)		•	110. /
I HEREBY CERTIFY THAT TH	E INFORMATIO	NI AROVE IS T	DIE AND COMPLETE TO
THE BEST OF MY KNOWLED			NOE AND COMPLETE TO
===: =: : :	OL / WE SEE.	a1	
DATE: 8/26/98			Frank McDonald
	<del></del>		Tank Mobolia
SIGNATURE:	MKN. A.	なND TITI F	Env. Division Manager
The state of the s	4412	THE HILL.	LIV. Division Manager
AFTER REVIEW OF THE PIT	CLOSLIBE INE	OPMATION DIT	CLOSTIBE IS ABBBOVED
IN ACCORDANCE TO THE JI			
MACCONDAIGE TO THE SIX	JANILLA AFAU	TE INDEFIL	SLUSURE URDINANCE
APPROVED: Yes: X	No:	(Pageon)	
7 1 10 VLD. 163.	140.	(Reason)	
SIGNED: Kiese (" )	12 0	:	DATE: 9-2-98

Pit Profile : North to South : Comments: Top soil - 8' Soil is moist, brown, sandy loam with some EPO Ranking Score: Nearest Surface Water: >1000'
Nearest Ephemeral Stream: >1000' from wellhead Initial Size: 25' x 25' x 3' deep Final Size: 28' x 28' x 9' deep Quad: TPH Closure Standard: Reference: 120' N 30 W Nearest Water Source: Depth to Groundwater: Pit: Abandoned Separator Pit Range: Yds. Excavated: 190 cy Location : 3 W O Jicarilla 98 - 3A for GRO/DRO analysis. A sample from the east wall @ 7' was sent to IML 8' - 9' Soil is moist brown, sandy/loam with no hydrocarbon staining and a very minor odor. hydrocarbon staining and a strong odor. Township: Section >1000' 5000 >100 0 10 ft Sample # 26 N 히크 ᅙ စ 8 W. Wall @ 7 S. Wall @ 7 N. Wall @ 7 Bottom @ 9' E. Wall @ 7' Location 2 0 ¥ 92.1 41.7 72.3 6.8 Pit Profile : East to West : Overview of Location and Sampling **Entrance Road** Surface Gradient Earthen Pit Wellhead Separator Tank West

Environmental Specialist : VC

**Cimarron Oilfield Services** 

Page 1 of 1

2506 W. Main Street Farmington, New Mexico 87401

## **GASOLINE RANGE ORGANICS - GRO**

## **Taurus Exploration**

Project ID: Sample ID:

Jicarilla 98-3A

Lab ID:

E. Wall @ 7' 0398G03979

Sample Matrix:

Soil

Condition:

Cool/Intact

Report Date:

08/26/98

Date Sampled:

07/10/98

Date Received:

07/13/98

Date Analyzed:

07/28/98

TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	5	5.0 mg/kg
Total Purgeable Hydrocarbons	11	5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

M Reviewed By:

## **DIESEL RANGE ORGANICS - DRO**

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla 98-3A

Report Date:

08/26/98

Sample ID:

E. Wall @ 7' 0398G03979

Date Sampled:

07/10/98

Lab ID: Sample Matrix:

Soil

Date Received:

07/13/98

Condition:

Cool/Intact

Date Analyzed:

07/15/98

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RESULT

**DETECTION LIMIT** 

Diesel-Range Petroleum Hydrocarbons

<5.0

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:

Reviewed By:



# CHAIN OF CUSTODY RECORD

54534	77845 -8945	11183 State Hwy. 30 College Station, TX 7 Telephone (409) 776	ive 3 59718 36-8450	☐ 1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	737	2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737		1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945		1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945	
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	ANALYSES / PARAMETERS	ANALYSES		7	n (X - ZH)	Project Location	)   Pr	119.1	alien	Client/Project Name	
				7							

### JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

## **ON-SITE SOIL REMEDIATION REPORT**

Operator: Taurus Exploration USA Inc.	Telephone: (505) 325 - 6800									
Address: 2198 Bloomfield Hwy, Farmingt	ton N.M. 87401									
Facility or Well Name: <u>Jicarilla 98-3A</u>										
Location: Unit or Qtr/Qtr Sec_D_Sec_2	20 T 26 N R 3 W County Rio Arriba									
Land Type: Range										
Date Remediation Started: 7/10/98 Da	te Completed: 12/9/98									
Remediation Method: Landfarmed X	Approx. cubic yards190									
Composted										
Other										
Depth to Groundwater: (pts) 0 Final Closure Sampling:										
Distance to an Ephemeral Stream (pts)0	Sampling Date: <u>12/9/98</u> Time: <u>09:00</u>									
Distance to Nearest Lake, Playa, or Watering Pond (pts) 0	Sample Results:									
Wellhead Protection Area (pts)0	Field Headspace (ppm) 18.1									
Distance to Surface Water (pts)0	TPH (ppm) <54 Method 8015									
RANKING SCORE (TOTAL POINTS): 0	Other:									
I HEREBY CERTIFY THAT THE INFORMATION ABOUNDEDGE AND BELIEF DATE: 1/6/99 PRINTED NA SIGNATURE										
AFTER REVIEW OF THE SOIL REMEDIATION INFOR APPROVED IN ACCORDANCE TO THE JICABILLA AAPPROVED: YES NO (REASON)	/1									
	NTE: 1-7-99									

Client: \_

Taurus Exploration USA Inc.

Date Started: July 10, 1998 Date Completed: December 9, 1998

North

2506 West Main Street, Farmington, NM 87401



Phone (505) 326-4737 Fax (505) 325-4182

**GASOLINE RANGE ORGANICS - GRO** 

## **ENERGEN RESOURCES**

Project ID:

Jicarilla 98-3A

Sample ID:

Landfarm Comp #1

Lab ID:

0398G07287

Sample Matrix: Condition:

Soil Cool/Intact Report Date:

12/31/98

Date Sampled:

12/09/98

Date Received:

12/11/98

Date Analyzed:

12/30/98\*

AS-RANGE (MO	

RESULT

DETECTION LIMIT

Gasoline-Range Petroleum Hydrocarbons

<5.0

5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

\*Sample was analyzed within the holding times, however, due to instrument problems and

QC failure, the sample had to be re-analyzed to verify results.

Reported By:



Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

## **DIESEL RANGE ORGANICS - DRO**

## **ENERGEN RESOURCES**

Project ID:

Jicarilla 98-3A

Sample ID:

Landfarm Comp #1

Lab ID:

0398G07287

Cool/Intact

Sample Matrix: Condition:

Soil

Report Date:

12/30/98

Date Sampled:

12/09/98

Date Received:

12/11/98

Date Analyzed:

12/23/98

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RESULT

**DETECTION LIMIT** 

Diesel-Range Petroleum Hydrocarbons

49

5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:



# CHAIN OF CUSTODY RECORD

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1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945			e de la de Mandelle de La della dell		en again de agus de l'obm commune de l'observation de l'agus de l'observation de l'agus de l'observation de l'agus de l'observation de l'obser	(who)	12-81											12.2.8.2.2	Date Time L	y langues -	194	Resources	Ù.	
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