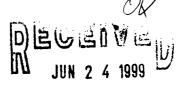
Denny S. Tout DEPUTY OIL & GAS INSPECTOR

AUG 0 9 1999

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



OIL CON. DIV.

Fifty Evec

Pit Remediation and Closure Report Operator: Taurus Exploration U.S.A., Inc Telephone: (505) 325-6800 Address: 2198 Bloomfield Hwy, Farmington, NM 87401 Facility or Well Name: Jicarilla 183-3 Location: Unit or Qtr/QTR Sec "L" Sec 28, T 23 N, R 3 W County Sandoval Pit Type: Separator: Dehydrator: Other: X - Abandoned Separator Pit Land Type: Range Pit Location: Pit dimensions: length: 30 ft width: 30 ft depth: 8 ft (Attach Diagram) Reference: wellhead: X other: Footage from reference: 20 feet Direction from reference: 50 Degrees X East North South West Depth To Groundwater: 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) high water elevations of groundwater) Distance to an Ephemeral Stream: Less than 100 feet (10 points) (Downgradient dry wash greater than Greater than 100 feet 0 (0 points) ten feet in width) Distance to Nearest Lake, Playa, or Watering Less than 100 feet (10 points) Pond: (Downgradient lakes, playas, and Greater Than 100 feet (0 points) livestock or wildlife watering ponds) Wellhead Protection Area: Yes (20 points) (Less than 200 feet from a private No (0 points) domestic water source, or less than 1000 feet from all other water sources) Distance To Surface Water: Less than 100 feet (20 points) (Horizontal distance to perennial 100 feet to 1000 feet (10 points) lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0 irrigation canals and ditches.)

RANKING SCORE (TOTAL SCORE):

0

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

Pit Remediation and Closure Report

Date Remediation Started:	9/2/98	Date Completed	d 9/3/98	
Remediation Method:	Excavation:			250
(Check all appropriate	Landfarmed:	X	_Approx. cubic yards: Insitu Bioremediation	
sections)	Other:		HISILU DIOI GITICUIALIOI	1:
Remediation Location:	Orner. On-site:	~	_ Off-site:	
(i.e. landfarmed on site,	OII-Site.	×	OII-Site.	
name and location of				
off site location)				
General Description of Remedial	A otion:	Soil was aveaus	thad and landfarmed a	- Incolina
General Description of Remodian	ACHOII.	Sui Mas evrans	ited and landfarmed o	n location.
Groundwater Encountered:	No: X	Yes:	Depth:	
Final Pit	Sample location	1: Pit Bottom @ 8	feet below surface. P	Pit
Closure Sampling:			ce (see attachment).	
(If multiple samples,		,	,	
attach sample results				
and diagram of sample	Sample depth:	8 feet		
locations and depths.)	Sample date:	9/3/98	Sample time:	11:30
Sample Results:	•	<u> </u>		11.00
Soil:			Water:	
Benzene (ppm)	0.338	-	Benzene (ppb)	
Total BTEX (ppm)		-	Toluene (ppb)	
Field Headspace (ppm)		- Et	hylbenzene (ppb)	
TPH (ppm)		_	otal Xylenes (ppb)	
	Yes:	_	No: X	
(If yes, attach sample results.)		-	140.7.	
I HEREBY CERTIFY THAT TH	E INFORMATION	ON ABOVE IS T	RUE AND COMPLE	TE TO
THE BEST OF MY KNOWLED				
				ļ
DATE: 10/16/98			Frank McDonald	
A) a	11/1			
SIGNATURE! Front (1)	151/m//	AND TITLE:	Env. Division Man	nager
	1-11			<u> </u>
AFTER REVIEW OF THE PIT (CLOSURE INF	ORMATION PIT	CLOSURE IS APP	ROVED
IN ACCORDANCE TO THE JIC				
APPROVED: Yes: 🔀	No:	(Reason)		:
	/	10	,	
SIGNED: X == C >	nank	<u>L</u>	DATE: 10/27/	98

1 . 5 2		A sample from the center bottom at 8' was sent to IML for GRODRO and BTEX analysis.	Comments Top soil - 8' Soil a moist, brown, sandy - loam with some orange colored staining and a moderate HC odor.		a. 5000	Nearest Ephemeral Stream: 210002 9	\vdash	>1000	>100' G	5 CBm @ 8"	4 W Wn# @ 6"	Irritial Size : 20' x 20' x 1' deep 3 E Wall @ 6'	Z ************************************	ator Pit Sample # Location		Range: 3W Township: 23 N	Quad: L Section: 28	Location: Jicarilla 183 # 3
	Pit Profile : East to West : South East	Road	or.	Meter Run		<u></u>			Surface Gradient			Abandoned		MANO	\	Wellhead	//	Overview or Location and Sampling:

Environmental Specialist: YC

Cimarron Oilfield Services

Page 1 of 1

Reference:

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:	Jicarilla 183 #3 Sep. Pit	Report Date:	09/21/98
Sample ID:	C. Bottom @ 8'	Date Sampled:	09/03/98
Lab ID:	0398G05142	Date Received:	09/04/98
Sample Matrix:	Soil	Date Analyzed:	09/17/98
Condition:	Cool/Intact	-	

Total Purgeable Hydrocarbons	272	5.0 mg/kg
Gasoline-Range Petroleum Hydrocarbons	262	5.0 mg/kg
TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT

ND - Analyte not detected at the stated detection limit.

Comments:			

eported By: Reviewed By

2506 W Main Street Farmington, New Mexico 87401

DIESEL RANGE ORGANICS - DRO

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla 183 #3 Sep. Pit

Sample ID: Lab ID:

C. Bottom @ 8' 0398G05142

Sample Matrix:

Soil

Condition:

Cool/Intact

Report Date:

09/21/98

Date Sampled: Date Received:

09/03/98

09/04/98

Date Analyzed:

09/17/98

Diesel-Range Petroleum Hydrocarbons	<5.0	5.0 ma/ka
TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Réported By:

VOLATILE AROMATIC HYDROCARBONS

Taurus Exploration U.S.A., Inc.

Project ID:

Jicarilla 183 #3 Sep. Pit

09/21/98

Sample ID:

C. Bottom @ 8'

Report Date:

Lab ID:

0398G05142

Date Sampled: 09/23/98 Time Sampled: 11:30

Sample Matrix:

Soil

Date Received: 09/04/98

Condition:

Cool/intact

Date Extracted: NA Date Analyzed: 09/18/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	354	10.0
Toluene	2301	50.0
Ethylbenzene	207	50.0
m,p-Xylenes	800	50.0
o-Xylene	363	50.0

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

Bromofluorobenzene

55%*

70%-130%

Reference:

Method 5030, Purge and Trap; Method 8021B, Aromatic Volatile Organics; Test

Methods for Evaluating Solid Wastes, SW-846, United States Environmental

Protection Agency, Revision 2, December, 1996.

Comments:

*Surrogate recovery failed due to matrix interferences.



CHAIN OF CUSTODY RECORD

1633 Terra Avenue Sheridan, Wyoming Telephone (307) 67	נ	neminer of tempiner	July Tark	Relinquished by: (Signature)	The state of the s	Relinquished												}	J. 188 4	Sam Identi	Sampler: (Signature)	Taurus	Client/Project Name	רמטיימטיו
Lal 1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945		y: (oignature)	-	y: (Signature)		Relinquished by: (Signature)											/		183 #3 (Btmax	Sample No./	gnature)	"5 L-x)/0	≭ Name	אין אור.
1701 Phillips Circle Gillette, Wyoming 8 Telephone (307) 68)		1111	, >>\	À	1	1	 							/	/			11 03/6/13	Date T		Cetion		
☐ 1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	Inte						7							/	/				//: 30	Time L:		HSH.		
<u>\</u>	ř-Mour																			Lab Number	Chain of	Inc	9	
€]. 2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	itain La	Date	2/4/10	Date	4/3/59	Date						-	/							<u> </u>	Chain of Custody Tape No.	Jiarilla	Project Location	
n Street 1 87401) 326-4737	Inter-Mountain Laboratories,	Time	15/5	Time	59 17:40	Time			•										50/1	Matrix	pe No.	183 #3	ion	
1160 Res Bozeman Telephone	ies, Inc.	Received			IJuga (i	Received																3 Septiming		
1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	•	by laborate		i by: (Signature)	authu	Received by: (Signature)				-	7								\	No. of Contain	ers			
9 59718 -8450		laboratory: (Signature)		lure)	ludzwinc	lure)			/	_									1	8020 8020 131	IDRO	AN	1	
11183 State Hwy. 30 College Station, TX 7 Telephone (409) 776		lure)							/										1	137	Tut /	ANALYSES / PARAMETERS		
☐ 11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945		*					/		7													/PARAN		
7845 8945							i	A A m	Tard.												Remarks	METERS		
54127		Date 9-4-73		Date	9/3/98	Date		ddel	into			*1									κs			
27		15/5		Time	171-10	Time			t															

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, Farming	ton N.M. 87401									
Facility or Well Name: <u>Jicarilla 183 - 3</u>										
Location: Unit or Qtr/Qtr Sec_L_Sec_2	28 T 23 N R 3 W County Sandoval									
Land Type: Range										
Date Remediation Started: 9/02/98 Da	te Completed: <u>11/18/98</u>									
Remediation Method: Landfarmed X Approx. cubic yards 250										
Composted	_									
Other	_									
Depth to Groundwater: (pts)0	Final Closure Sampling:									
Distance to an Ephemeral Stream (pts) 0	Sampling Date: <u>11/18/98</u> Time: <u>1645</u>									
Distance to Nearest Lake, Playa, or Watering Pond (pts)0	Sample Results:									
Wellhead Protection Area (pts)0	Field Headspace (ppm) <u>.4</u> TPH (ppm) <u><10</u> Method <u>8015</u>									
Distance to Surface Water (pts)0	Other:									
RANKING SCORE (TOTAL POINTS): 0										
KNOWLEDGE AND BELIEF DATE: 12/16/98 PRINTED	I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
SIGNATURE / May	AND TITLE ENV. SPECIALIST									
AFTER REVIEW OF THE SOIL REMEDIATION INFOI APPROVED IN ACCORDANCE TO THE JICARILLA A APPROVED: YESNO (REASON)	APACHE TRIBE PIT CLOSURE ORDINANCE.									
SIGNED: YES NO (REASON) We as Backfull DATE: 12-78-98										

Taurus Exploration USA Inc.

Date Started: September 2, 1998 Date Completed: November 18, 1998

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

2506 West Main Street, Farmington, NM 87401

GASOLINE RANGE ORGANICS - GRO

TAURUS EXPLORATION U.S.A., INC.

Project ID:

Jicarilla 183-3

Sample ID:

Land Farm Comp #1

Lab ID:

0398G06801

Cool/Intact

Sample Matrix:

Condition:

Soil

Report Date:

12/15/98

Date Sampled:

11/18/98

Date Received:

Date Analyzed:

11/20/98 12/08/98

TPH GAS	S-RANGE	(MOD E	PA 8015)

RESULT

DETECTION LIMIT

Gasoline-Range Petroleum Hydrocarbons

<5.0

5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

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

2506 West Main Street, Farmington, NM 87401

DIESEL RANGE ORGANICS - DRO

TAURUS EXPLORATION U.S.A., INC.

Project ID:

Jicarilla 183-3

Report Date:

12/15/98

Sample ID:

Land Farm Comp #1

Date Sampled:

11/18/98

Lab ID:

0398G06801

Date Received:

11/20/98

Sample Matrix:

Soil

Date Analyzed:

12/04/98

Condition:

Cool/Intact

TPH DIESEL-RANGE (MOD EPA 8015) RESULT DETECTION LIMIT
ITPH DIESEL-RANGE (MOD EPA 8015) 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

1633 Terra Avenue 1701 Sheridan, Wyoming 82801 Gillet	Relinquished by: (Signature)	elinquished by: (Signature)			OMP. #	Sand Farm 11-18-98	Sample No./ Identification Date	Sampler: (Signature)	Client/Project Name
Inter-Mo Int						1645	Time Lab Number	Chair	Cation
Inter-Mountain Laboratories, Inc.	Date Time	Date Time				50,1	nber Matrix	dy Tap	Project Location Sic. 183-3
es, Inc. 1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	Received by laboratory: (Signature)					- X	No. of Containe	ore	
U 11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945	nature)			Dec.				Rei	ANALYSES / PARAMETERS
57898	Date Time			The took				Remarks	RS