

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

CODY

AUG 3 9 1999

OIL CON. DIV.

Pit Remediation and Closure Report

1-1/2/20vel

	<u> </u>					
Operator:	Taurus Explorati	on U.S.A., Inc	Telephone:	(505)	325-6800	
Address:	2198 Bloomfield	Hwy, Farming	ton, NM 87401	غ جانا هوريا 	مانغینی و بدامریون وای در	process and a second of the contract of
acility or Wel		Jicarilla 95-10			<u> </u>	
ocation:	Unit or Qtr/QTR	Sec "O" Sec				Rio Arriba
Pit Type:	Separator:	Dehydrator:	Other: X - A	bandoned	Separator F	Pit
_and Type:	Range					
Pit Location:	Pit dimensions:	length: 25 ft	width: 25 ft	depth	: 5 ft	•
Attach Diagra	ım)					
	Reference:	wellhead: X	other:			_
Foota	age from reference:	100				
	ion from reference:		Degrees	X East	North	X
					of	
				West	South	
Depth To Gro	undwater:		Less than 50) feet	(20 points)	
(Vertical dista			50 feet to 99) feet	(10 points)	
contaminants		C	Greater than 100) feet	(0 points)	0
high water ele						
groundwater)						
,						
Distance to ar	n Ephemeral Stream	n:	Less than 100) feet	(10 points))
	nt dry wash greater		Greater than 100) feet	(0 points)	0
ten feet in wid						
	,					
Distance to N	earest Lake, Playa,	or Watering	Less than 100	O feet	(10 points))
ł	gradient lakes, play		Greater Than 100	O feet	(0 points)0
	ildlife watering pon					
	. .	·				
l Wellhead Pro	tection Area:			Yes	(20 points)
1	00 feet from a privat	e		No	(0 points)0
1,	er source, or less th					
1	m all other water so					
Distance To	Surface Water:		Less than 10	0 feet	(20 points)
ll	istance to perennia	1	100 feet to 100	0 feet	(10 points	5)
11`	rivers, streams, cr		reater than 100	0 feet	(0 points	5)0
15	als and ditches.)					
Hiriganon can	a. a					



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

Pit Remediation and Closure Report

Date Remediation Started:	6/15/98	Date Completed	6/16/98
Remediation Method:	Excavation:	X	Approx. cubic yaı 100
(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	n: Piit Bottom @ 5	feet below surface. Pit walls
Closure Sampling:	were analyzed f	or Headspace (se	ee attachment).
(If multiple samples,			
attach sample results			
and diagram of sample	Sample depth:	5 feet	
locations and depths.)	Sample date:	6/16/98	Sample time: 1010
Sample Results			
Soil:		-	Water:
Benzene (ppm)		_	Benzene (ppb)
Total BTEX (ppm)		_	Toluene (ppb)
Field Headspace (ppm)	91	-	hylbenzene (ppb)
TPH (ppm)	33	_ To	otal Xylenes (ppb)
Groundwater Sample:	Yes:	-	No: X
(If yes, attach sample results.)			
I HEREBY CERTIFY THAT TH	HE INFORMAT	ION ABOVE IS	TRUE AND COMPLETE TO
THE BEST OF MY KNOWLE	DGE AND BELI	IEF	
DATE: 7/27/98			Frank McDonald
	-1110	20	
SIGNATURE: (for	11/2/ July	✓AND TITLE:	Env. Division Manager
AFTER REVIEW OF THE PIT	CLOSURE IN	FORMATION PI	T CLOSURE IS APPROVED
IN ACCORDANCE TO THE J	ICARILLA APA	CHE TRIBE PIT	CLOSURE ORDINANCE
APPROVED: Yes:	No:	(Reason)	
12 070) (1	^	5-21-98
SIGNED:	1cm		DATE: 7-27-78

Client:

Taurus Exploration U.S.A. Inc.

Date Started : ___

June 15, 1998 Date Completed : ___

June 16, 1998 .

Environmental Specialist: VC

Cimarron Oilfield Services

Page 9 1



2506 W. Main Street Farmington, New Mexico 87401

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration

Project ID:

Jicarilla 95 #10

Report Date:

06/25/98

Sample ID:

Jic 95-10 Center Bottom @ 5'

Date Sampled:

06/16/98

Lab ID:

0398G03335

Date Received:

06/17/98

Sample Matrix:

Soil

Date Analyzed:

06/19/98

Condition:

Cool/Intact

		OF TO TON LIMIT
TPH GAS-RANGE (MOD EPA 8015) Rest	ult (mg/Kg)	DETECTION LIMIT

Gasoline-Range Petroleum Hydrocarbons

ND

5.0 mg/kg

Total Volatile Petroleum Hydrocarbons

ND

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reviewed By:



2506 W. Main Stree Farmington, New Mexico 87401

DIESEL RANGE ORGANICS - DRO

Taurus Exploration

Project ID:

Jicarilla 95 #10

Sample ID:

Jic 95-10 Center Bottom @ 5'

Lab ID:

0398G03335

Sample Matrix: Condition:

Soil

Cool/Intact

Report Date:

06/23/98

Date Sampled: Date Received:

06/16/98

Date Analyzed:

06/17/98 06/23/98

TPH DIESEL-RANGE (MOD EPA 8015)

RESULT

DETECTION LIMIT

Diesel-Range Petroleum Hydrocarbons

33

5.0 mg/kg

Quality Control -Spike Recovery

%

QC Limits

Diesel Fuel

101

20-150

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

Reported By:

Reviewed By:

COPY CHAIN OF CUSTODY RECORD

							_						 	 		 _									
1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945]		Relinquished by: (Signature)	Juna / de race co	Relinquished by: (Signature)		delinquished by: (Signature)										/	J. 95-10 -11 MATE	Identification D	Completio			Times day heating	Client/Project Name	Laboratories, Inc.
1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	ā			J.//	<u> </u>									/	/			131.00	Date Time	Ó	,		1171 100		
	Inter-Mou																		Lab Number			Chain o			
2506 West Main Street Farmington, NM 87401 Tolophone (505) 326-4737	Inter-Mountain Laboratories, Inc.		Date Time	6/17/98 839	Date Time	1011	Date Time											1000	er Matrix			Chain of Custody Tape No.	1 22.11/2 30 1	Project Location	
1160 Research Drive Bozeman, Montana 59718 Telephone (406) 586-8450	ries, Inc.	- Cars	Received by laboratory: (Signature)	┼	Received by: (Signature)	- Kinal Idea	Received by: (Signature)											7	No Co	o. of ontain	_		10		, de la companya de l
11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945	ב `	ic ymen	gnature)			((: 11()			/	hand	Cool	\										/ / Remarks	ANALYSES / PAHAMETERS		
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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	on N.M. 87401
Facility or Well Name: <u>Jicarilla 95-10</u>	
Location: Unit or Qtr/Qtr Sec O Sec 2	26 T 27 N R 3 W County Rio Arriba
Land Type: Range	
Date Remediation Started: 6/15/98 Date	te Completed: 12/3/98
Remediation Method: Landfarmed X	Approx. cubic yards100
Composted	
Other	-
Depth to Groundwater: (pts) 0	Final Closure Sampling:
Distance to an Ephemeral Stream (pts)0	Sampling Date: <u>12/3/98</u> Time: <u>09:32</u>
Distance to Nearest Lake,	Sample Results:
Playa, or Watering Pond (pts)0	Field Headspace (ppm) 0.2
Wellhead Protection Area (pts)0	TPH (ppm) <10 Method 8015
Distance to Surface Water (pts)0	Other:
RANKING SCORE (TOTAL POINTS): 0	
	OVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEDGE AND BELIEF	
DATE: 1/6/99 PRINTED NA	VIRGIL CHAVEZ
SIGNATURE / M	AND TITLE ENV. SPECIALIST
AFTER REVIEW OF THE SOIL REMEDIATION INFO	RMATION. ON-SITE SOIL REMEDIATION IS
APPROVED IN ACCORDANCE TO THE JICARILLA APPROVED: YES NO (REASON)_	WE as Rue Kill
	ATE: 1-7-98

Size Pit: Quad: Yds: Environmental Specialist : JE Comments: Soil is moist, pale brown,sandy/loam, with no visible staining or detectable hydrocarbon odor.

A sample from composite # 1 was sent to IML for GRO/DRO analysis. Reference 85' S 20 E from Township: Location : Jicarilla 95-10 5 - Point Composites 6 25' x 30' x 1' wellhead. Separator Pit 27 N 0 Range Section: Sample # | Location 3 W 26 12 10 ω Comp 1 OVM 0.2 Overview of Landfarm and Sampling road meter run production tank seperator well head land farm þ north

Client:

Taurus Exploration USA Inc.

Date Started: June 15, 1998 Date Completed: December 3, 1998

Ranking Score: 0 Closure Standard: 5000 ppm

Cimarron Oilfield Services

Page _1_ of _1



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

GASOLINE RANGE ORGANICS - GRO

ENERGEN RESOURCES

Project ID: Sample ID: Jicarilla 95-10 Sep. Pit Landfarm Comp #1

Lab ID:

0398G07045

Sample Matrix:

Soil

Condition: Cool/Intact

Report Date: Date Sampled: 12/31/98 12/03/98

Date Received:

12/07/98

Date Analyzed:

12/24/98*

TPH GAS-RANGE (MOD EPA 80'			-												-				_						_				_	
IT DH 1405 KANGE (MIJU EPA OU	ŁŒ		п	о	- 1	1	- 1	3		Е		•	•				*1		٠.			-	- 10		-	~	- 3	-	=	
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		34.5	400					44					•	а.			٠.,	. •	ю.		v.	ж.		m.		v		11	•	

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 was re-analyzed to verify results.

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

2506 West Main Street, Farmington, NM 87401

DIESEL RANGE ORGANICS - DRO

ENERGEN RESOURCES

Project ID:

Jicarilla 95-10 Sep. Pit

Sample ID:

Condition:

Landfarm Comp #1

Lab ID:

0398G07045

Sample Matrix:

Soil

Cool/Intact

Report Date:

12/29/98

Date Sampled:

12/03/98

Date Received:

12/07/98

Date Analyzed:

12/17/98

TPH DIES	 		A A 4 60 1
TOUR POST C	4-1 - 686 - 1 1 xb 2	実験 一ラクラバ	HIITSI
1		37 SEE 100 SE	UUIUI

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

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