

OIL CON. DIV. DIST. 3

Jicarilla Apache Tribe

Denny & Fout DEPUTY OIL & GAS INSPECTOR

Environmental Protection Office

P.O. Box 507

Dulce, New Mexico 87528

AUG 0 5 1999

Pit Remediation and Closure Report

Operator:	Taurus Explorat	ion U.S.	A., Inc	Teleph	one:	(505)	325-6800		
Address:	2198 Bloomfield	Hwy, F	armingt	on, NM 87	401				
Facility or Well	Name:	Stromb	erg # 8						
Location:	Unit or Qtr/QTR	Sec "I"	Sec 2	9, T 23 N ,	R3W	Coun	ty	San	doval
Pit Type:	Separator:	Dehyd	rator:	Other: 2	K - Aban	doned	Separator	Pit	
Land Type:	Range								
Pit Location:	Pit dimensions:	length:	15 ft	width: 1	5 ft	depth	: 9 ft		
(Attach Diagram	1)								
	Reference:	wellhea	ad: X	other:				_	
Footag	e from reference:		25'	· · · · · · · · · · · · · · · · · · ·		-	-	_	
Directio	n from reference:		90	Degree	s >	East	North	X	
							of		
				···		_West	South		···
			¥ ~~						
Depth To Groun				Less that	n 50 feet		(20 points)		
(Vertical distanc				50 feet to			(10 points)		
contaminants to			Gre	eater than	100 feet		(0 points)		0
high water eleva	ations of								
groundwater)									
Distance to an E	•) feet		(10 points)		
(Downgradient o	dry wash grea				J feet		(0 points)		0
ten feet in width)								
Distance to Nea	rest Lake, Playa,	or Wate	any.)0 feet		(10 points)		
Pond: (Downgra	dient lakes, playa	s, and	Grea	ater Than	100 feet		(0 points)		0
livestock or wild	life watering pond	s)							
Wellhead Protect	ction Area:				Yes		(20 points)		
(Less than 200 f	eet from a private				No		(0 points)		0
*	source, or less tha						(
	Il other water sou								
Distance To Sur	face Water:		ı	ess than	100 feet		(20 points)		
	nce to perennial			Difeet to 1			(10 points)		
•	ers, streams, cree	eks.		ter than 1			(10 points) (0 points)		0
irrigation canals		,	J. 30		,		(o ponito)		
	,		R	ANKING S	CORE (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:	9/3/98	Date Completed	9/3/98	
Remediation Method:	Excavation:	Х	Approx. cubic yaı	70
(Check all appropriate	Landfarmed:	X	Insitu Bioremediati	 on;
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	: Pit bottom @ 9 fe	eet below surface.	All walls were
Closure Sampling:		tested for field H	eadspace (see atta	chment).
(If multiple samples,				· · ·
attach sample results				
and diagram of sample	Sample depth:	9 feet		
locations and depths.)	Sample date:	9/3/98	Sample time:	10:45
Sample Results:	,		· · -	
Soil:			Water:	
		-	Benzene (ppb)	
Total BTEX (ppm)	• • •	-	Toluene (ppb)	
Field Headspace (ppm)		- Eth	nylbenzene (ppb)	
TPH (ppm)			tal Xylenes (ppb)	<u> </u>
Groundwater Sample:	Yes:	•	No: X	
(If yes, attach sample results.)		-		
,				
I HEREBY CERTIFY THAT TH	E INFORMATION	ON ABOVE IS T	RUE AND COMP	LETE TO
THE BEST OF MY KNOWLED				
DATE: 10/16/98			Frank McDonald	t
	hil			-
SIGNATURE	K//m/ll	AND TITLE:	Env. Division Ma	anager
	17 20 3			3-
AFTER REVIEW OF THE PIT	CLOSURE INF	ORMATION PIT	CLOSURE IS AF	PROVED
IN ACCORDANCE TO THE JI				_
APPROVED: Yes: 💢	No:	(Reason)		
		· · · · · · · · · · · · · · · · · · ·		
SIGNED: X=C)	No CC)	DATE: 10 27	98

Pit Profile: North to South: Comments: Top soil . 9" Soil is moist, brown, light brown sandy -TPH Closure Standard EPO Ranking Score: Nearest Ephemeral Stream: >1000; Nearest Surface Water: Nearest Water Source: Depth to Groundwater Yds. Excava:ed: 70 cy Initial Size: 10'x 10'x 1'deep Final Size: 15'x 15'x 9'deep Reference: 25' East Range Pit: Abandoned Separator Pit Quad ocation : North 3 ₹ from wellhead for GRO/DRO analysis. A sample from the center bottom at 9' was sent to IML loam with no staining, but a minor odor. Stromberg # 8 Township: Section >1000 ×1000 5000 ×180 0 O Sample # 23 N ಸ 10 ø 29 N N. Wall @ 7'
S. Wall @ 7'
E. Wall @ 7'
W. Wall @ 7' CBm@9 Location South d Ş 16.9 92 <u>_</u> Pit Profile : East to West : Overview of Location and Sampling: Entrance East Separator Wellhead Meter Run ω Separator Pit 5 Surface Gradient 20 West ą

Environmental Specialist: VC

Cimarron Oilfield Services

Page _1 of _1

2506 W Main Stree Farmington, New Mexico 87401

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:

Stromberg #8 Sep. Pit

Sample ID: Lab ID:

C. Bottom @ 9' 0398G05141

Cool/Intact

Sample Matrix:

Condition:

Soil

Report Date:

09/21/98

Date Sampled: Date Received: 09/03/98

09/04/98

Date Analyzed:

09/17/98

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		And the second second second second									

Gasoline-Range Petroleum Hydrocarbons

<5.0

5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:

2506 W. Main Street Farmington, New Mexico 87401

DIESEL RANGE ORGANICS - DRO

Taurus Exploration U.S.A., Inc.

Project ID: Sample ID:

Stromberg #8 Sep. Pit

Lab ID:

C. Bottom @ 9' 0398G05141

Sample Matrix:

0398605

Condition:

Soil Cool/Intact Report Date:

09/21/98

Date Sampled: Date Received:

09/03/98

Date Analyzed:

09/04/98 09/17/98

TPH DIESEL-RANGE (MOD EPA 8015)	SULT DETECTION I IMIT
	ESULT DETECTION LIMIT
Diocal Dongs Details and Units 1	

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 Sheridan, Wyoming 82801 Telephone (307) 672-8945			Relinquished by: (Signature)	Jun Kayothina	Relinquished by: (Signature)	1/2/1	Relinquished by: (8ignature)								1.5 W. A. T. W. W. C. K. IM. C. L.		Sample No./	1221	Sampler: (Signature)	X	Client/Drainst Nama
1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945													/		50.01 845.11	-	C Time		<i>J</i> ,	biation USA	
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2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	Inter-Mountain Laboratories, Inc.		Date Time	11/16/151	Date Tin	12	Date Ti								201		,,,		Chain of Custody Tape No.	Strom bers # 8	
	ories, Inc.			15	Time Received by: (Signature)	17.35 July 1	Time Received by: (Signature)										Matrix			2 Sparator, +	
		haza)	Received by laboratory: (Signature)		(Signature)	CICLE A THEN C	(Signature)		/						7		No. of Contain				
11183 State Hwy. 30 College Station, TX 77845 Telephone: (409) 776-8945		20	ure)	And the second of the second o					()										Rem	ANALYSES / PARAMETERS	-
82113		9-4-98 1515	Date Time		Date Time	JE 11 20/1/	Date Time	or odel	inta of										Remarks	₹ 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, Farming	ton N.M. 87401
Facility or Well Name: <u>Jicarilla Strombers</u>	g <u>8</u>
Location: Unit or Qtr/Qtr Sec_I_Sec_2	9 T 23 N R 3 W County Sandoval
Land Type: Range	
Date Remediation Started: 9/3/98 Date	Completed: 11/18/98
Remediation Method: Landfarmed X	Approx. cubic yards70
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>1600</u>
Distance to Nearest Lake,	Sample Results:
Playa, or Watering Pond (pts)0	Field Headspace (ppm) 1.2
Wellhead Protection Area (pts) 0	TPH (ppm) <10 Method 8015
Distance to Surface Water (pts)0	Other: (ppin) <10 Method 8013
RANKING SCORE (TOTAL POINTS): 0	Other.
I HEREBY CERTIFY THAT THE INFORMATION ABOUNDEDGE AND BELIEF DATE: 12/16/98 PRINTED I	OVE IS TRUE AND COMPLETE TO THE BEST OF MY NAMEVIRGIL CHAVEZ
SIGNATURE Juj Cha	AND TITLE ENV. SPECIALIST
AFTER REVIEW OF THE SOIL REMEDIATION DEFORM APPROVED IN ACCORDANCE TO THE JICARILLA A APPROVED: YESNO (REASON)	1 /1
SIGNED: LE C'Mall DA	TE: <u>/2-28-98</u>

Environmental Specialist : JE Yds: Size Pit Quad: Comments: Reference 60' S 10 W from Township: Location: Jicarilla Stromberg 8 5 - Point Composites 70 35' x 35' x 1' wellhead. Separator Soil is moist, light brown, sandy/loam, with no visible staining and no hydrocarbon odor. A sample from composite # 1 was sent to IML for GRO/DRO analysis. 23 N Range Section : Sample # | Location 3 W 6 29 9 8 တ Comp 1 MVO Overview of Landfarm and Sampling: Separator Landfarm Met er Run Well head Separator Fit North

Taurus Exploration USA Inc.

Date Started September 3, 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-Stromberg 8

Sample ID:

Land Farm

12/15/98

Lab ID:

0398G06799

Date Sampled: 11/18/98

Report Date:

Sample Matrix:

Soil

Date Received: 11/20/98 Date Analyzed: 12/08/98

Condition:

Cool/Intact

TPH GAS-RANGE (MOD EPA 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:

Reported By:

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-Stromberg 8

Report Date:

12/15/98

Sample ID:

Land Farm

Date Sampled:

11/18/98

Lab ID:

0398G06799

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
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

Client/Project Name Client/Project Location Sample: (Signature) Sample No. Date Time Lab Number Lab Number Matrix Soil Languished by: (Signature) Inter-Mountain Laboratories, linc. ANALYSES / PARAMETERS Remarks Soil Remarks Soil Remarks Soil Time Reperved by: (Signature) Inter-Mountain Laboratories, linc.	57699	11183 State Hwy. 30 College Station, TX 77845 Telephone (409) 776-8945		2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	rcle 250e 1g 82718 Farn 1682-8945 Tele	1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945
Project Location Tic Stronbers Chain of Custody Tape No. Chain of Custody Tape No. Date Time Lab Number Matrix Soil Date Time Date Date Time Received by: (Signature) Date Time Received by: (Signature)			es. Inc.	ain Laboratori	Inter-Mount		
Project Location Tic. Stromber & ANALYSES / PARAMET Chain of Custody Tape No. Date Time Lab Number Matrix Score Gray S		nature)	Received by laboratory: (\$ign				Helinquisned by: (Signature)
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Date Time Lab Number Matrix Soil I Octobers So	1		Received by: (Signature)			7	relinquished by: (Signature)
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