

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

AUG 09 1999

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

OK
RECEIVED
JUN 24 1999


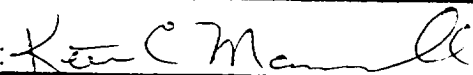
OIL CON. DIV.
DIST. 3

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:	Stromberg 6-Y						
Location:	Unit or Qtr/QTR Sec "C" Sec 34, T 23 N, R 3 W County			Rio Arriba			
Pit Type:	Separator:	Dehydrator:	Other: X - Abandoned Separator Pit				
Land Type:	Range						
Pit Location:	Pit dimensions:	length: 15 ft		width: 15 ft		depth: 10 ft	
(Attach Diagram)							
	Reference:	wellhead: X		other:			
	Footage from reference:	70 feet					
	Direction from reference:	20	Degrees	East	North		
					of		
				X West	South	X	
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)		0		
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 points)		0		
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)		0		
livestock or wildlife watering ponds)							
Wellhead Protection Area:	Yes		(20 points)				
(Less than 200 feet from a private	No		(0 points)		0		
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		

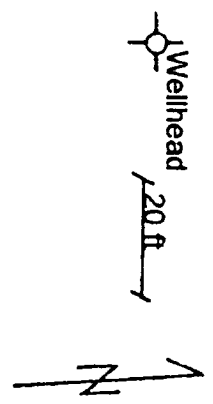
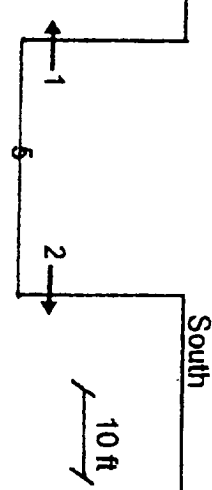
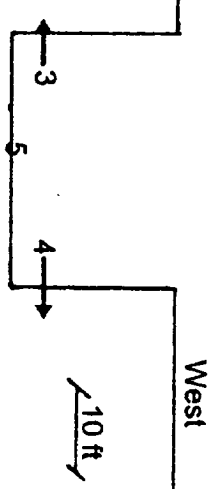
Jicarilla Apache Tribe
Environmental Protection Office
P.O. Box 507
Dulce, New Mexico 87528

Pit Remediation and Closure Report

Date Remediation Started: 8/17/98		Date Completed 8/17/98	
Remediation Method: (Check all appropriate sections)	Excavation:	<input checked="" type="checkbox"/>	Approx. cubic yd 79
	Landfarmed:	<input checked="" type="checkbox"/>	Insitu Bioremediation:
	Other:		
Remediation Location:	On-site:	<input checked="" type="checkbox"/>	Off-site:
(I.e. landfarmed on site, name and location of off site location)			
General Description of Remedial Action:		Soil was excavated and landfarmed on location.	
Groundwater Encountered: No: <input checked="" type="checkbox"/> Yes: _____ Depth: _____			
Final Pit Closure Sampling: (If multiple samples, attach sample results and diagram of sample locations and depths.)	Sample location: East wall @ 8 feet below surface. Pit Bottom & walls were analyzed for Headspace (see attachment).		
	Sample depth:	8 feet	
	Sample date:	8/17/98	Sample time: 1340
Sample Results:			
<u>Soil:</u>		<u>Water:</u>	
Benzene (ppm)	_____	Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	7.4	Ethylbenzene (ppb)	_____
TPH (ppm)	<10	Total Xylenes (ppb)	_____
Groundwater Sample: (If yes, attach sample results.)	Yes: _____	No: <input checked="" type="checkbox"/>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE: 8/31/98		Frank McDonald	
SIGNATURE: 		AND TITLE: Env. Division Manager	
AFTER REVIEW OF THE PIT CLOSURE INFORMATION PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: Yes: <input checked="" type="checkbox"/> No: _____ (Reason)			
SIGNED: 		DATE: 9-2-98	

Client : Taurus Exploration U.S.A. Inc.

Date Started : August 17, 1998 Date Completed : August 17, 1998

Location : <u>Stromberg # 8 - Y</u>		Overview of Location and Sampling :																																								
Quad : <u>C</u>	Section : <u>34</u>																																									
Range : <u>3 W</u> Township: <u>23 N</u>																																										
Pit : Abandoned Separator Pit Reference : <u>70' S 20 W</u> from wellhead Initial Size : <u>15' x 15' x .5' deep</u> Final Size : <u>15' x 15' x 10' deep</u> Yds. Excavated : <u>79 cy</u>																																										
	<table border="1"><thead><tr><th>Sample #</th><th>Location</th><th>QVM</th></tr></thead><tbody><tr><td>1</td><td>N. Wall @ 8'</td><td>0.7</td></tr><tr><td>2</td><td>S. Wall @ 8'</td><td>2.8</td></tr><tr><td>3</td><td>E. Wall @ 8'</td><td>7.4</td></tr><tr><td>4</td><td>W. Wall @ 8'</td><td>1.4</td></tr><tr><td>5</td><td>C. Btm @ 10'</td><td>7</td></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr><tr><td>11</td><td></td><td></td></tr><tr><td>12</td><td></td><td></td></tr></tbody></table>	Sample #	Location	QVM	1	N. Wall @ 8'	0.7	2	S. Wall @ 8'	2.8	3	E. Wall @ 8'	7.4	4	W. Wall @ 8'	1.4	5	C. Btm @ 10'	7	6			7			8			9			10			11			12				
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11																																										
12																																										
Depth to Groundwater: <u>>100'</u>																																										
Nearest Water Source: <u>>1000'</u>																																										
Nearest Surface Water: <u>>1000'</u>																																										
Nearest Ephemeral Stream: <u>>1000'</u>																																										
EPO Ranking Score: <u>0</u>																																										
TPH Closure Standard: <u>5000</u>																																										
Comments : <u>Top soil - 6' Soil is moist, brown, loam with minimal staining and a strong hydrocarbon odor.</u> <u>6' - 10' Soil is moist, light brown, sandy/loam with no staining and a light odor.</u> <u>A sample from the east wall at 8' was sent to IML for GRC/DRO analysis.</u>																																										
Pit Profile : North to South : 		Pit Profile : East to West : 																																								

Environmental Specialist : VC

Cinarron Oilfield Services

DIESEL RANGE ORGANICS - DRO

Taurus Exploration U.S.A., Inc.


Project ID:	Stromberg 6-Y Sep. Pit	Report Date:	08/24/98
Sample ID:	E. Wall @ 8'	Date Sampled:	08/17/98
Lab ID:	0398G04561	Date Received:	08/18/98
Sample Matrix:	Soil	Date Analyzed:	08/20/98
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:

COPY

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

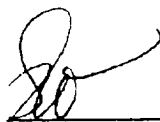
Project ID:	Stromberg 6-Y Sep. Pit	Report Date:	08/24/98
Sample ID:	E. Wall @ 8'	Date Sampled:	08/17/98
ID:	0398G04561	Date Received:	08/18/98
Sample Matrix:	Soil	Date Analyzed:	08/20/98
Condition:	Cool/Intact		

GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	<5.0	5.0 mg/kg

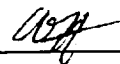
ND - Analyte not detected at the stated detection limit.

Reference:

Comments:



Reported By:



Reviewed By

COPY



CHAIN OF CUSTODY RECORD

Inter-Mountain
Laboratories, Inc.

Client/Project Name

Taurus Exploration (USA) Ltd

Project Location

Stromberg 6-Y Explorer Pit

ANALYSES / PARAMETERS

Sampler: (Signature)

Chain of Custody Tape No.

Remarks

Sample No./
Identification

Date

Time

Lab Number

Matrix

No. of
Containers

2015
GPO/DRO

Tromberg 6-Y E. Wallers'

8/17/98

13:40

Soil

1

X

intact, hand
delivered

COPY

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

8/18/98

07:10

Date

Time

Received by: (Signature)

Date

Time

8/18/98

0935

Date

Time

Received by laboratory: (Signature)

Date

Time

Inter-Mountain Laboratories, Inc.

Billy Gager

1633 Terra Avenue
Sheridan, Wyoming 82801

1701 Phillips Circle
Gillette, Wyoming 82718

2506 West Main Street
Farmington, NM 87401


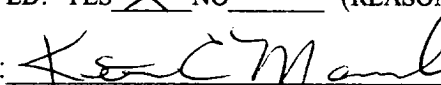
1160 Research Drive
Bozeman, Montana 59718

11183 State Hwy. 30
College Station, TX 77845

54025

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Taurus Exploration USA Inc.</u> Telephone: <u>(505) 325 - 6800</u>	
Address: <u>2198 Bloomfield Hwy, Farmington N.M. 87401</u>	
Facility or Well Name: <u>Jicarilla Stromberg 6Y</u>	
Location: Unit or Qtr/Qtr Sec <u>C</u> Sec <u>34</u> T <u>23</u> N R <u>3</u> W County <u>Sandoval</u>	
Land Type: <u>Range</u>	
Date Remediation Started: <u>8/17/98</u> Date Completed: <u>11/18/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>79</u>	
Composted <u> </u>	
Other <u> </u>	
<p>Depth to Groundwater: (pts) <u>0</u></p> <p>Distance to an Ephemeral Stream (pts) <u>0</u></p> <p>Distance to Nearest Lake, Playa, or Watering Pond (pts) <u>0</u></p> <p>Wellhead Protection Area (pts) <u>0</u></p> <p>Distance to Surface Water (pts) <u>0</u></p> <p>RANKING SCORE (TOTAL POINTS): <u>0</u></p>	<p style="text-align: center;">Final Closure Sampling:</p> <p>Sampling Date: <u>11/18/98</u> Time: <u>1630</u></p> <p>Sample Results:</p> <p>Field Headspace (ppm) <u>1.2</u></p> <p>TPH (ppm) <u><10</u> Method <u>8015</u></p> <p>Other: <u> </u></p>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE: <u>12/16/98</u> PRINTED NAME <u>VIRGIL CHAVEZ</u>	
SIGNATURE <u></u> AND TITLE <u>ENV. SPECIALIST</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE SOIL REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u> </u>	
SIGNED: <u></u> DATE: <u>12-28-98</u>	



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

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

GASOLINE RANGE ORGANICS - GRO

TAURUS EXPLORATION U.S.A., INC.

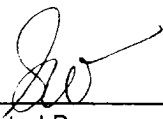
Project ID:	Jicarilla-Stromberg 6Y	Report Date:	12/15/98
Sample ID:	Land Farm Comp #1	Date Sampled:	11/18/98
Lab ID:	0398G06800	Date Received:	11/20/98
Sample Matrix:	Soil	Date Analyzed:	12/08/98
Condition:	Cool/Intact		


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:


Reviewed By:



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

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

DIESEL RANGE ORGANICS - DRO

TAURUS EXPLORATION U.S.A., INC.

Project ID: Jicarilla-Stromberg 6Y
Sample ID: Land Farm Comp #1
Lab ID: 0398G06800
Sample Matrix: Soil
Condition: Cool/Intact


Report Date: 12/15/98
Date Sampled: 11/18/98
Date Received: 11/20/98
Date Analyzed: 12/04/98

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: