

Denny & Faust
DEPUTY OIL & GAS INSPECTOR

AUG 09 1999

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

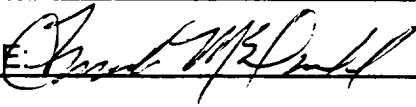
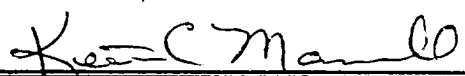
Pit Remediation and Closure Report

OK
RECEIVED
JUN 24 1999
OIL CON. DIV.
DIST. 3

Operator:	Taurus Exploration U.S.A., Inc			Telephone:	(505) 325-6800
Address:	2198 Bloomfield Hwy, Farmington, NM 87401				
Facility or Well Name:	Jicarilla 183-11				
Location:	Unit or Qtr/QTR	Sec "A"	Sec 27, 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: 20 ft width: 20 ft depth: 5 ft				
(Attach Diagram)	Reference: wellhead: X other:				
Footage from reference:	25 feet				
Direction from reference:	5	Degrees	X East	North	X
				of	
			West	South	
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

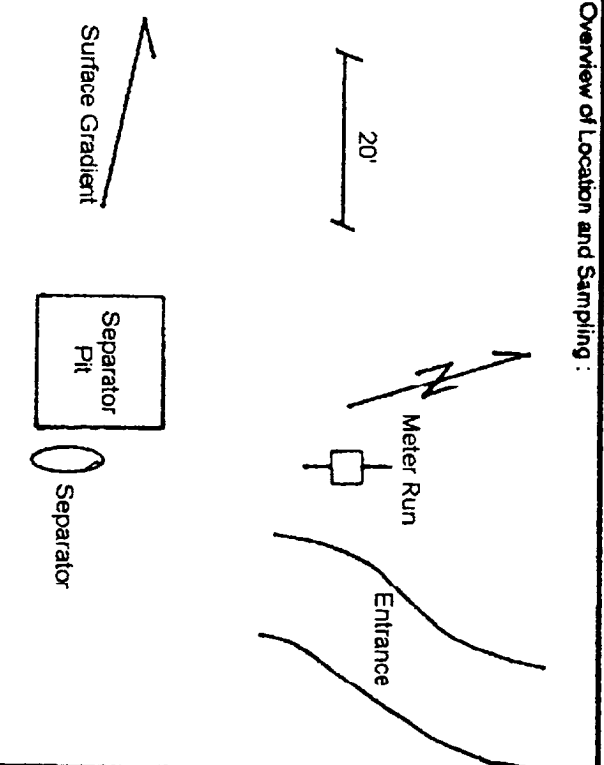
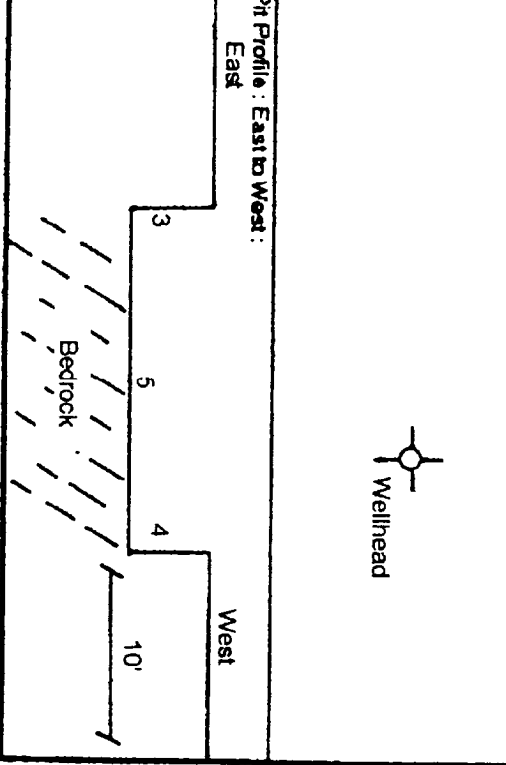
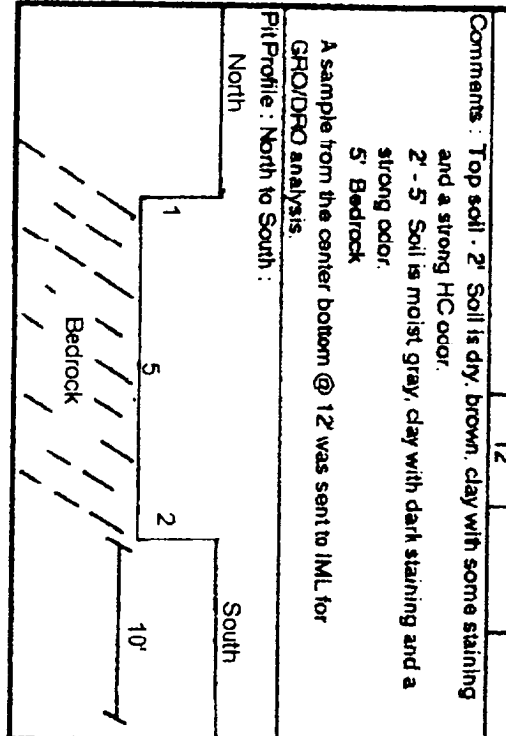
Jicarilla Apache Tribe
Environmental Protection Office
P.O. Box 507
Dulce, New Mexico 87528

Pit Remediation and Closure Report

Date Remediation Started: 9/15/98		Date Completed 9/16/98	
Remediation Method: (Check all appropriate sections)	Excavation:	<u>X</u>	Approx. cubic yards: 62
	Landfarmed:	<u>X</u>	Insitu Bioremediation:
	Other:		
Remediation Location: (I.e. landfarmed on site, name and location of off site location)	On-site:	<u>X</u>	Off-site:
General Description of Remedial Action:		Soil was excavated and landfarmed on location.	
Groundwater Encountered: No: <u>X</u> Yes: _____ Depth: _____			
Final Pit Closure Sampling: (If multiple samples, attach sample results and diagram of sample locations and depths.)	Sample location: Pit Bottom @ 5 feet below surface. Pit walls were analyzed for Headspace (see attachment).		
	Sample depth:	<u>5 feet</u>	
	Sample date:	<u>9/16/98</u>	Sample time: <u>1140</u>
Sample Results:			
<u>Soil:</u>		<u>Water:</u>	
Benzene (ppm)	_____	Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>27.2</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u><10</u>	Total Xylenes (ppb)	_____
Groundwater Sample: (If yes, attach sample results.)	Yes: _____	No: <u>X</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE: 10/16/98		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: <u>X</u> No: _____ (Reason)			
SIGNED: 		DATE: 10/27/98	

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

Date Started : September 15, 1998 Date Completed : September 16, 1998

Location : <u>Jicarilla 163 # 11</u>		Overview of Location and Sampling : 																																								
Quad : <u>A</u> Section : <u>27</u>																																										
Range : <u>3 W</u> Township: <u>23 N</u>																																										
Pit: Abandoned Separator Pit Reference : 25 N 5 E Initial Size : 15' x 15' x 1.5' deep Final Size : 20' x 20' x 5' deep Yds. Excavated : 82 cy Depth to Groundwater: >100' Nearest Water Source: >1000' Nearest Surface Water: >1000' Nearest Ephemeral Stream: 2100' EPO Ranking Score: 0 TFI Closure Standard: 5000		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample #</th> <th>Location</th> <th>OVM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N. Wall @ 4'</td> <td>1.8</td> </tr> <tr> <td>2</td> <td>S. Wall @ 4'</td> <td>1.2</td> </tr> <tr> <td>3</td> <td>E. Wall @ 4'</td> <td>2</td> </tr> <tr> <td>4</td> <td>W. Wall @ 4'</td> <td>3.8</td> </tr> <tr> <td>5</td> <td>C. Btm @ 5'</td> <td>27.2</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	OVM	1	N. Wall @ 4'	1.8	2	S. Wall @ 4'	1.2	3	E. Wall @ 4'	2	4	W. Wall @ 4'	3.8	5	C. Btm @ 5'	27.2	6			7			8			9			10			11			12		
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12																																										
Comments : Top soil - 2' Soil is dry, brown, clay with some staining and a strong HC odor. 2' - 5' Soil is moist gray, clay with dark staining and a strong odor. 5' Bedrock A sample from the center bottom @ 12' was sent to JML for GROUNDWATER analysis.		Pit Profile : East to West : 																																								
Pit Profile : North to South : 																																										

Environmental Specialist : YC

Cimarron Oilfield Services

DIESEL RANGE ORGANICS - DRO**Taurus Exploration U.S.A., Inc.**


Project ID:	Jicarilla 183 #11 Sep. Pit	Report Date:	10/02/98
Sample ID:	C. Bottom @ 5'	Date Sampled:	09/16/98
Lab ID:	0398G05518	Date Received:	09/18/98
Sample Matrix:	Soil	Date Analyzed:	09/30/98
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

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:	Jicarilla 183 #11 Sep. Pit	Report Date:	10/02/98
Sample ID:	C. Bottom @ 5'	Date Sampled:	09/16/98
Lab ID:	0398G05518	Date Received:	09/18/98
Sample Matrix:	Soil	Date Analyzed:	09/30/98
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.

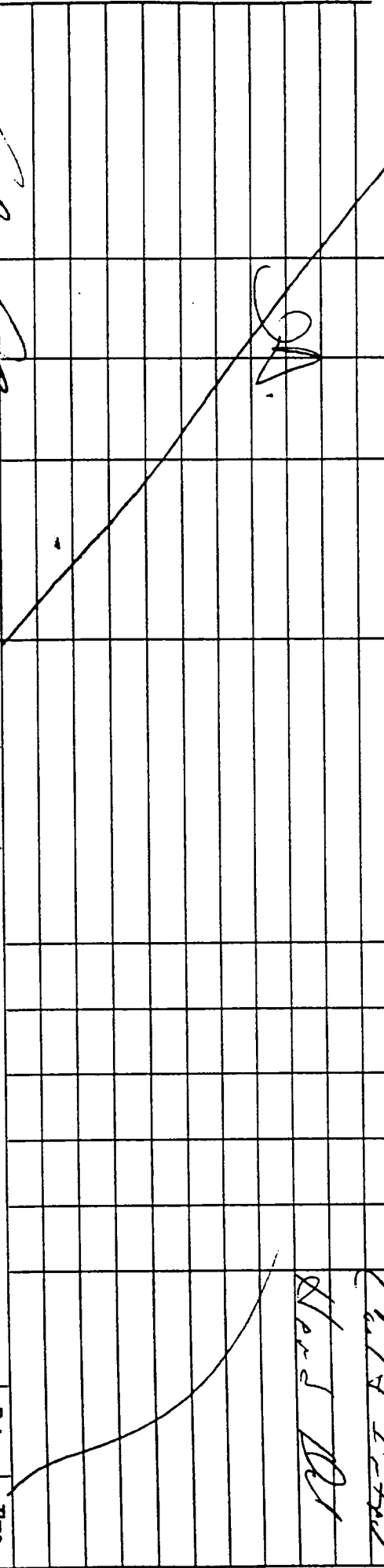
Reference:

Comments:


Reported By:


Reviewed By

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Laurus Exploration USA Inc.</i>			Project Location <i>Tierrilla 183 # 11</i>		Analyses / Parameters							
Sampler (Signature) <i>[Signature]</i>			Chain of Custody Tape No.		Separation <i>P+</i>							
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	Remarks						
<i>Jic 183 # 11 C. Bales</i>	<i>9/18/98</i>	<i>11:40</i>		<i>50:1</i>	<i>1</i>	<i>8015 BRO/DRO</i>						
<div style="text-align: center;">  </div>												
Inquired by: (Signature) <i>[Signature]</i>	Date <i>9/17/98</i>	Time <i>07:10</i>	Received by: (Signature) <i>Juan Carlos Hudson</i>		Date <i>9/17/98</i>	Time <i>11:00</i>						
Relinquished by: (Signature) <i>[Signature]</i>	Date <i>9/18/98</i>	Time <i>10:20</i>	Received by: (Signature) <i>[Signature]</i>		Date <i>9/18/98</i>	Time <i>10:20</i>						
Relinquished by: (Signature) <i>[Signature]</i>	Date <i>9/18/98</i>	Time <i>10:20</i>	Received by: (Signature) <i>[Signature]</i>		Date <i>9/18/98</i>	Time <i>10:20</i>						

Inter-Mountain Laboratories, Inc.

☐ 1633 Terra Avenue
Sheridan, Wyoming 82801
Telephone (307) 672-8945

☐ 1701 Phillips Circle
Gillette, Wyoming 82718
Telephone (307) 682-8945

☒ 2506 West Main Street
Farmington, NM 87401
Telephone (505) 326-4737

☐ 1160 Research Drive
Bozeman, Montana 59718
Telephone (406) 586-8450

☐ 11183 State Hwy. 30
College Station, TX 77845
Telephone (409) 776-8945

54142

**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 183 - 11</u>	
Location: Unit or Qtr/Qtr Sec <u>A</u> Sec <u>27</u> T <u>23</u> N <u>R</u> <u>3</u> W County <u>Sandoval</u>	
Land Type: <u>Range</u>	
Date Remediation Started: <u>9/15/98</u> Date Completed: <u>11/18/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>62</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>1400</u></p> <p>Sample Results:</p> <p>Field Headspace (ppm) <u>2.4</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><i>Virgil Chavez</i></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><i>K. C. M...</i></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

DIESEL RANGE ORGANICS - DRO

TAURUS EXPLORATION U.S.A., INC.

Project ID: Jicarilla 183-11
Sample ID: Land Farm Comp #1
Lab ID: 0398G06797
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:



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.

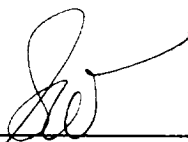
Project ID:	Jicarilla 183-11	Report Date:	12/15/98
Sample ID:	Land Farm Comp #1	Date Sampled:	11/18/98
Lab ID:	0398G06797	Date Received:	11/20/98
Sample Matrix:	Soil	Date Analyzed:	12/08/98
Condition:	Cool/Intact		

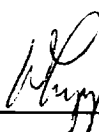
TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	<5.0	5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By:

57702