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JUN 24 1999

OIL CON. DIV.
DIST. 3

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

Denney 3
DEPUTY OIL & GAS INSPECTOR
AUG 09 1999
4/11/2001

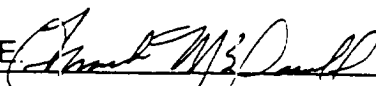
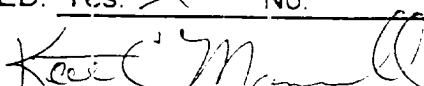
Pit Remediation and Closure Report

Operator:	Taurus Exploration U.S.A., Inc			Telephone:	(505) 325-8800		
Address:	2198 Bloomfield Hwy, Farmington, NM 87401						
Facility or Well Name:	Jicarilla 95-7						
Location:	Unit or Qtr/QTR	Sec "A" Sec 36, T 27 N, R 3 W County			Rio Arriba		
Pit Type:	Separator:	Dehydrator:	Other: X - Abandoned Blow Pit				
Land Type:	Range						
Pit Location:	Pit dimensions:	length: 40 ft	width: 22 ft	depth: 22 ft			
(Attach Diagram)							
	Reference:	wellhead: X	other:				
	Footage from reference	132 feet					
	Direction from reference	50	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
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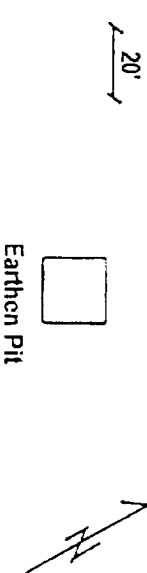
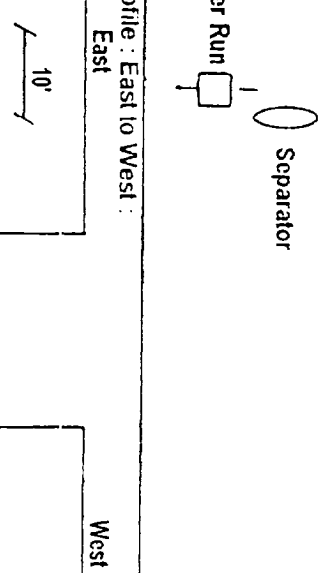
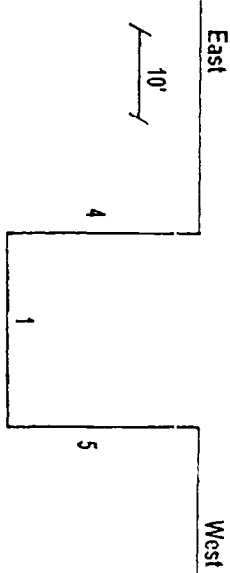
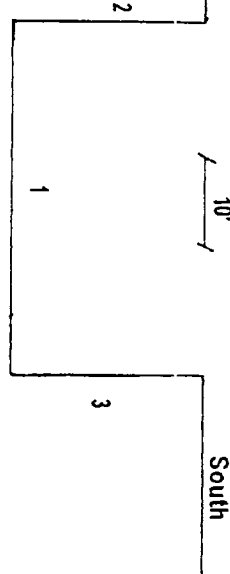
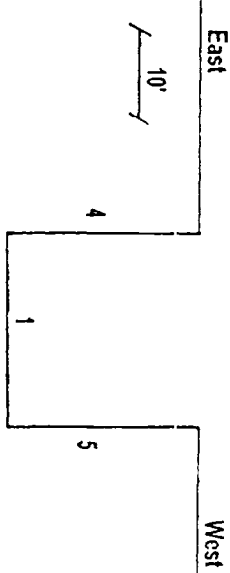
Pit Remediation and Closure Report

Date Remediation Started:	5/20/98	Date Completed	6/29/98
Remediation Method:	Excavation:	X	Approx. cubic yd: 680
(Check all appropriate sections)	Landfarmed:	X	In situ Bioremediation:
	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 excavated and landfarmed on location.		
Groundwater Encountered:	No: X	Yes:	Depth:
Final Pit Closure Sampling:	Sample location: Pit Bottom @ 22 feet below surface. Pit walls were analyzed for Headspace (see attachment).		
(If multiple samples, attach sample results and diagram of sample locations and depths.)	Sample depth:	22 feet	
	Sample date:	6/29/98	Sample time: 1305
Sample Results:			
Soil:	Water:		
Benzene (ppm)	<0.010	Benzene (ppb)	
Total BTEX (ppm)	0.601	Toluene (ppb)	
Field Headspace (ppm)	195	Ethylbenzene (ppb)	
TPH (ppm)	<21	Total Xylenes (ppb)	
Groundwater Sample:	Yes:	No: X	
(If yes, attach sample results.)			
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE:	7/27/98	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: X No: (Reason)			
SIGNED: 		DATE: 7-27-98	

COPY

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

Date Started : May 20, 1998 Date Completed : June 29, 1998

Location : <u>Jicanilla 95 # 7</u>		Overview of Location and Sampling : <div style="text-align: center; margin-top: 10px;">  </div>																																								
Quad : <u>A</u> Section : <u>36</u>		<div style="text-align: center; margin-bottom: 10px;">  </div>																																								
Range : <u>3 W</u> Township : <u>27 N</u>																																										
Pit : Abandoned Blow Pit Reference : 132' N 50 E from wellhead Initial Size : 18' x 18' x 3' Final Size : 40' x 22' x 22' deep Yds. Excavated : 680 cy																																										
<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>Bottom @ 22'</td><td>195</td></tr> <tr><td>2</td><td>N. Wall @ 16'</td><td>25</td></tr> <tr><td>3</td><td>S. Wall @ 16'</td><td>160</td></tr> <tr><td>4</td><td>E. Wall @ 16'</td><td>97</td></tr> <tr><td>5</td><td>W. Wall @ 16'</td><td>12.5</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	Bottom @ 22'	195	2	N. Wall @ 16'	25	3	S. Wall @ 16'	160	4	E. Wall @ 16'	97	5	W. Wall @ 16'	12.5	6			7			8			9			10			11			12		
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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 : Top soil is sandy loam, hydrocarbon odor and staining is present. 1' to bottom, soil is clay loam, brown in color. Gray/Dark Brown Staining to a depth of 15 feet. Sample from bottom, sent to IML for GRO/DRO and BTEX analysis.		Pit Profile : East to West : <div style="text-align: center; margin-top: 10px;">  </div>																																								
Pit Profile : North to South : <div style="text-align: center; margin-top: 10px;">  </div>		Pit Profile : East to West : <div style="text-align: center; margin-top: 10px;">  </div>																																								

Environmental Specialist : VC

Cimarron Oilfield Services

COPY

2506 W. Main Street
Farmington, New Mexico 87401

Client: Taurus Exploration U.S.A., Inc.
Project: Organics
Sample ID: Jic 95-7 Center Btm @ 22'
Lab ID: 0398G03763
Matrix: Soil
Condition: Cool/Intact

Date Received: 06/30/98
Date Reported: 07/10/98
Date Sampled: 06/29/98
Time Sampled: 1305

Parameter	Analytical Result	Units	Units
Diesel Range Organics	<5	ppm	
Diesel Range Organics as Diesel	<5	ppm	
Gasoline Range Organics	16	ppm	
Gasoline Range Organics as Gasoline	<10	ppm	

COPY

Reference: DRO - USEPA Method for Determination of Diesel Range Organics. Revision 2, February 1992.

WTPH-D Total Petroleum Hydrocarbons Analytical Methods for Soil, Washington State Department of Ecology, Revision 3, October 1991.

Reviewed By: William

Client: Taurus Exploration U.S.A., Inc.
Project: Organics
Sample ID: Jic 95-7 Center Btm @ 22'
Lab ID: 0398G03763
Matrix: Soil
Condition: Cool/Intact

COPY

2506 W. Main Street
Farmington, New Mexico 87401

Date Received: 06/30/98
Date Reported: 07/10/98
Date Sampled: 06/29/98
Time Sampled: 1305

Parameter	Analytical Result	Units	Units
Benzene	<10	ppb	
Ethylbenzene	129	ppb	
Toluene	134	ppb	
Xylenes (total)	328	ppb	

COPY

Reference: GRO - USEPA Method for Determination of Gasoline Range Organics, Revision 5, February 1992.

WTPH-G Total Petroleum Hydrocarbons Analytical Methods for Soil, Washington State Department of Ecology, Revision 3, October 1991.

Reviewed By: 

CHAIN OF CUSTODY RECORD

**Inter-Mountain
Laboratories, Inc.**

54525

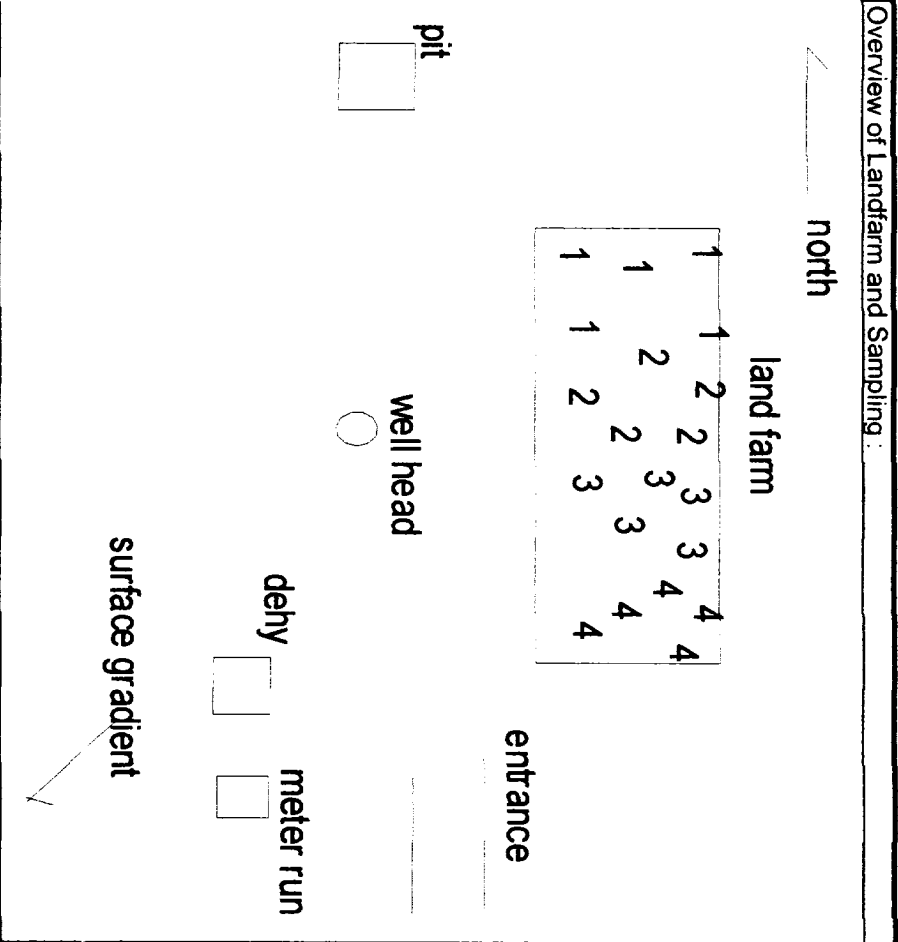
JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

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 95-7</u>	
Location: Unit or Qtr/Qtr Sec <u>A</u> Sec <u>36</u> T <u>27 N</u> R <u>3 W</u> County <u>Rio Arriba</u>	
Land Type: <u>Range</u>	
Date Remediation Started: <u>May 20, 1998</u> Date Completed: <u>December 9, 1998</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>680</u>	
Composted <u> </u>	
Other <u> </u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling:
Distance to an Ephemeral Stream (pts) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond (pts) <u>0</u>	
Wellhead Protection Area (pts) <u>0</u>	
Distance to Surface Water (pts) <u>0</u>	
Sampling Date: <u>12/9/98</u> Time: <u>10:30</u>	
Sample Results:	
Field Headspace (ppm) <u>14.5</u>	
TPH (ppm) <u><56</u> Method <u>8015</u>	
Other: <u> </u>	
RANKING SCORE	
(TOTAL POINTS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE: <u>1/6/99</u> PRINTED NAME <u>VIRGIL CHAVEZ</u>	
SIGNATURE <u>[Signature]</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>we are Back lot</u>	
SIGNED: <u>[Signature]</u> DATE: <u>1-7-99</u>	

Client : Taurus Exploration USA Inc.

Date Started : May 20, 1998 Date Completed : December 9, 1998

Location : <u>Jicarilla 95 - 7</u>		Overview of Landfarm and Sampling :																																						
Quad : <u>A</u>	Section : <u>36</u>																																							
Township: <u>27 N</u>	Range: <u>3 W</u>																																							
Pit : <u>Abandoned Blow Pit</u>																																								
Reference <u>60' S 75 E</u> from <u>wellhead.</u>																																								
Size: <u>150' x 50' x 2.5'</u>	<table border="1"><thead><tr><th>Sample #</th><th>Location</th><th>OVM</th></tr></thead><tbody><tr><td>1</td><td>Comp 1</td><td>14.5</td></tr><tr><td>2</td><td>Comp 2</td><td>1.4</td></tr><tr><td>3</td><td>Comp 3</td><td>1</td></tr><tr><td>4</td><td>Comp 4</td><td>1.2</td></tr><tr><td>5</td><td></td><td></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	Comp 1	14.5	2	Comp 2	1.4	3	Comp 3	1	4	Comp 4	1.2	5			6			7			8			9			10			11			12		
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9																																								
10																																								
11																																								
12																																								
Yds : <u>680</u>																																								
<u>4</u> <u>5 - Point Composites</u>																																								
Comments : <u>Soil is moist, pale brown, sandy/clay/loam, with minor visible staining and a slight hydrocarbon odor.</u>																																								
<u>A sample from composite # 1 was sent to IML for GRO/DRO analysis.</u>																																								
Environmental Specialist : <u>JE</u>																																								

Ranking Score : 0 Closure Standard : 5000 ppm

Cimarron Oilfield Services



DIESEL RANGE ORGANICS - DRO

ENERGEN RESOURCES

Project ID: Jicarilla 95-7
Sample ID: Landfarm Comp #1
Lab ID: 0398G07288
Sample Matrix: Soil
Condition: Cool/Intact

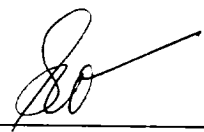
Report Date: 12/30/98
Date Sampled: 12/09/98
Date Received: 12/11/98
Date Analyzed: 12/23/98

TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	51	5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By:



GASOLINE RANGE ORGANICS - GRO

ENERGEN RESOURCES

Project ID:	Jicarilla 95-7	Report Date:	12/31/98
Sample ID:	Landfarm Comp #1	Date Sampled:	12/09/98
Lab ID:	0398G07288	Date Received:	12/11/98
Sample Matrix:	Soil	Date Analyzed:	12/30/98*
Condition:	Ccol/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:**

*Sample was analyzed within holding times, however, due to instrument problems and QC failure, the sample had to be re-analyzed to verify results.

Reported By:

Reviewed By:



CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		Analyses / Parameters							
Sample: (Signature) <i>William H. 12/11/98</i>		Chain of Custody Tape No. <i>Sic 95-7</i>									
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers						
<i>Case 1</i>	<i>12/11/98</i>	<i>1030</i>		<i>Soil</i>	<i>1</i>						
<div style="text-align: center;"><i>Label Attached</i></div>											
Relinquished by: (Signature) <i>William H. 12/11/98</i>		Date	Time	Received by: (Signature)							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)							
Relinquished by: (Signature)		Date	Time	Received by Laboratory: (Signature)							
		Date	Time								

☐ 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

Inter-Mountain Laboratories, Inc.

57721

JICARILLA 95 7A

D 36 27N 03W

30-039-21127

990/N 990/W

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14538	1997	2	72319	30-039-22072	0	0	0	3256	05-28-1997	05-18-1997	05-18-1997	000000344	V1509
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