

RECEIVED
JUN 24 1999

OIL CON. DIV.
DIST. 3

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

Denny E. Foust OK
DEPUTY OIL & GAS INSPECTOR


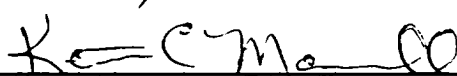
AUG 09 1999

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 # 8				
Location:	Unit or Qtr/QTR		Sec "I"	Sec 29, 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: 15 ft width: 15 ft depth: 9 ft				
(Attach Diagram)					
Reference:		wellhead: X other:			
Footage from reference:		25'			
Direction from reference:		90	Degrees	X East	North X
				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 Str	0 feet	(10 points)			
(Downgradient dry wash grea	0 feet	(0 points)	0		
ten feet in width)					
Distance to Nearest Lake, Playa, or Watering	0 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

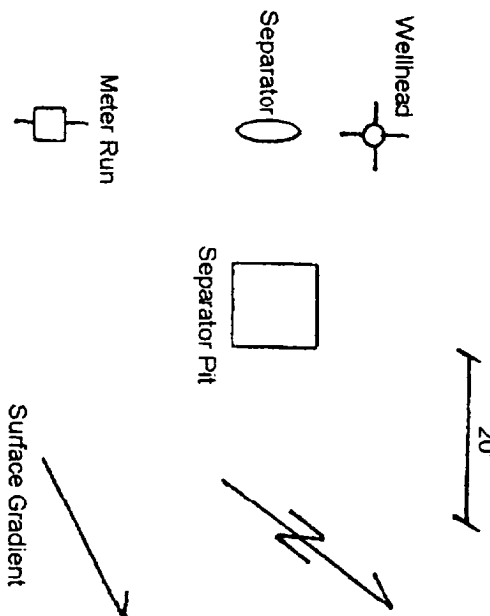
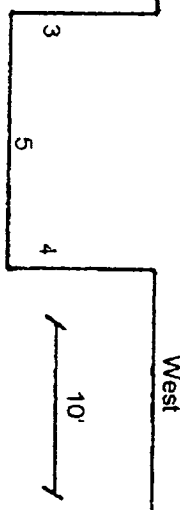
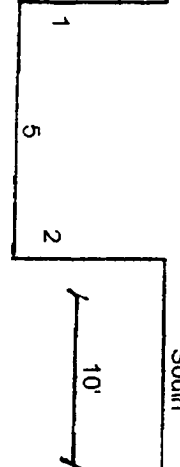
Jicarilla Apache Tribe
Environmental Protection Office
P.O. Box 507
Dulce, New Mexico 87528

Pit Remediation and Closure Report

Date Remediation Started: 9/3/98		Date Completed 9/3/98	
Remediation Method: (Check all appropriate sections)	Excavation:	<input checked="" type="checkbox"/>	Approx. cubic yd 70
	Landfarmed:	<input checked="" type="checkbox"/>	Insitu Bioremediation:
	Other:		
Remediation Location: (I.e. landfarmed on site, name and location of off site location)	On-site:	<input checked="" type="checkbox"/>	Off-site:
General Description of Remedial Action: Soil was excavated and landfarmed on location.			
Groundwater Encountered:	No: <input checked="" type="checkbox"/>	Yes:	Depth:
Final Pit	Sample location: Pit bottom @ 9 feet below surface. All walls were		
Closure Sampling:	tested for field Headspace (see attachment).		
(If multiple samples, attach sample results and diagram of sample locations and depths.)			
	Sample depth:	9 feet	
	Sample date:	9/3/98	Sample time: 10:45
Sample Results:			
Soil:		Water:	
Benzene (ppm)		Benzene (ppb)	
Total BTEX (ppm)		Toluene (ppb)	
Field Headspace (ppm)	16.9	Ethylbenzene (ppb)	
TPH (ppm)	10	Total Xylenes (ppb)	
Groundwater Sample:	Yes:	No: <input checked="" type="checkbox"/>	
(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: 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: <input checked="" type="checkbox"/> No: (Reason)			
SIGNED: 		DATE: 10/27/98	

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

Date Started : September 3, 1998 Date Completed : September 3, 1998

Location : Stromberg # 8		Overview of Location and Sampling : 																																								
Quad : 1 Section : 29																																										
Range : 3 W Township: 23 N																																										
Pit : Abandoned Separator Pit Reference : 25' East from wellhead Initial Size : 10' x 10' x 1' deep Final Size : 15' x 15' x 9' deep Yds. Excavated : 70 cy Depth to Groundwater : >100' Nearest Water Source : >1000' Nearest Surface Water : >1000' Nearest Ephemeral Stream : >1000' EPO Ranking Score : 0 TFPI 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 Well @ 7'</td><td>7</td></tr> <tr><td>2</td><td>S Well @ 7'</td><td>1.1</td></tr> <tr><td>3</td><td>E Well @ 7'</td><td>1.4</td></tr> <tr><td>4</td><td>W Well @ 7'</td><td>9.2</td></tr> <tr><td>5</td><td>CBM @ 9'</td><td>16.9</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 Well @ 7'	7	2	S Well @ 7'	1.1	3	E Well @ 7'	1.4	4	W Well @ 7'	9.2	5	CBM @ 9'	16.9	6			7			8			9			10			11			12		
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12																																										
Comments : Top soil - 9' Soil is moist, brown, light brown sandy - loam with no staining, but a minor odor. A sample from the center bottom at 9' was sent to IML for GRO/DRO analysis.		Pit Profile : East to West : 																																								
Pit Profile : North to South : 																																										
Entrance Meter Run Surface Gradient																																										

Environmental Specialist : YC

Camarro Clifffield Services

GASOLINE RANGE ORGANICS - GRO**Taurus Exploration U.S.A., Inc.**

Project ID:	Stromberg #8 Sep. Pit	Report Date:	09/21/98
Sample ID:	C. Bottom @ 9'	Date Sampled:	09/03/98
Lab ID:	0398G05141	Date Received:	09/04/98
Sample Matrix:	Soil	Date Analyzed:	09/17/98
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

DIESEL RANGE ORGANICS - DRO

Taurus Exploration U.S.A., Inc.

Project ID:	Stromberg #8 Sep. Pit	Report Date:	09/21/98
Sample ID:	C. Bottom @ 9'	Date Sampled:	09/03/98
Lab ID:	0398G05141	Date Received:	09/04/98
Sample Matrix:	Soil	Date Analyzed:	09/17/98
Condition:	Cool/Intact		

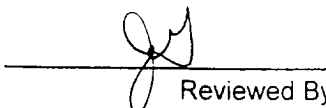
TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	<5.0	5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By:

COPY



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Y

Client/Project Name Taurus Exploration LLC Inc			Project Location Stromberg #8			ANALYSES / PARAMETERS		
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No.					
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	Remarks		
Stromberg #8, Run 091	9/13/98	10:45		Soil	1			
						<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 2015 ARV 1 DRO </div> <div style="border: 1px solid black; padding: 5px;"> <i>[Handwritten: correct, intact, recorded.]</i> </div>		

Relinquished by: (Signature)
[Signature]

Relinquished by: (Signature)
[Signature]

Relinquished by: (Signature)
[Signature]

Date 9/13/98 **Time** 17:35

Date 9/16/98 **Time** 15:15

Date 9-14-98 **Time** 15:15

Received by: (Signature)
[Signature]

Received by: (Signature)
[Signature]

Received by laboratory: (Signature)
[Signature]

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☐ 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.

54129

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 8</u>	
Location: Unit or Qtr/Qtr Sec <u>I</u> Sec <u>29</u> T <u>23 N</u> R <u>3 W</u> County <u>Sandoval</u>	
Land Type: <u>Range</u>	
Date Remediation Started: <u>9/3/98</u> Date Completed: <u>11/18/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>70</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>1600</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><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>use as Back fill</u>	
SIGNED: <u><i>K. C. Mearl</i></u> DATE: <u>12-28-98</u>	



GASOLINE RANGE ORGANICS - GRO

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:	12/08/98
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:

**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		

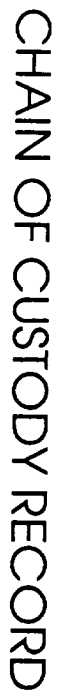
TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	<5.0	5.0 mg/Kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:
Reviewed By:



CHAIN OF CUSTODY RECORD

57699