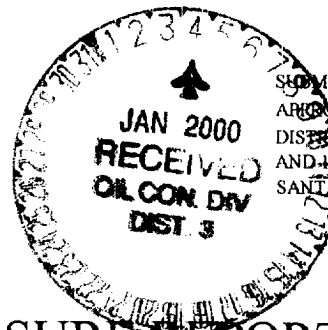


District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



OK
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Energen Resources (Taurus Exploration) Telephone: (505) 326-6131

Address: 2198 Bloomfield Highway Farmington, NM 87401

Facility Or: Florance Federal #9A

Well Name

Location: Unit or Qtr/Qtr Sec N Sec 5 T 25N R 3W County Rio Arriba

Pit Type: Separator _____ Dehydrator _____ Other Abandoned Pit #2

Land Type: BLM _____ State _____ Fee X Other _____

Pit Location: Pit dimensions: Length 30 ft, width 17 ft, depth 10 ft

(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 140 ft

Direction from reference: 0 Degrees _____ East North _____
_____ X West South _____

Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>>100 feet</u>	Less than 50 feet	(20 points)	
		50 ft to 99 feet	(10 points)	
	<u>X</u>	Greater than 100 feet	(0 points)	<u>0</u>

Wellhead Protection Area: (less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources).		Yes	(20 points)	
	<u>X</u>	No	(0 points)	<u>0</u>

Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)		Less than 200 feet	(20 points)	
		200 feet to 1000 feet	(10 points)	
	<u>X</u>	Greater than 1000 feet	(0 points)	<u>0</u>

P:\pits\PrC@WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 9/14/98 Date Completed: 12/15/98
Excavation X Approx. cubic yards 145
Landfarmed X Insitu Bioremediation _____
Other _____

Remediation Method: Onsite X Offsite _____
(Check all appropriate sections)

General Description of Remedial Action : On 9/14/98, the pit was excavated to a depth of 10 feet.
A soil sample was obtained from the north wall of the pit at a depth of 8 feet utilizing
U.S.E.P.A. protocol and sent to IML for GRO/DRO analysis. Excavated soils were
landfarmed on site. On 12/15/98, the landfarm was tested and provided concentrations
below NMOCD guidelines.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:

Closure Sampling:
(if multiple samples,
attach sample results

and diagram of sample
locations and depths)

Sample location North Wall

Sample depth 8 feet

Sample date 9/15/98

Sample time 11:20

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 2.3

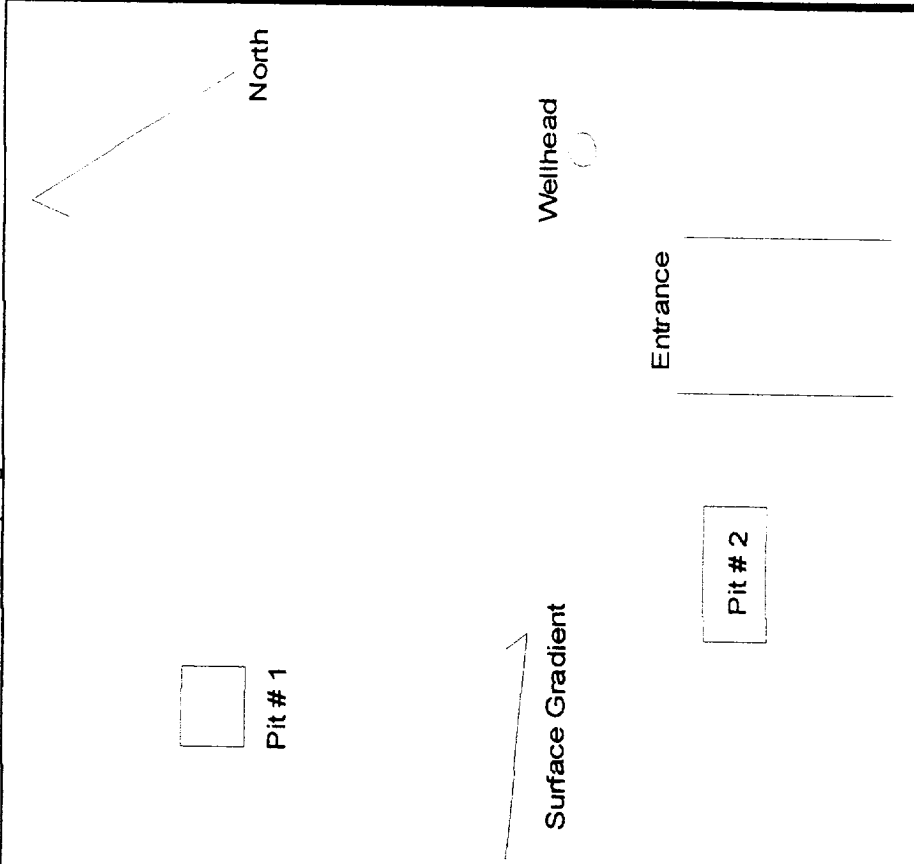
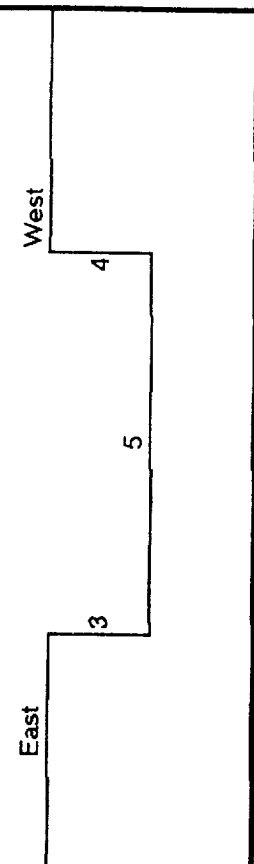
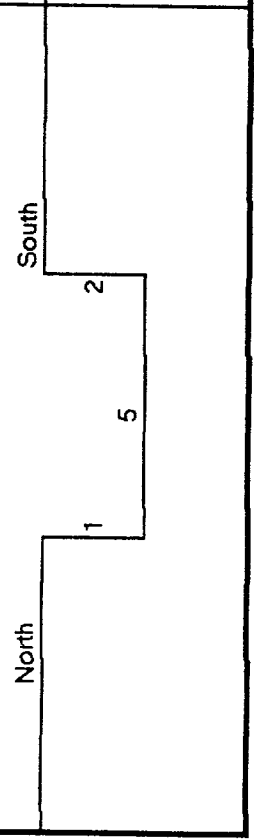
TPH <10

Ground Water Sample: Yes _____ No X (if yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

DATE 12/22/99 PRINTED NAME Virgil Chavez

SIGNATURE Virgil Chavez and TITLE Environmental Specialist

Location : Florance Federal # 9A		Overview of Location and Sampling :					
Quad : N	Section : 5						
Range : 3W	Township: 25 N						
Pit : Abandoned Pit # 2							
Reference : 140' West from wellhead							
Initial Size : 20' x 15' x 4' deep							
Final Size : 30' x 17' x 10' deep							
Yds. Excavated : 145 cy							
Depth to Groundwater: >100'							
Nearest Water Source: >1000'							
Nearest Surface Water: >1000'							
NMOCD Ranking Score: 0							
TPH Closure Standard: 5000							
Sample #				Location		OVM	
1				N. Wall @ 8'		2.3	
2				S. Wall @ 8'		1.5	
3				E. Wall @ 8'		1.6	
4		W. Wall @ 8'		1.1			
5		C. Bottom @ 10'		0.7			
6							
7							
8							
9							
10							
11							
12							
Comments : Top soil - 10' Soil is moist, light brown, sandy/loam with no visible staining and a moderate hydrocarbon odor. 10' Soil is moist, medium brown, sandy/loam with no staining and no detectable hydrocarbon odor. A sample from the north wall at 8' was sent to IML for GRO/DRO analysis.		Pit Profile : East to West :					
							

**GASOLINE RANGE ORGANICS - GRO****TAURUS EXPLORATION U.S.A., INC.**

Project ID:	Florance Federal #9A Pit #2	Report Date:	10/01/98
Sample ID:	N. Wall @ 8'	Date Sampled:	09/15/98
Lab ID:	0398G05457	Date Received:	09/16/98
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:



DIESEL RANGE ORGANICS - DRO

TAURUS EXPLORATION U.S.A., INC.

Project ID: Florance Federal #9A Pit #2
Sample ID: N.Wall @ 8'
Lab ID: 0398G05457
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 10/01/98
Date Sampled: 09/15/98
Date Received: 09/16/98
Date Analyzed: 09/30/98

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

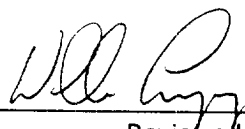
ND - Analyte not detected at the stated detection limit.

Reference:

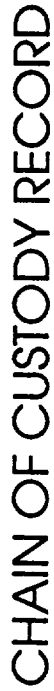
Comments:



Reported By:



Reviewed By:



Inter-Mountain Laboratories, Inc.

Location : <u>Florance Federal # 9A</u> Quad : <u>N</u> Section : <u>5</u> Township: <u>25 N</u> Range: <u>3 W</u>		Overview of Landfarm and Sampling :																																							
Pit : <u>Abandoned Pit # 2</u> Reference <u>60' S 5 E</u> from wellhead. Size: <u>60' x 50' x 1'</u> Yds : <u>145</u> <u>1</u> <u>5 - Point Composites</u>	<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>Comp 1</td><td>1</td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></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	1	2			3			4			5			6			7			8			9			10			11			12			Comments : Soil is moist, reddish brown, sandy/foam, with no visible staining and a slight hydrocarbon odor. A sample from composite # 1 was sent to IML for GRO/DRO analysis.
Sample #	Location	OVM																																							
1	Comp 1	1																																							
2																																									
3																																									
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9																																									
10																																									
11																																									
12																																									
Environmental Specialist : <u>JE</u>																																									



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

Inter-Mountain Laboratories, Inc.

2506 West Main Street, Farmington, NM 87401

GASOLINE RANGE ORGANICS - GRO

ENERGEN RESOURCES

Project ID: Florance Federal #9A
Sample ID: Landfarm Comp #1
Lab ID: 0398G07599
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 12/31/98
Date Sampled: 12/15/98
Date Received: 12/18/98
Date Analyzed: 12/30/98

TPH GAS RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	7	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

ENERGEN RESOURCES

Project ID: Florance Federal #9A
Sample ID: Landfarm Comp #1
Lab ID: 0398G07599
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 12/31/98
Date Sampled: 12/15/98
Date Received: 12/18/98
Date Analyzed: 12/30/98

TPH DIESEL RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	110	5.0 mg/Kg

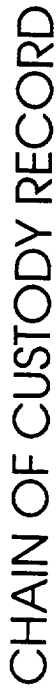
ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By:



Inter-Mountain Laboratories, Inc.