

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 8821

District III

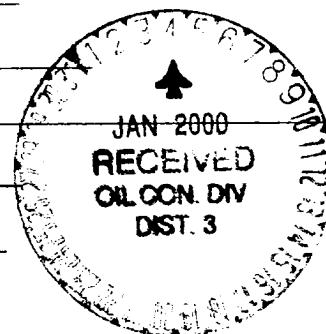
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088SUBMIT 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) 326-6131Address: 2198 Bloomfield Highway Farmington, NM 87401Facility Or: Jillson Federal # 4
Well NameLocation: Unit or Qtr/Qtr Sec E Sec 8 T 24N R 3W County Rio ArribaPit Type: Separator _____ Dehydrator _____ Other Separator/Production TankLand Type: BLM _____ State X Fee _____ Other _____Pit Location: Pit dimensions: Length 20 ft, width 20 ft, depth 12 ft
(Attach diagram)Reference: wellhead X other _____Footage from reference: 85 ftDirection from reference: 80 Degrees _____ East North X
_____ of _____
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\PrrC@.WK3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 3/2/99 Date Completed: 10/22/99

Excavation X Approx. cubic yards 167

Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action : On 3/2/99, the pit was excavated to a depth of 12 feet. A soil sample was obtained from the center bottom of the pit at a depth of 12 feet utilizing U.S.E.P.A. protocol and sent to IML for GRO/DRO analysis. Excavated soils were landfarmed on site. 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 Center Bottom

Sample depth 12 feet

Sample date 3/2/99

Sample time 11:30

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) ND

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 : <u>Jillson Federal # 4</u> Quad : <u>E</u> Section : <u>8</u> Range : <u>3W</u> Township: <u>24 N</u>		Overview of Location and Sampling :																																								
Pit : Separator/Production Tank Reference : 85' N 80' W from wellhead Initial Size : 10' x 10' x 3' deep Final Size : 20' x 20' x 12' deep Yds. Excavated : 167 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>N. Wall @ 9'</td><td>1</td></tr> <tr><td>2</td><td>S. Wall @ 9'</td><td>0.5</td></tr> <tr><td>3</td><td>E. Wall @ 9'</td><td>0.5</td></tr> <tr><td>4</td><td>W. Wall @ 9'</td><td>N.D.</td></tr> <tr><td>5</td><td>C. Bottom @ 12'</td><td>N.D.</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 @ 9'	1	2	S. Wall @ 9'	0.5	3	E. Wall @ 9'	0.5	4	W. Wall @ 9'	N.D.	5	C. Bottom @ 12'	N.D.	6			7			8			9			10			11			12		
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Depth to Groundwater: >100' Nearest Water Source: >1000' Nearest Surface Water: >1000' NMOCD Ranking Score: 0 TPH Closure Standard: 5000		Comments : Top soil - 10' Soil is moist, medium brown, sandy/loam with black/gray staining and a strong hydrocarbon odor. 10' - 12' Soil is moist, light brown, sand, with minor staining and a mild hydrocarbon odor. A sample from the center bottom at 12' was sent to IML for GRO/DRO analysis.																																								
Pit Profile : North to South :		Pit Profile : East to West :																																								



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources
Project: Jillson Federal #4
Sample ID: Jillson Fed #4 C. Btm @ 12'
Lab ID: 0399W01189
Matrix: Soil
Condition: Cool/Intact

Date Reported: 03/19/99
Date Sampled: 03/02/99
Date Received: 03/03/99
Date Analyzed: 03/16/99

Parameter	Analytical Result	PQL	Units
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DRO - METHOD 8015

Diesel Range Organics	<5	5	mg/L
Diesel Range Organics as Diesel	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
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o-Terphenyl(SUR-8015)	105	70 - 130
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GRO - METHOD 8015

Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

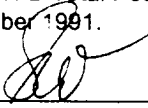
Quality Control - Surrogate Recovery	%	QC Limits
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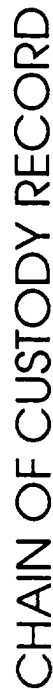
a,a,a-Trifluorotoluene(SUR-8015)	123	70 - 130
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Reference: DRO - USEPA Method for Determination of Diesel Range Organics. Revision 2, February 1992.

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

Reviewed By:


Sharon Williams, Organic Lab Supervisor



Inter-Mountain Laboratories, Inc.

[illegible]



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources

Project: Jillson Federal #4

Sample ID: Landfarm Comp #1

Lab ID: 0399W05383

Matrix: Soil

Condition: Cool/Intact

Date Reported: 11/04/99

Date Sampled: 10/22/99

Date Received: 10/25/99

Date Analyzed: 10/27/99

Parameter	Analytical Result	PQL	Units
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GRO - Method 8015M

Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
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4-Bromofluorobenzene(SUR-8015)	106	70 - 130
a,a,a-Trifluorotoluene(SUR-8015)	103	70 - 130

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.

Reviewed By:

William Lipps



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources

Project: Jillson Federal #4

Sample ID: Landfarm Comp #1

Lab ID: 0399W05383

Matrix: Soil

Condition: Cool/Intact

Date Reported: 11/19/99

Date Sampled: 10/22/99

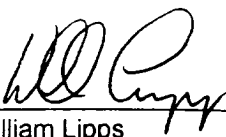
Date Received: 10/25/99

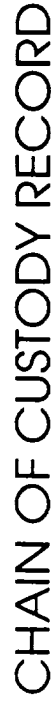
Date Analyzed: 11/03/99

Parameter	Analytical Result	PQL	Units
DRO - Method 8015M			
Diesel Range Organics (C10 - C22)	27	5	mg/Kg
Quality Control - Surrogate Recovery			
o-Terphenyl(SUR-8015)	105	QC Limits 70 - 130	

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.

Reviewed By:


William Lipps



CHAIN OF CUSTODY RECORD

[illegible]