

1000 Rio Brazos Rd. Artec, NM 87410

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

Address: 2198 Bloomfield Highway Farmington, NM 87401

Facility Or: McCroden A #2
Well Name

Location: Unit or Qtr/Qtr Sec O Sec 9 T 25N R 3W County Rio Arriba

Pit Type: Separator _____ Dehydrator _____ Other Blow Pit

Land Type: BLM _____ State _____ Fee X _____ Other _____

Pit Location: Pit dimensions: Length 10 ft, width 10 ft, depth 5 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 55 ft

Direction from reference: 10 Degrees X East North X
West South

Depth to Ground Water: >100 feet

_____	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: 8/21/98 Date Completed: 1/27/99
Excavation X Approx. cubic yards 15
Landfarmed X Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action : On 8/24/98, the pit was excavated to a depth of 5 feet where bedrock was encountered. A soil sample was obtained from the west wall of the pit at a depth of 4 feet utilizing U.S.E.P.A. protocol and sent to IML for GRO/DRO analysis. Excavated soils were landfarmed on site. On 1/27/99, 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 West Wall

Sample depth 4 feet (Bedrock at 5')

Sample date 8/24/98

Sample time 13:05

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 90.3

TPH <10

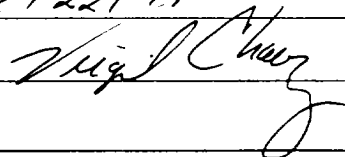
Ground Water Sample: Yes _____ No X (if yes, attach sample results)

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

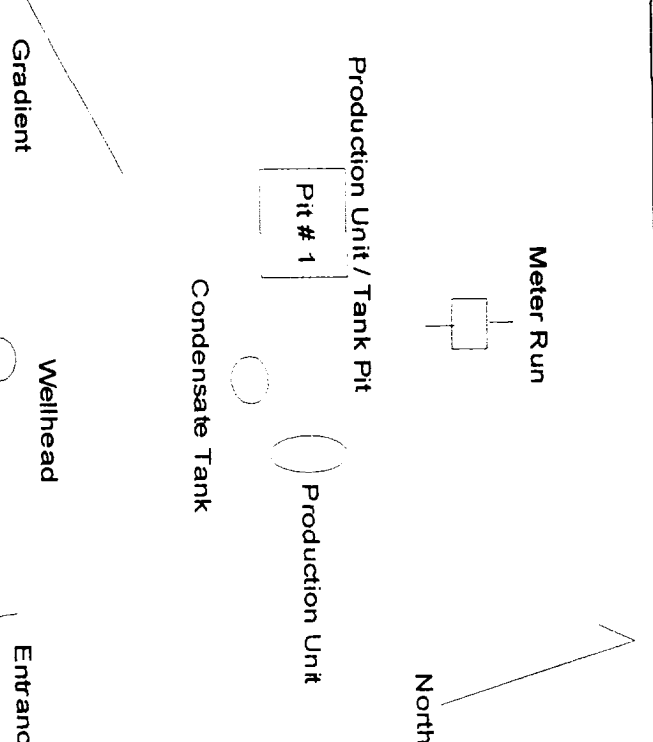
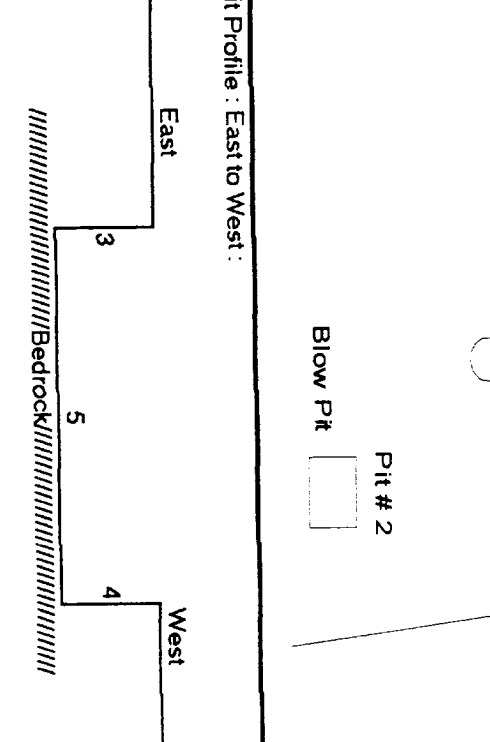
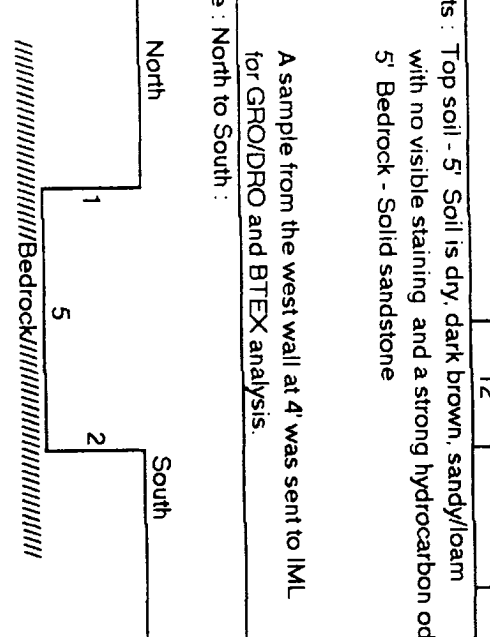
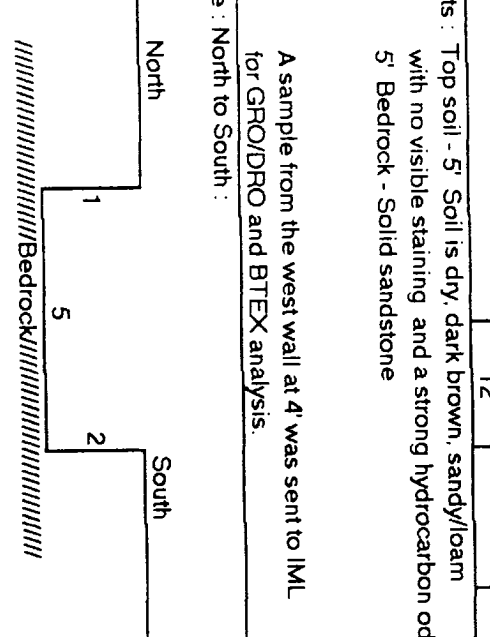


and TITLE

Environmental Specialist

Client : Taurus Exploration

Date Started : August 21, 1998 Date Completed : August 24, 1998

Location : McCroden A # 2		Overview of Location and Sampling : <div style="text-align: center;"></div>																																								
Quad : O Section : 9																																										
Range : 3 W Township: 25 N																																										
Pit : Blow Pit (pit # 2) Reference : 55' N 10 E from wellhead Initial Size : 10' x 10' x 1' deep Final Size : 10' x 10' x 5' deep Yds. Excavated : 15 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 @ 4'</td><td>23.3</td></tr><tr><td>2</td><td>S Wall @ 4'</td><td>35.1</td></tr><tr><td>3</td><td>E Wall @ 4'</td><td>30.1</td></tr><tr><td>4</td><td>W Wall @ 4'</td><td>90.3</td></tr><tr><td>5</td><td>C Bottom @ 5'</td><td>70.2</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'	23.3	2	S Wall @ 4'	35.1	3	E Wall @ 4'	30.1	4	W Wall @ 4'	90.3	5	C Bottom @ 5'	70.2	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		Pit Profile : East to West : <div style="text-align: center;"></div>																																								
Comments : Top soil - 5' Soil is dry, dark brown, sandy/loam with no visible staining and a strong hydrocarbon odor. 5' Bedrock - Solid sandstone																																										
Pit Profile : North to South : <div style="text-align: center;"></div>																																										
A sample from the west wall at 4' was sent to IML for GRC/DRO and BTEX analysis.		Pit Profile : North to South : <div style="text-align: center;"></div>																																								
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GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.


Project ID:	McCroden A#2 Blow Pit	Report Date:	09/01/98
Sample ID:	W. Wall @ 4'	Date Sampled:	08/24/98
Lab ID:	0398G04869	Date Received:	08/25/98
Sample Matrix:	Soil	Date Analyzed:	08/28/98
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 Organic - DRO**Taurus Exploration U.S.A., Inc.**

Project ID:	McCroden A#2 Blow Pit	Report Date:	08/31/98
Sample ID:	Mc. A#2 B.P.W. Wall @ 4'	Date Sampled:	08/24/98
Lab ID:	0398G04869	Date Received:	08/25/98
Sample Matrix:	Soil	Date Analyzed:	08/28/98
Condition:	Cool/Intact		

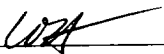
TPH DIESEL-RANGE (MOD EPA 8015)	RESULT mg/Kg	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	<5.0	5.0 mg/kg
Total Extractable Petroleum Hydrocarbons	<5.0	5.0 mg/kg

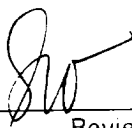
Quality Control: Surrogate Percent Recovery Acceptance Limits

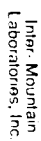
O-Terphenyl 116% 70-130%

Comments:

Reference: USEPA Manual SW-846, Methods, 3510,3550a, 8015Mod, Revision 2, 1996.
Hydrocarbons in Soil - 8015AZ, Revision 0, 1998.


Reported By:


Reviewed By:



CHAIN OF CUSTODY RECORD

[illegible]



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources

Project: McGroden A #2

Sample ID: Landfarm Comp 1

Lab ID: 0399W00620

Matrix: Soil

Condition: Warm

Date Reported: 02/02/99

Date Sampled: 01/27/99

Date Received: 01/27/99

Date Analyzed: 01/28/99

Parameter	Analytical Result	PQL	Units
METHOD 8015-GASOLINE RANGE ORGANICS			
Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

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: 

Sharon Williams, Organic Lab Supervisor



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources

Project: McGroden A #2

Sample ID: Landfarm Comp 1

Lab ID: 0399W00620

Matrix: Soil

Condition: Warm

Date Reported: 02/02/99

Date Sampled: 01/27/99

Date Received: 01/27/99

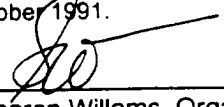
Date Analyzed: 02/01/99

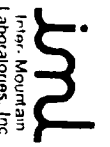
Parameter	Analytical Result	PQL	Units
METHOD 8015 - DIESEL RANGE ORGANICS			
Diesel Range Organics	<5	5	mg/Kg
Diesel Range Organics as Diesel	<5	5	mg/Kg
Quality Control - Surrogate Recovery			
	%	QC Limits	
o-Terphenyl(SUR-8015)	71	70 - 130	

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 Willams, Organic Lab Supervisor



CHAIN OF CUSTODY RECORD

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