

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: McCroden B #1  
Well Name

Location: Unit or Qtr/Qtr Sec K Sec 4 T 25N R 3W County Rio Arriba

Pit Type: Separator X Dehydrator        Other       

Land Type: BLM        State        Fee X Other       

Pit Location: Pit dimensions: Length 35 ft width 35 ft depth 3 ft  
(Attach diagram)

Reference: wellhead X other       

Footage from reference: 100 ft

Direction from reference: 50 Degrees X East North X  
West of South



Depth to Ground Water: (vertical distance from contaminants to seasonal highwater elevation of ground water)	<u>&gt;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: 4/21/98 Date Completed: 4/21/98

Excavation \_\_\_\_\_ Approx. cubic yards 0

Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Method: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_

(Check all appropriate  
sections)

General Description of Remedial Action : On 4/21/98, a soil sample was obtained from the center bottom of the pit at a depth of 4 feet below the pit bottom utilizing U.S.E.P.A. protocol and evaluated for BTEX and GRO/DRO analysis. No excavation of the pit was necessary.

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 4 feet below pit bottom

Sample date 4/21/98

Sample time 11:15

Sample Results

Benzene(ppm) ND

Total BTEX (PPM) 0.7062

Field Headspace (ppm) 170

TPH <11

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

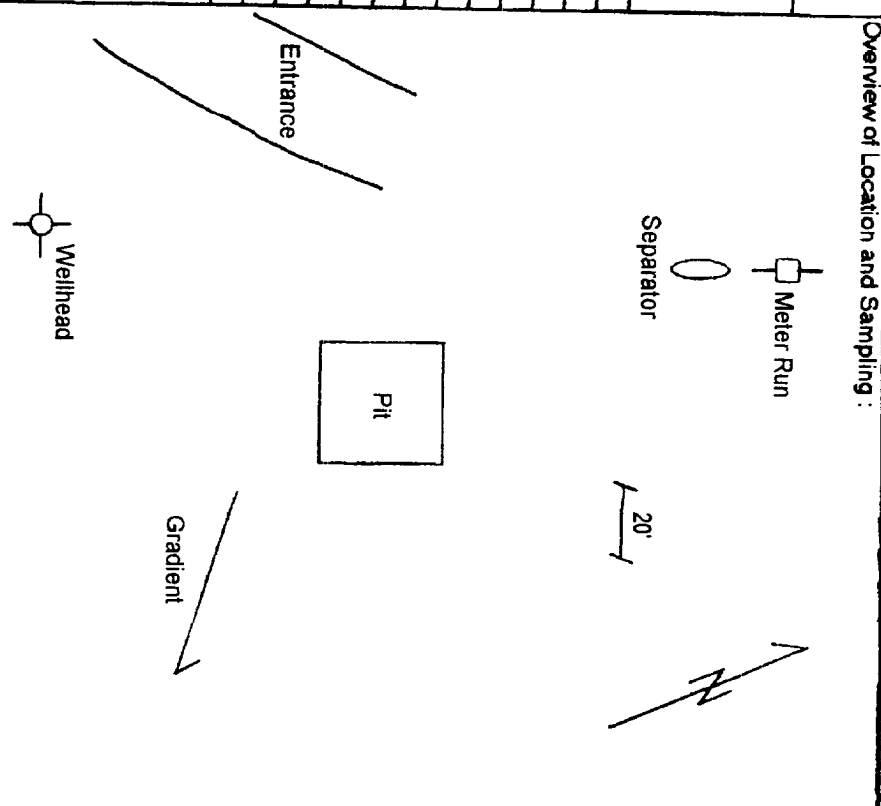
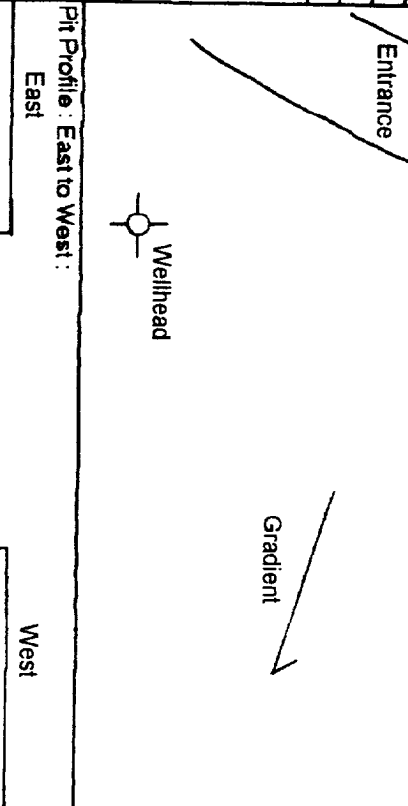
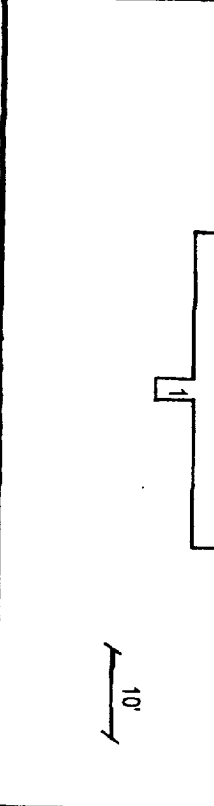
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETED TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE 12/22/99 PRINTED NAME Virgil Chavez

SIGNATURE Virgil Chavez and TITLE Environmental Specialist

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

Date Started: April 21, 1998 Date Completed: April 21, 1998

Location: <u>McCroden B #1</u>			<b>Overview of Location and Sampling:</b>  																																									
Quad: <u>K</u> Section: <u>4</u>																																												
Range: <u>3 W</u> Township: <u>25 N</u>																																												
Pit: <u>Separator Pit</u> Reference: <u>100' N 50 E</u> <u>from wellhead.</u> Initial Size: <u>35' x 35' x 3'</u> Final Size: <u>35' x 35' x 3'</u> Yds. Excavated: <u>0 cy</u>																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sample #</th> <th style="width: 40%;">Location</th> <th style="width: 50%;">OVM</th> </tr> </thead> <tbody> <tr><td>1</td><td>C. Btm @ 4'</td><td>170</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	C. Btm @ 4'	170	2			3			4			5			6			7			8			9			10			11			12			<b>Pit Profile: East to West:</b>  		
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Depth to Groundwater: <u>&gt;100'</u> Nearest Water Source: <u>&gt;1000'</u> Nearest Surface Water: <u>&gt;1000'</u> NMOCD Ranking Score: <u>0</u> TPH Closure Standard: <u>5000</u>			<b>Pit Profile: North to South:</b>  																																									
Comments: <u>0' - 4' Below Pit Bottom: Soil is moist, brown, silty/clay.</u> <u>There was no apparent staining or odor detected.</u> <u>Samples were taken from 4' below pit bottom @ 11:15</u> <u>and sent to Intermountain Labs for TPH and BTEX</u> <u>analysis.</u>																																												
Pit Profile: North to South:																																												

**Inter-Mountain Laboratories, Inc.**1701 Phillips Circle  
Gillette, Wyoming 82718**Client:** IML - Farmington  
2506 West Main Street  
Farmington, NM 87401**Project:** Taurus Exploration**Sample ID:** C BTM@7'**Lab ID:** 0298W01817**Matrix:** Soil**Condition:** Intact**Report Date:** 05/12/98**Date Received:** 04/23/98**Time Received:** 1030**Date Sampled:** 04/21/98**Time Sampled:** 1115

Parameter	Concentration	Units	MDL
DRO (Modified 8015)	6	mg/Kg	5
GRO (Modified 8015)	<5	mg/Kg	5

Reference: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, United States Environmental Protection Agency, SW-846, vol 1B, September 1986.

Reviewed By: Jim Lytle

**VOLATILE AROMATIC HYDROCARBONS****Taurus Exploration**

Project ID: McCroden B#1  
Sample ID: C Btm @ 7'  
Lab ID: 0398G02187  
Sample Matrix: Soil  
Condition: Cool/Intact

Report Date: 04/29/98  
Date Sampled: 04/21/98  
Time Sampled: 1115  
Date Received: 04/22/98  
Date Extracted: 04/22/98  
Date Analyzed: 04/23/98


Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	122	10.0
Ethylbenzene	195	10.0
m,p-Xylenes	307	10.0
o-Xylene	82.2	10.0

ND - Analyte not detected at the stated detection limit.

<b>Quality Control:</b>	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	122%	70%-130%

**Reference:** Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

**Comments:**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



# CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSES / PARAMETERS							
Terra Terra Exploration McCloud B #1		McCloud B #1									
Sampler: (Signature) <i>David C. Lawrence</i>		Chain of Custody Tape No.									
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers						
11/11/98 71	11/11/98	11:15		Soil	1						
				BTEX 802L	✓						
				TPH 8015	✓						
				GRO/DEO							
				4" Bertha T. B. B. B.							
<div>Relinquished by: (Signature) <i>David C. Lawrence</i></div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div> <div>Relinquished by: (Signature) _____</div>											
						Date		Time	Received by: (Signature)	Date	Time
						11/11/98		9:23			
						Date		Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)		Date	Time	Received by laboratory: (Signature)	Date	Time					
				<i>Chris Rayman</i>	4-22-98	0923					

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College Station, TX 77845  
Telephone (409) 776-8945

Inter-Mountain Laboratories, Inc.

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