

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

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

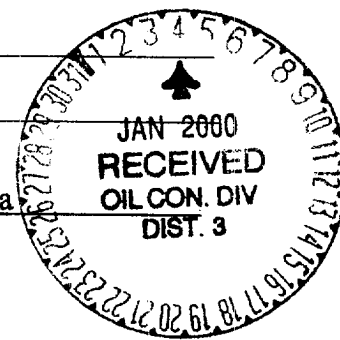
Facility Or: Federal Lease #2

Well Name

Location: Unit or Qtr/Qtr Sec I Sec 31 T 24N R 3W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM _____ State X Fee _____ Other _____



Pit Location: Pit dimensions: Length 25 ft width 25 ft depth 6 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 150 ft

Direction from reference: 15 Degrees X East North X
of
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: 9/15/98 Date Completed: 2/11/99

Excavation ☒ Approx. cubic yards 95
Landfarmed ☒ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action : On 9/24/98, the pit was excavated to a depth of 6 feet where bedrock was encountered. A soil sample was obtained from the north wall of the pit at a depth of 5 feet utilizing U.S.E.P.A. protocol and evaluated for GRO/DRO analysis. Excavated soils were landfarmed on site. On 2/11/99, the landfarm was tested and provided concentrations below NMOCD guidelines.

Ground Water Encountered: No ☒ 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 5 feet (Bedrock)

Sample date 9/24/98

Sample time 09:05

Sample Results

Benzene(ppm) _____

Total BTEX (PPM) _____

Field Headspace (ppm) 61

TPH 26.5

Ground Water Sample: Yes _____ No ☒ (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

Environmental Specialist: VFC

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:	Federal #2 Sep. Pit	Report Date:	10/13/98
Sample ID:	N. Wall @ 5'	Date Sampled:	09/24/98
Lab ID:	0398G05606	Date Received:	09/25/98
Sample Matrix:	Soil	Date Analyzed:	10/06/98
Condition:	Cool/Intact		

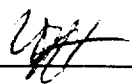
TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	11.5	5.0 mg/kg

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.

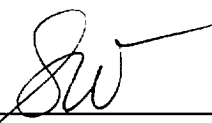
Project ID:	Federal #2 Sep. Pit	Report Date:	10/13/98
Sample ID:	N. Wall @ 5'	Date Sampled:	09/24/98
Lab ID:	0398G05606	Date Received:	09/25/98
Sample Matrix:	Soil	Date Analyzed:	10/08/98
Condition:	Cool/Intact		

TPH DIESEL-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Diesel-Range Petroleum Hydrocarbons	15	5.0 mg/kg

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By:



CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSES / PARAMETERS									
Taurus Exploration USA Inc		Federal HZ Sep Pit											
Sampler: (Signature)		Chain of Custody Tape No.		Remarks									
Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers								
Fed # 2 N Whales'	9/24/98	9:05		Soil	1	670/1000							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
[Signature]		9/24/98	08:10	[Signature]		9/24/98	08:10						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
[Signature]		9/24/98	9:55	[Signature]		9/24/98	9:55						
Relinquished by: (Signature)		Date	Time	Received by laboratory: (Signature)		Date	Time						
[Signature]		9/24/98		[Signature]		9/24/98							

Inter-Mountain Laboratories, Inc.

☐ 1633 Terra Avenue
 Sheridan, Wyoming 82801
 Telephone (307) 672-8945

☒ 1701 Phillips Circle
 Gillette, Wyoming 82718
 Telephone (307) 682-8945

☒ 2506 West Main Street
 Farmington, NM 87401
 Telephone (505) 326-4737

☐ 1160 Research Drive
 Bozeman, Montana 59718
 Telephone (406) 586-8450

☐ 11183 State Hwy. 30
 College Station, TX 77845
 Telephone (409) 776-8945

54071



Inter-Mountain Laboratories, Inc.

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

2506 West Main Street, Farmington, NM 87401

Client: Energen Resources
Project: Federal #2
Sample ID: Landfarm Comp 1
Lab ID: 0399W00907
Matrix: Soil
Condition: Cool/Intact

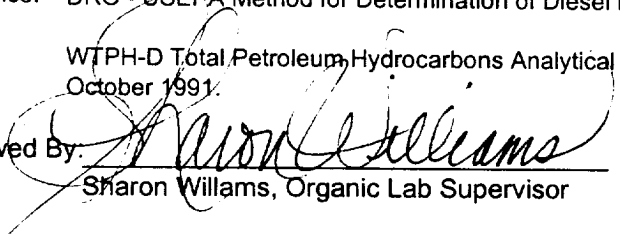
Date Reported: 02/23/99
Date Sampled: 02/11/99
Date Received: 02/12/99
Date Analyzed: 02/17/99

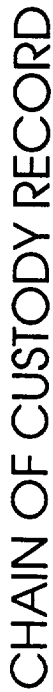
Parameter	Analytical Result	PQL	Units
DRO- METHOD 8015			
Diesel Range Organics	<5	5	mg/Kg
Diesel Range Organics as Diesel	<5	5	mg/Kg
Quality Control - Surrogate Recovery		%	QC Limits
o-Terphenyl(SUR-8015)		72	70 - 130
GRO - METHOD 8015			
Gasoline Range Organics	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg
Quality Control - Surrogate Recovery		%	QC Limits
a,a,a-Trifluorotoluene(SUR-8015)		110	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 Williams, Organic Lab Supervisor



CHAIN OF CUSTODY RECORD

[illegible]