

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: Florance Federal #8
Well Name

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

Pit Type: Separator _____ Dehydrator _____ Other Abandoned Pit

Land Type: BLM _____ State _____ Fee X Other _____

Pit Location: Pit dimensions: Length 50 ft width 50 ft depth 8 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 160 ft

Direction from reference: 30 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: 9/14/98 Date Completed: 9/14/98
Excavation _____ Approx. cubic yards 0
Landfarmed _____ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action : On 9/14/98, 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 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 12 feet

Sample date 9/14/98

Sample time 11:55

Sample Results

Benzene(ppm) 539

Total BTEX (PPM) 4.130

Field Headspace (ppm) 184

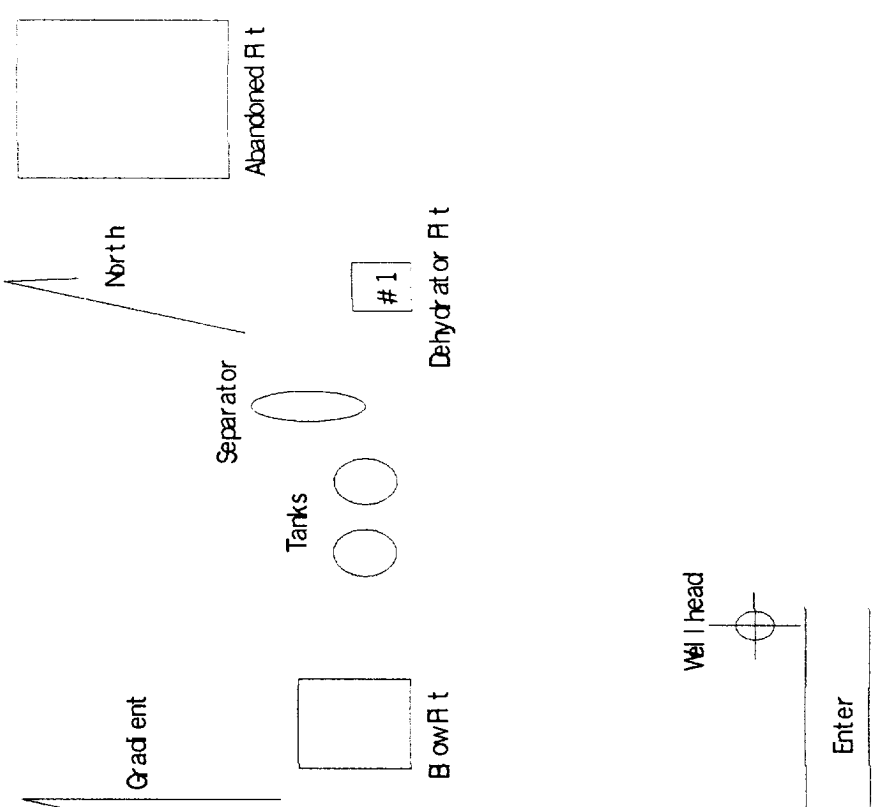
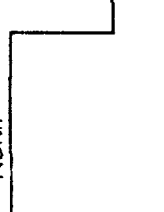
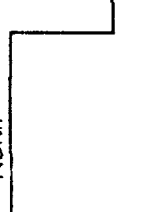
TPH <29

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 # 8		Overview of Location and Sampling :		
Quad : H	Section : 5			
Range : 3 W	Township: 25 N			
Pit : Abandoned Pit (Reserve Pit?)				
Reference : 160' N 30' E from wellhead				
Initial Size : 50' x 50' x 8' deep Final Size : 50' x 50' x 8' deep Yds. Excavated : 0 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	C Bottom @ 12'	184
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
10				
11				
12				
Comments : Top soil - 12' Soil is moist, light brown, sandy/loam with no staining and a slight hydrocarbon odor. No excavation was necessary. A sample from the center bottom at 12' was sent to IML for GRO/DRO and BTEX analysis.		Wellhead 		
		Enter		
Pit Profile : North to South :		Pit Profile : East to West :		
				

GASOLINE RANGE ORGANICS - GRO

Taurus Exploration U.S.A., Inc.

Project ID:	Florance Federal #8 Abandoned Pit	Report Date:	10/01/98
Sample ID:	C. Bottom @ 12'	Date Sampled:	09/14/98
Lab ID:	0398G05383	Date Received:	09/15/98
Sample Matrix:	Soil	Date Analyzed:	09/30/98
Condition:	Cool/Intact		

TPH GAS-RANGE (MOD EPA 8015)	RESULT	DETECTION LIMIT
Gasoline-Range Petroleum Hydrocarbons	24	5.0 mg/kg
Total Purgeable Hydrocarbons	23	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 #8 Abandoned Pit	Report Date:	10/01/98
Sample ID:	C. Bottom @ 12'	Date Sampled:	09/14/98
Lab ID:	0398G05383	Date Received:	09/15/98
Sample Matrix:	Soil	Date Analyzed:	09/30/98
Condition:	Cool/Intact		

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

ND - Analyte not detected at the stated detection limit.

Reference:

Comments:


Reported By:


Reviewed By

VOLATILE AROMATIC HYDROCARBONS**Taurus Exploration U.S.A., Inc.**

Project ID:	Florance Federal #8 Abandoned Pit	Report Date:	10/01/98
Sample ID:	C. Bottom @ 12'	Date Sampled:	09/14/98
Lab ID:	0398G05383	Time Sampled:	11:55
Sample Matrix:	Soil	Date Received:	09/15/98
Condition:	Cool/Intact	Date Extracted:	NA
		Date Analyzed:	09/30/98

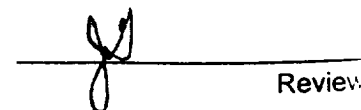
Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	539	10.0
Toluene	314	50.0
Ethylbenzene	172	50.0
m,p-Xylenes	2,259	50.0
o-Xylene	846	50.0

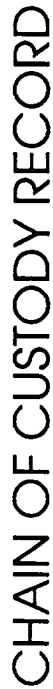
ND - Analyte not detected at the stated detection limit.

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

Reference: Method 5030, Purge and Trap; Method 8021B, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Revision 2, December, 1996.

Comments: N/A=Data not available.


Analyst
Review

[illegible]