

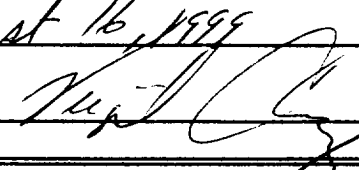
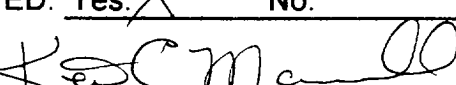
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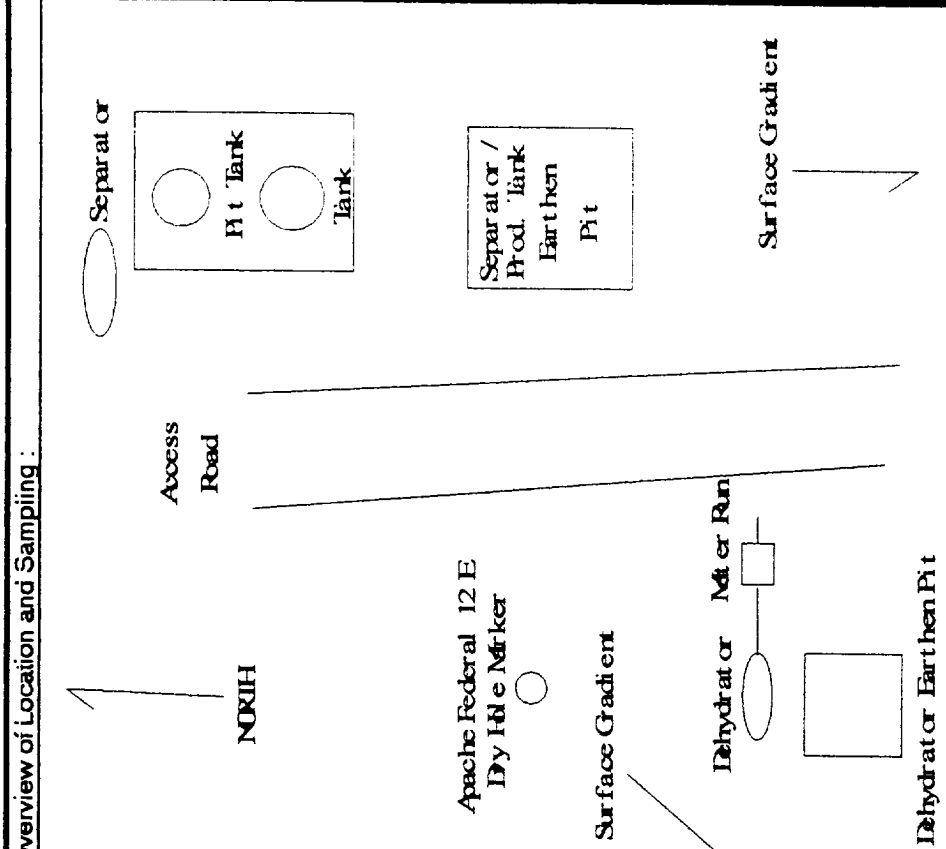
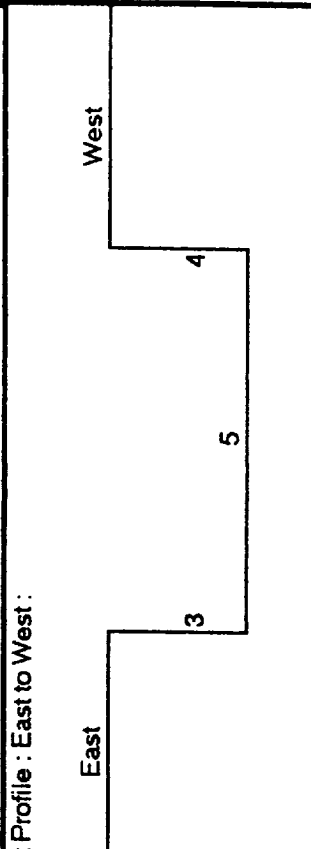
6-7099

Operator:	Elm Ridge Resources	Telephone:	(505) 326-7099
Address:	312 W. La Plata, Farmington, NM 87401		
Facility or Well Name:	Jicarilla Apache 12 - F		
Location:	Unit or Qtr/QTR	Sec "L" Sec 17, T 24 N, R 5 W County	Rio Arriba
Pit Type:	Separator:	Dehydrator: X	Other:
Land Type:	Range		
Pit Location:	Pit dimensions:	length: 25 ft	width: 63 ft depth: 21 ft
(Attach Diagram)			
Reference:	wellhead:	other: X Apache 12 E Dry Hole Marker	
Footage from reference:	155 feet		
Direction from reference:	10	Degrees	X East North
			of
		West	South X
Depth To Groundwater:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	(0 points)	0
high water elevations of			
groundwater)			
Distance to an Ephemeral Stream:	Less than 100 feet	(10 points)	
(Downgradient dry wash greater than	Greater than 100 feet	(0 points)	0
ten feet in width)			
Distance to Nearest Lake, Playa, or Watering	Less than 100 feet	(10 points)	
Pond: (Downgradient lakes, playas, and	Greater Than 100 feet	(0 points)	0
livestock or wildlife watering ponds)			
Wellhead Protection Area:	Yes	(20 points)	
(Less than 200 feet from a private	No	(0 points)	0
domestic water source, or less than			
1000 feet from all other water sources)			
Distance To Surface Water:	Less than 100 feet	(20 points)	
(Horizontal distance to perennial	100 feet to 1000 feet	(10 points)	
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	0
irrigation canals and ditches.)			
RANKING SCORE (TOTAL SCORE):			0

Jicarilla Apache Tribe
Environmental Protection Office
P.O. Box 507
Dulce, New Mexico 87528

Pit Remediation and Closure Report

Date Remediation Started: 8/9/99		Date Completed 8/11/99	
Remediation Method:	Excavation: ☒	Approx. cubic yards: 1208	
(Check all appropriate sections)	Landfarmed: ☒	Insitu Bioremediation: _____	
	Other: _____		
Remediation Location:	On-site: ☒	Off-site: _____	
(I.e. landfarmed on site, name and location of off site location)			
General Description of Remedial Action: Soil was excavated and landfarmed on location.			
Groundwater Encountered: No: ☒ Yes: _____ Depth: _____			
Final Pit	Sample location: Pit Bottom @ 21 feet below surface. Pit		
Closure Sampling:	walls were analyzed for Headspace (see attachment).		
(If multiple samples, attach sample results and diagram of sample locations and depths.)			
	Sample depth: 21 feet		
	Sample date: 8/11/99	Sample time: 15:00	
Sample Results:			
Soil:		Water:	
Benzene (ppm)	ND	Benzene (ppb)	
Total BTEX (ppm)	1.18	Toluene (ppb)	
Field Headspace (ppm)	540	Ethylbenzene (ppb)	
TPH (ppm)	232	Total Xylenes (ppb)	
Groundwater Sample:	Yes: _____	No: ☒	
(If yes, attach sample results.)			
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE: August 16, 1999		Virgil Chavez	
SIGNATURE: 		AND TITLE: Environmental Specialist	
AFTER REVIEW OF THE PIT CLOSURE INFORMATION PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: Yes: ☒ No: _____ (Reason)			
SIGNED: 		DATE: 8-17-99	

Location: Jicarilla Apache 12 - F		Overview of Location and Sampling:			
Quad: L	Section: 17				
Range: 5W	Township: 24N				
Pit: Dehydrator Pit					
Reference: 155' S 10' E from Apache 12 E marker.					
Initial Size: 15' x 15' x 2' deep					
Final Size: 25' x 63' x 21' deep					
Yds. Excavated: 1208 cy					
Depth to Groundwater: >100'					
Nearest Water Source: >1000'					
Nearest Surface Water: >1000'					
Nearest Ephemeral Stream: >1000'					
EPO Ranking Score: 0					
TPH Closure Standard: 5000					
Comments: Top soil - 21' Soil is moist, tan colored, sandy/clay/loam with dark brown staining, and a strong hydrocarbon odor. 21' Soil is moist, brown, sandy/loam with no staining and a slight hydrocarbon odor. A sample from the center bottom at 21' was sent to "On Site Technologies" for 8015 GRO/DRO and 8021 BTEX analysis.					
Pit Profile: North to South:				Pit Profile: East to West:	

**ANALYTICAL REPORT**

Date: 16-Aug-99

Client:	Cimarron Oilfield Service	Client Sample Info:	Jicarilla Apache 12-F Dehy Pit
Work Order:	9908029	Client Sample ID:	Jicarilla Apache 12-F @ 21ft.
Lab ID:	9908029-01A	Matrix:	SOIL
Project:	Jicarilla Apache 12-F	Collection Date:	08/11/1999 3:00:00 PM
		COC Record:	5730

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	200	25		mg/Kg	1	08/13/1999
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C6-C10	32	4.5		mg/Kg	25	08/13/1999
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	50		µg/Kg	50	08/12/1999
Toluene	ND	100		µg/Kg	50	08/12/1999
Ethylbenzene	140	50		µg/Kg	50	08/12/1999
m,p-Xylene	810	100		µg/Kg	50	08/12/1999
o-Xylene	230	50		µg/Kg	50	08/12/1999

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surrogate

1 of 1

Date:

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]