

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

Total Submittal from well
PIT REMEDIATION AND CLOSURE REPORT

OK

Operator: <u>Elm Ridge Resources</u>		Telephone: <u>(505) 326-7099</u>	
Address: <u>312 W. La Plata Street, Farmington, NM</u>			
Facility or Well Name: <u>J Apache "A" Well #9</u>			
Location: Unit or Qtr/Qtr Sec <u>C</u> Sec <u>36</u> T <u>25N</u> R <u>5W</u> County <u>Rio Arriba</u>			
Pit Type: Separator <u>X</u> Dhydrator <u> </u> Other <u>Production Tank</u>			
Land Type: <u>Range Jicarilla</u>			
RECEIVED APR 20 2000 OIL CON. DIV. DIST. 3			
Pit Location: (Attach diagram)		Pit dimensions: length <u>45'</u> , width <u>30'</u> , depth <u>13'</u>	
		Reference: wellhead <u>X</u> , other <u> </u>	
		Footage from reference: <u>93'</u>	
		Direction from reference: <u>25</u> Degrees <u>X</u> East of North <u> </u> <u> </u> West of South <u>X</u>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)		Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) <u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)		Less than 100 feet Greater than 100 feet	(10 points) (0 points) <u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)		Less than 100 feet Greater than 100 feet	(10 points) (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 No	(20 points) (0 points) <u>0</u>
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points) <u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>	

Date Remediation Started: December 14, 1998

Date Completed: December 22, 1998

Remediation Method: Excavation _____
(Check all appropriate sections) Landfarmed X

Approx. cubic yards 650

In situ Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

(i.e. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: Excavation

Groundwater Encountered:

No X

Yes _____

Depth _____

Final Pit:

Sample location Center of pit bottom at 13'

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample depth 13' AL

Sample date 12-22-98

Sample time 1340

Sample Results

Soil: Benzene (ppm) _____

Water: Benzene (ppb) _____

Total BTEX (ppm) _____

Toluene (ppb) _____

Field Headspace (ppm) 10.1

Ethylbenzene (ppb) _____

TPH (ppm) 1100

Total Xylenes (ppb) _____

Groundwater Sample: Yes _____ No X (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 December 28, 1998

PRINTED NAME Billy Schaaphok

SIGNATURE Billy Schaaphok

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 X NO _____ (REASON) _____

SIGNED: Ken Mc

DATE: 12-28-98

Location : J Apache "A" Well #9		Overview of Location and Sampling :																																								
Quad : C Section : 36																																										
Range : SW Township: 25N																																										
Pit : Separator/Tank Reference : 93' S25E Of wellhead Initial Size : 15'x15'x4' deep Final Size : 45' x 30' x 13' deep Yds. Excavated : 650 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>Nwall@8'</td><td>0.1</td></tr> <tr><td>2</td><td>Swall@8'</td><td>1</td></tr> <tr><td>3</td><td>Wwall@8'</td><td>0.6</td></tr> <tr><td>4</td><td>Ewall@8'</td><td>0</td></tr> <tr><td>5</td><td>Btm@10'</td><td>10.1</td></tr> <tr><td>6</td><td>Btm@13'</td><td>6.8</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	Nwall@8'	0.1	2	Swall@8'	1	3	Wwall@8'	0.6	4	Ewall@8'	0	5	Btm@10'	10.1	6	Btm@13'	6.8	7			8			9			10			11			12		
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11																																										
12																																										
Depth to Groundwater : >100' Nearest Water Source : >1000' Nearest Surface Water : >1000' NMOCB Ranking Score: 0 TPH Closure Standard: 5000																																										
Comments : 0'-8' Sandy clay, light brown, damp, broken sandstone 8'-13' Bottom, sandy clay, light brown, moist slight odor, no staling																																										
Pit Profile : North to South :		Pit Profile : East to West :																																								

OFF: (505) 325-5667

ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 28-Dec-98

CLIENT: Elm Ridge Resources, Inc.

Project: Jicarilla A #9

Lab Order: 9812049

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods. SW846. 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Dec-98

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Resources
Work Order:	9812049	Client Sample ID:	Jic A #9 Btm 4 13 ft
Lab ID:	9812049-01A	Matrix:	SOIL
Project:	Jicarilla A #9	Collection Date:	12 22 98 1:40:00 PM
		COC Record:	5639

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	1100	25		mg/Kg	1	12/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	12/24/98

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Sum: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

ON SITE TECHNOLOGIES, LTD. 10000 N. 10000 E. FARMINGTON, NM 87499



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

CHAIN OF CUSTODY RECORD

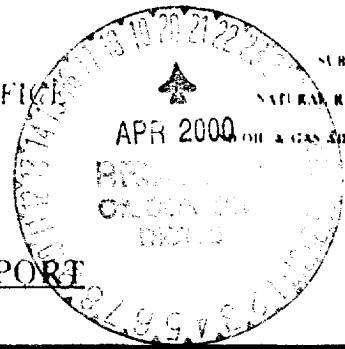
5639

Date: 11/1/01

Page 1 of 1

Purchase Order No.:		Job No.	
Name		Dept.	
Company		Address	
City, State, Zip		Telephone No.	
SEND INVOICE TO		REPORT RESULTS TO	
Name		Title	
Company		Mailing Address	
City, State, Zip		Telefax No.	
Sampling Location:		ANALYSIS REQUESTED	
Sampler:		Number of Containers	
SAMPLE IDENTIFICATION		LAB ID	
DATE		TIME	
MATRIX		PRES.	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Method of Shipment:		Date/Time	
Authorized by:		Date	
(Client Signature Must Accompany Request)		24-48 Hours	
Distribution: White - On Site		Yellow - LAB	
Pink - Sampler		Goldencord - Client	

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528



ON-SITE SOIL REMEDIATION REPORT

Operator: Elm Ridge Resources Telephone: (505) 326-7099

Address: 312 W La Plata, Farmington NM 87401

Facility or Well Name: J. Apache "A" Well #9

Location: Unit or Qtr/Qtr Sec C Sec 36 T25N R5W County Rio Arriba

Land Type: Jicarilla Range

Date Remediation Started: 12-14-98 Date Completed: 9-13-99

Remediation Method: Landfarmed X Approx. cubic yards 662
Composted
Other

Depth To Groundwater: (pts.) 0

Distance to an Ephemeral Stream (pts.) 0

Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0

Wellhead Protection Area: (pts.) 0

Distance To Surface Water: (pts.) 0

Final Closure Sampling:

Sampling Date: 9-13-99 Time: 0930

Sample Results:

Field Headspace (ppm) 5.6

TPH (ppm) GRO ND Method 8015
DRO 390

Other

RANKING SCORE (TOTAL POINTS): 0

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

DATE 9-23-99 PRINTED NAME Bill Schaaphok
SIGNATURE Bill Schaaphok AND TITLE Environmental Specialist

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES NO (REASON)

SIGNED: DATE:

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Sep-99

Client:	Elm Ridge Resources, Inc.	Client Sample Info:	Elm Ridge Landfarms
Work Order:	9909043	Client Sample ID:	A-9 LF 1-1
Lab ID:	9909043-04A	Matrix:	SOIL
Project:	Elm Ridge Landfarms	Collection Date:	9/13/99 9:30:00 AM
		COC Record:	10260

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	390	25		mg/Kg	1	9/17/99
GASOLINE RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C6-C10	ND	0.18		mg/Kg	1	9/16/99

Qualifiers:

PQL - Practical Quantitation Limit

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J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INITIATIVE WITH THE STATE OF NEW MEXICO

1 of 1

Location : <u>J Apache "A" Well #9</u> Quad : <u>C</u> Section : <u>36</u> Township: <u>25N</u> Range: <u>5W</u> Pit : <u>Separator</u> Reference : <u>60' N</u> Size : Yds : <u>662</u> 4-5 - Point Composite		Overview of Landfarm and Sampling :																																						
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Comments : <u>hardly lean, sandstone, moist, some staining slight odor, sample depth 8" to 12"</u>																																								
Environmental Specialist : <u>BS</u>																																								

