

OK

APPROVED

APPROVED

Land Type:

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

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Less than 100 feet (10 points) 0
Greater than 100 feet (0 points) 0

Less than 100 feet (10 points)
Greater than 100 feet (0 points) 0

Yes (20 points)
No (0 points) 20

Less than 100 feet (20 points)
100 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: BRET CUMMINS Date Completed: 4/16/98

Remediation Method: Excavation X Approx. cubic yards 1100 CY

(Check all appropriate sections)

Landfirmed X

In situ Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action: REMOVE CONTAMINATED SOIL FROM PIT AREA, SPREAD IN SOIL FARM

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - Center

BANK SAMPLE (4)

Closure Sampling:

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

SANDSTONE AT 12' DEEP

GAS ND (PPB)

DIE ND (PPM)

Sample depth 12'-15'

Sample date 4/16/98

Sample time 10:20A

PID 1.0 PPM

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 52.0

Ethylbenzene (ppb) N/A

TPH (ppm) GAS 1.4

Total Xylenes (ppb) N/A

DIE ND

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 4/29/98 PRINTED NAME SHAWN ADAMS

SIGNATURE [Signature] AND TITLE ENV. CONSULTANT

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: [Signature] DATE: 4-29-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" W10 GL
Work Order:	9804022	Client Sample ID:	JF10-GL 101; Floor
Lab ID:	9804022-02A	Matrix:	SOIL
Project:	Jicarilla Apache "F" W10 GL	Collection Date:	4/16/98 10:20:00 AM
		COC Record:	4334

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	1	4/23/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	1400	180		µg/Kg	1	4/22/98
Surr: Trifluorotoluene	105.3	70-130		%REC	1	4/22/98

= 1.4 PPM CONVERSION

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

Surr: - Surrogate

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" W10 GL
Work Order:	9804022	Client Sample ID:	JF10-GL 100; Wall
Lab ID:	9804022-01A	Matrix:	SOIL
Project:	Jicarilla Apache "F" W10 GL	Collection Date:	4/16/98 10:15:00 AM
		COC Record:	4334

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	1	4/23/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/22/98
Surr: Trifluorotoluene	90.3	70-130		%REC	1	4/22/98

Qualifiers:

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- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

SF
AREA

R
A
M
P

EXCAVATION

400
BBL
TANK

① WHEELS

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

ON-SITE SOIL REMEDIATION REPORT

APPROVED

Operator: ELM RIDGE RESOURCES Telephone: (505) 326-7099

Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401

Facility or Well Name: JICARILLA APACHE F #10

Location: Unit or Qtr/Qtr Sec C Sec 16 T 25N R 5W County RIO ARIZONA

Land Type: _____

Date Remediation Started: BRET CUMMINS

Date Completed: 4/14/98

Remediation Method: Landfarmed X

Approx. cubic yards 1100 CY

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.) 20

Distance To Surface Water: (pts.) 0

Final Closure Sampling:

Sampling Date: 4/16/98 Time: 10:27 A

Sample Results:

Field Headspace (ppm) 5.0 (PPB)

TPH (ppm) GAS ND Method 8015M
DIE ND

Other _____

RANKING SCORE (TOTAL POINTS): 20

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

DATE 4/22/98 PRINTED NAME SHAWN ADAMS

SIGNATURE [Signature] AND TITLE ENV. CONSULTANT

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

APPROVED: YES X NO _____ (REASON) _____

SIGNED: [Signature] DATE: 4-29-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" W10 GL
Work Order:	9804022	Client Sample ID:	JF10-GL 102; Landfarm
Lab ID:	9804022-03A	Matrix:	SOIL
Project:	Jicarilla Apache "F" W10 GL	Collection Date:	4/16/98 10:27:00 AM
		COC Record:	4334

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	1	4/23/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/22/98
Surr: Trifluorotoluene	95.7	70-130		%REC	1	4/22/98

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Surr - Surrogate

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TECHNICAL REPORT - ANALYSIS OF JICARILLA APACHE "F" W10 GL



CHAIN OF CUSTODY RECORD

4334

Date: 4/16/98
Page 1 of 1

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

Purchase Order No.:		Job No.		Name		Title	
SEND INVOICE TO		Company		Mailing Address		City, State, Zip	
Address		City, State, Zip		Telephone No.		Telefax No.	
Name: <u>Shawn Adams</u>		Company: <u>SAH</u>		Mailing Address: <u>SAH</u>		City, State, Zip: <u>SAH</u>	
Address: <u>P.O. Box 3776</u>		City, State, Zip: <u>Farmington NM</u>		Telephone No.: <u>325-1199</u>		Telefax No.: <u></u>	
City, State, Zip: <u>Farmington NM</u>		Telephone No.: <u>325-1199</u>		Telefax No.: <u></u>		Title: <u></u>	
Sampling Location: <u>Sicariilla Apache 11" W106L</u>		Analysis Requested: <u></u>		Analysis Requested: <u></u>		Analysis Requested: <u></u>	
Sampler: <u>James K. Kirby</u>		Number of Containers: <u>1</u>		LAB ID: <u>7804022-01R</u>		LAB ID: <u>-02A</u>	
SAMPLE IDENTIFICATION		DATE		TIME		PRES.	
<u>JE 10-66 100 WALL</u>		<u>4/16/98</u>		<u>1015</u>		<u>Soil</u>	
<u>JE 10-66 101 Floor</u>		<u>4/16/98</u>		<u>1020</u>		<u>Soil</u>	
<u>JE 10-66 102 Land Form</u>		<u>4/16/98</u>		<u>1027</u>		<u>Soil</u>	
Relinquished by: <u>Shawn Adams</u>		Date/Time: <u>4/17/98</u>		Received by: <u>JFK</u>		Date/Time: <u>4/17/98 1521</u>	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Method of Shipment:		Rush		24-48 Hours		10 Working Days	
Authorized by: <u>GAA</u>		Date: <u>4/17</u>		Special Instructions:		Special Instructions:	

CONTRACT ENVIRONMENTAL

DATE 4/16/98 TIME STARTED 12:00 TIME FINISHED 11:00

SITE NAME Jicarilla Apache "F" well 10 GL

PIT SIZE AT START x x PIT SIZE WHEN FINISHED x x

P.I.D. READINGS

SEP

NORTH WALL #1 _____ #2 _____ #3 _____ FINALE TIME _____

SOUTH WALL #1 _____ #2 _____ #3 _____ FINALE TIME _____

EAST WALL #1 _____ #2 _____ #3 _____ FINALE TIME _____

WEST WALL #1 _____ #2 _____ #3 _____ FINALE TIME _____

WALL COMPOSITE #1 1.0 #2 _____ #3 _____ FINALE TIME 1015

FLOOR #1 52.0 #2 _____ #3 _____ FINALE TIME 1020

LAND FARM 5.0 SAMPLE TIME 1027

SPOIL PILE _____ SAMPLE TIME _____

REMARKS: Sand Stone AT 12'

