

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

APPROVED

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: BRET Cummins

Date Completed: 4/15/98

Remediation Method: Excavation X

Approx. cubic yards 850 + RAMP

(Check all appropriate sections)

Landfirmed X

Insitu Bioremediation _____

Other _____

Remediation Location:

Onsite X Offsite _____

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

General Description of Remedial Action: EXCAVATE CONTAMINATED SOIL, SPREAD ON LOCATION IN SOIL FARM

Groundwater Encountered:

No X

Yes _____

Depth _____

Final Pit:

Sample location Pit Bottom • CENTER

4 BANKS N, S, E, W

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 28'

GAS ND PPB

DIE 79 PPM

by EPA 8015M

Sample date 4/15/98

Sample time 1:27 PM

Sample Results

Soil: Benzene

(ppm)

N/A

Water: Benzene

(ppb)

N/A

Total BTEX

(ppm)

N/A

Toluene

(ppb)

N/A

Field Headspace (ppm)

0.0

Ethylbenzene

(ppb)

N/A

TPH 8015M

(ppm)

GAS ND PPB
DIE 69 PPM

Total Xylenes

(ppb)

N/A

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

5/5/98

PRINTED NAME

SHAWN A. ADAMS

SIGNATURE

Shawn Adams

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: Ken C. M...

DATE: 5-7-98

CONTRACT ENVIRONMENTAL

DATE 4/15/98 TIME STARTED 1300 TIME FINISHED 1400

SITE NAME J. Backe "F" well 13

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

P.I.D READINGS

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 0.0 #2 _____ #3 _____ FINALE TIME 1315

FLOOR #1 0.0 #2 _____ #3 _____ FINALE TIME 1327

LAND FARM 0.0 SAMPLE TIME 1340

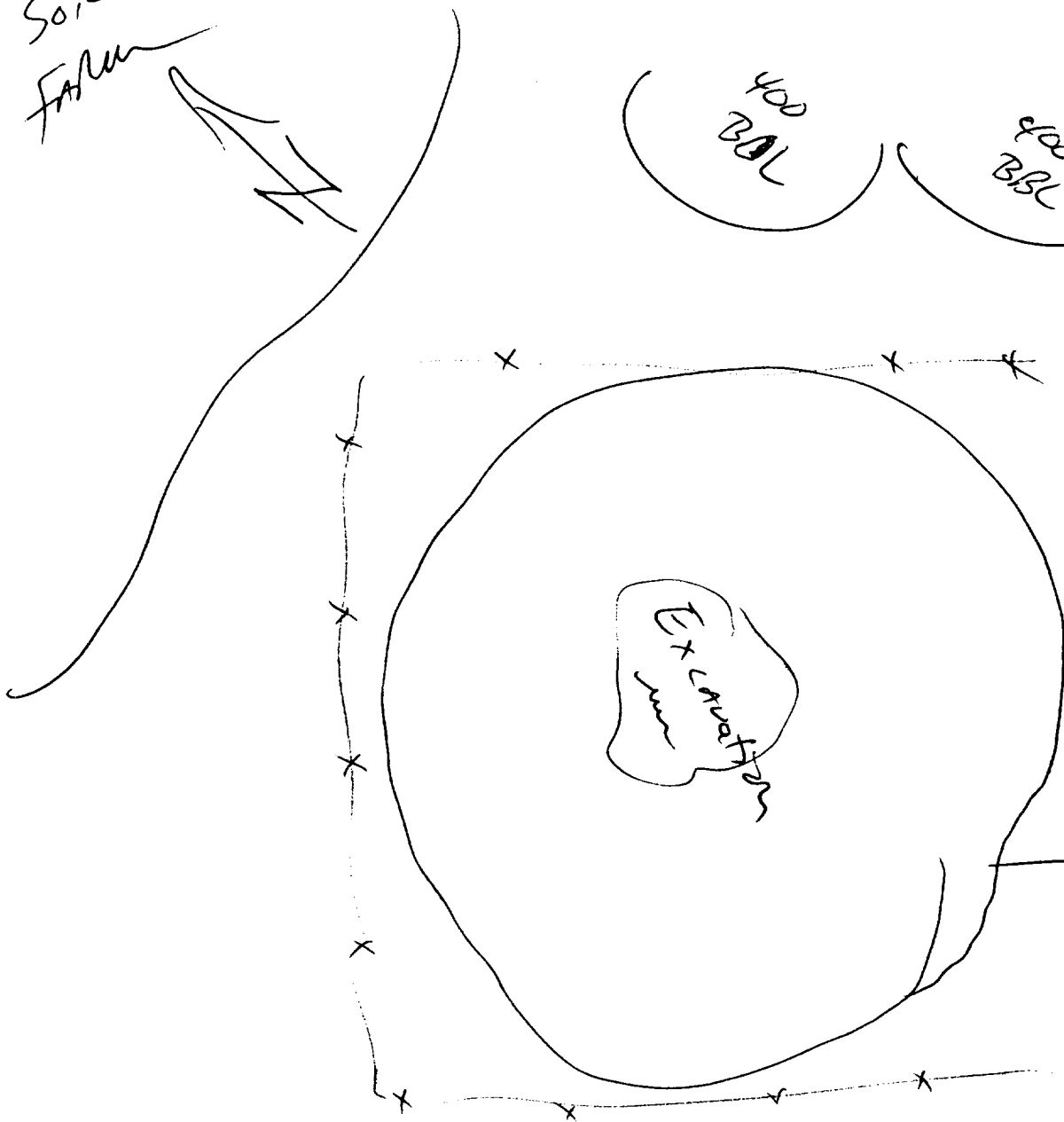
SPOIL PILE 0.0 SAMPLE TIME 1340

REMARKS: _____

Soil
Failure

400
BBL

800
BBL



Ramp

Depth

width

⑥ affected

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" Well 13
Work Order:	9804017	Client Sample ID:	JF13-101; Floor
Lab ID:	9804017-02A	Matrix:	SOIL
Project:	Jicarilla Apache "F" Well 13	Collection Date:	4/15/98 1:27:00 PM
		COC Record:	4329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	69	25		mg/Kg	1	4/22/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/21/98
Surr: Trifluorotoluene	103.6	70-130		%REC	1	4/21/98

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: 24-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" Well 13
Work Order:	9804017	Client Sample ID:	JF13-100; Wall
Lab ID:	9804017-01A	Matrix:	SOIL
Project:	Jicarilla Apache "F" Well 13	Collection Date:	4/15/98 1:15:00 PM
		COC Record:	4329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	79	25		mg/Kg	1	4/22/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/21/98
Surr: Trifluorotoluene	90.1	70-130		%REC	1	4/21/98

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- 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: 24-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" Well 13
Work Order:	9804017	Client Sample ID:	JF13-103; Spoil Pile
Lab ID:	9804017-04A	Matrix:	SOIL
Project:	Jicarilla Apache "F" Well 13	Collection Date:	4/15/98 1:50:00 PM
		COC Record:	4329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/22/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/21/98
Surr: Trifluorotoluene	103.9	70-130		%REC	1	4/21/98

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

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

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

ON-SITE SOIL REMEDIATION REPORT

APPROVED

Operator: <u>ELM RIDGE RESOURCES</u> Telephone: <u>(505) 326-7099</u>	
Address: <u>312 W. LAPLATA ST., FARMINGTON, NM 87401</u>	
Facility or Well Name: <u>JICARILLA APACHE "F" WELL # 13</u>	
Location: Unit or Qtr/Qtr Sec <u>L</u> Sec <u>18</u> T <u>25N</u> R <u>5W</u> County <u>RIO ARriba</u>	
Land Type: _____	
Date Remediation Started: <u>BRETT CUMMINS</u> Date Completed: <u>4/15/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>850 + RAMP</u>	
Composted _____	
Other _____	
Depth To Groundwater: (pts.) <u>20</u>	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.) <u>10</u>	Sampling Date: <u>4/15/98</u> Time: <u>1:40</u>
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	Sample Results:
Wellhead Protection Area: (pts.) <u>0</u>	Field Headspace (ppm) <u>0.0 ppm</u>
Distance To Surface Water: (pts.) <u>0</u>	TPH (ppm) <u>Gas - ND</u> Method <u>8015 M</u>
	DIE - <u>80 ppm</u>
	Other _____
RANKING SCORE (TOTAL POINTS): <u>30</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>12/22/98</u>	PRINTED NAME <u>SHAWN ADAMS</u>
SIGNATURE <u>[Signature]</u>	AND TITLE <u>ENV. CONSULTANT</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <u>X</u> NO _____ (REASON) <u>may be used as backfill, if needed.</u>	
SIGNED: <u>Karena L. Callado</u>	DATE: <u>22 DEC 98</u>

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "F" Well 13
Work Order:	9804017	Client Sample ID:	JF13-102; Landfarm
Lab ID:	9804017-03A	Matrix:	SOIL
Project:	Jicarilla Apache "F" Well 13	Collection Date:	4/15/98 1:40:00 PM
		COC Record:	4329

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	80	25		mg/Kg	1	4/22/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/21/98
Surr: Trifluorotoluene	98.6	70-130		%REC	1	4/21/98

Qualifiers:

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E - Value above quantitation range

Surr: - Surrogate

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

Purchase Order No.:		Job No.		Name <u>Shawn Adams</u>		Company <u>Contract Environmental</u>		Dept.	
SEND INVOICE TO		Address <u>P.O. Box 3726</u>		City, State, Zip <u>Far-mington NM. 87499</u>		City, State, Zip <u>Far-mington NM. 87499</u>		Telephone No. <u>325-1198</u>	
Sampling Location: <u>5. Abacie 1 1/2" well 13</u>		Name <u>James K. Kirby</u>		Date <u>4/15/98</u>		Time <u>1315</u>		Matrix <u>Soil</u>	
Sample ID		Sample Description		Date		Time		Matrix	
JF13 100 Well		JF13 101 Floor		JF13 102 Land Farm		JF13 103 Soil Pile		JF13 104 Soil	
JF13 105 Soil		JF13 106 Soil		JF13 107 Soil		JF13 108 Soil		JF13 109 Soil	
JF13 110 Soil		JF13 111 Soil		JF13 112 Soil		JF13 113 Soil		JF13 114 Soil	
JF13 115 Soil		JF13 116 Soil		JF13 117 Soil		JF13 118 Soil		JF13 119 Soil	
JF13 120 Soil		JF13 121 Soil		JF13 122 Soil		JF13 123 Soil		JF13 124 Soil	
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