

SUBMIT COPY TO
NATURAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

111

AND OIL & GAS ADMINISTRATION

APPROVED

RANKING SCORE (TOTAL POINTS): 0

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

Remediation Method: Excavation X Approx. cubic yards 578

(Check all appropriate sections)

Landfarmed X

In situ Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

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

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

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - Center

4 BANKS

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 20'

GAS ND (ppm)

DIE ND (ppm)

Sample date 4/16/98

Sample time 11:10 A

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) 2.0

Ethylbenzene (ppb) N/A

TPH (ppm) GAS ND

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 4/20/98 PRINTED NAME SHAWN 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. Mann DATE: 4-29-98

CONTRACT ENVIRONMENTAL

DATE 4/16/98 TIME STARTED 10:15 TIME FINISHED 11:42

SITE NAME Jicarilla Apache "F" well 9

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 1.0 #2 _____ #3 _____ FINALE TIME 10:25

FLOOR #1 2.0 #2 _____ #3 _____ FINALE TIME 10:36

LAND FARM 7.0 SAMPLE TIME 10:42

SPOIL PILE _____ SAMPLE TIME _____

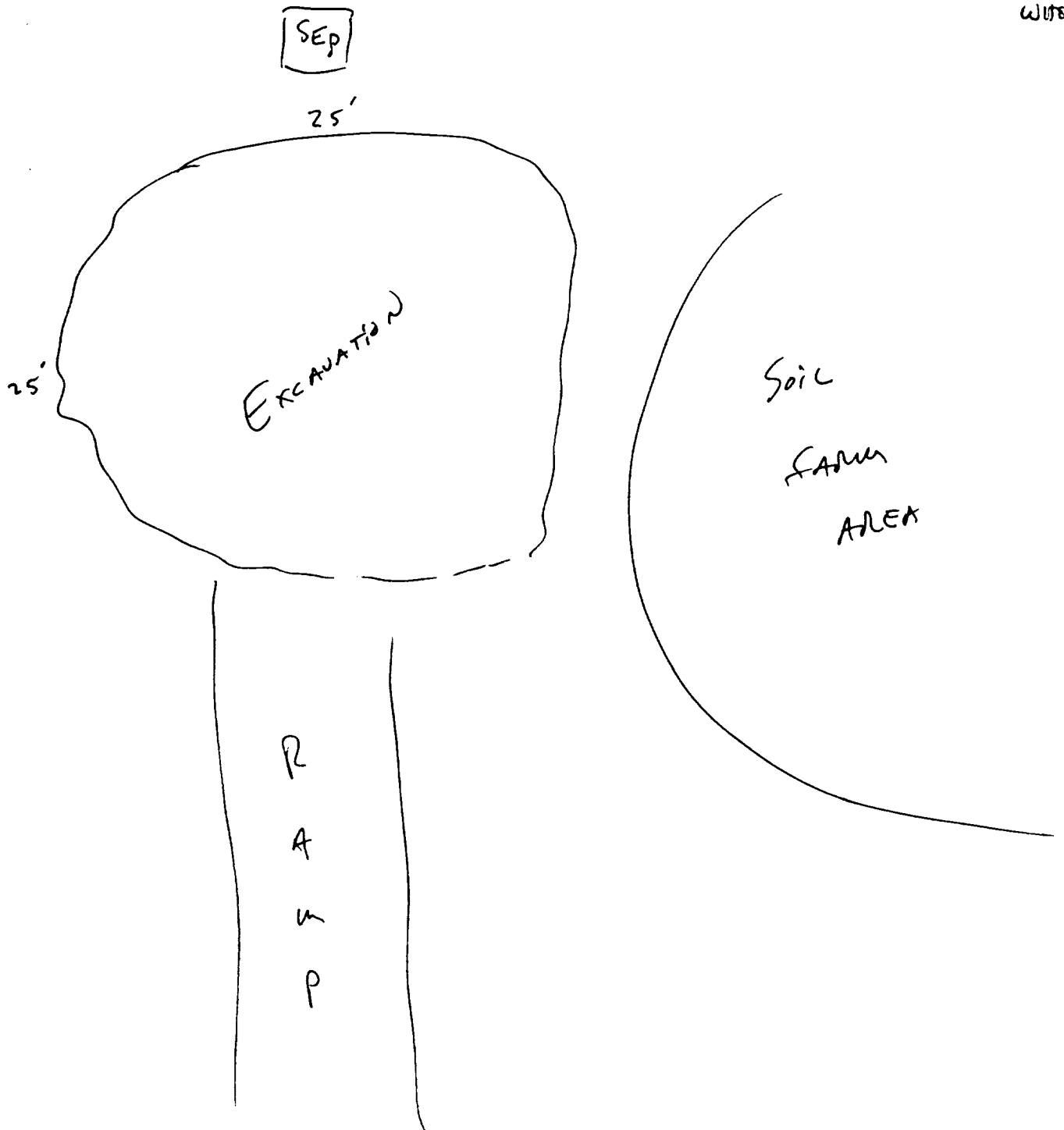
REMARKS: The Jicarilla Apache "F" well 9
and the Jicarilla Apache "F" well 9-T
are: Have the same land form

Frank

COC
4336



①
wind



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" Well 9

Work Order: 9804024

Client Sample ID: JAF9-101; Floor

Lab ID: 9804024-02A **Matrix:** SOIL

Collection Date: 4/16/98 11:36:00 AM

Project: Jicarilla Apache "F" Well 9

COC Record: 4336

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	98.0	70-130		%REC	1	4/22/98

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

1 of 1

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TECHNOLOGIES, LTD. REPORTING LABORATORY SERVICES • PHONE (505) 325-5667

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804024
Lab ID: 9804024-01A **Matrix:** SOIL
Project: Jicarilla Apache "F" Well 9

Client Sample Info: Jicarilla Apache "F" Well 9
Client Sample ID: JAF9-100; Wall
Collection Date: 4/16/98 11:25:00 AM
COC Record: 4336

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	99.0	70-130		%REC	1	4/22/98

Qualifiers:

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Surr: - Surrogate

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TECHNOLOGIES, LTD. IS AN EQUAL OPPORTUNITY EMPLOYER

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: ELM RIDGE RESOURCES Telephone: (505) 326-7099
Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401
Facility or Well Name: JICARILLA APACHE F #9
Location: Unit or Qtr/Qtr Sec P Sec 16 T 25N R 5W County Rio ARriba
Land Type: _____

Date Remediation Started: BRETT CUMMINS Date Completed: 4/16/98
Remediation Method: Landfarmed X Approx. cubic yards 31 + Ramp
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: 4/16/98 Time: 11:42A

Sample Results:

Field Headspace (ppm) 7.0

TPH (ppm) GAS ND Method 8015M

Other DIE 290

GAS ND from COL 4335!
DIE 190

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 4/28/98 PRINTED NAME STAN 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) Not for use as Backfill

SIGNED: [Signature] DATE: 4-28-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804024
Lab ID: 9804024-03A **Matrix:** SOIL
Project: Jicarilla Apache "F" Well 9

Client Sample Info: Jicarilla Apache "F" Well 9
Client Sample ID: JAF9-102; Landfarm
Collection Date: 4/16/98 11:42:00 AM
COC Record: 4336

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	290	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	86.9	70-130		%REC	1	4/22/98

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

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— Testing Agency Report for Environmental Services — Farmington, NM



TECHNOLOGIES, LTD.

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

CHAIN OF CUSTODY RECORD

4336

Date: 4/16/98

Page 1 of 1

Purchase Order No.:

Job No.

SEND INVOICE TO

Name: Shaun Adams
Company: Contract Envir.
Address: P.O. Box 2776
City, State, Zip: Farmington NM 87499

Sampling Location:

Jicarilla Apache "F" Well 9

Sampler:

James K. Kirby

SAMPLE IDENTIFICATION

SAMPLE	IDENTIFICATION	SAMPLE		MATRIX	PRES.
		DATE	TIME		
JAE9	100 Well	4/16/98	10:35	Soil	W/A
JAE9	101 Floor	4/16/98	10:36	Soil	W/A
JAE9	102 Land Farm	4/16/98	10:42	Soil	W/A

Number of Containers

6/10/98 102 EPA 8015M

REPORT RESULTS TO

Name: Shaun Adams
Company: Contract Envir.
Mailing Address: SA M
City, State, Zip: 87499
Telephone No.: 325-1198
Telefax No.:

ANALYSIS REQUESTED

LAB ID

9804024-01A

-02A

-03A

Relinquished by:

Shaun Adams

Date/Time: 4/17/98 10:00

Received by:

JS

Date/Time: 4/17/98 15:21

Relinquished by:

Date/Time:

Received by:

Rush

Date/Time:

Method of Shipment:

24-48 Hours

10 Working Days

Special Instructions:

Authorized by:

SA (Client Signature Must Accompany Request)

Date: 4/17