

OK LF data
included
Sampling date

SUBMIT COPY TO
NATURAL RESOURCES DEPT
AND OIL & GAS ADMINISTRATION

APPROVED

RANKING SCORE (TOTAL POINTS): 50

Date Remediation Started: BRET CUMMINS Date Completed: 4/17/98

Remediation Method: Excavation X Approx. cubic yards 20 cy

(Check all appropriate sections)

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action: REMOVE CONTAMINATED SOIL, STOCKPILE + SPREAD ON LOCATION IN SOIL FARM OR STOCKPILE

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 5-6'

GAS ND (PPB)

DIE ND (PPM)

Sample date 4/17/98

Sample time 8:22 AM

METHOD: EPA 8015M

Sample Results

PID 0.4 (PPM)

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 6.0

Ethylbenzene (ppb) N/A

TPH (ppm) GAS ND (PPB)

Total Xylenes (ppb) N/A

DIE 37 (PPM)

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

5/19/98

PRINTED NAME SHAWN ADAMS

SIGNATURE

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: Karena L. Callado

DATE: May 19, 1998

CONTRACT ENVIRONMENTAL

DATE 4/17/98 TIME STARTED 08:05 TIME FINISHED 08:45
SITE NAME Jicarilla Apache A well OK

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 0.4 #2 _____ #3 _____ FINALE TIME 8:25

FLOOR #1 6.0 #2 _____ #3 _____ FINALE TIME 8:22

LAND FARM 0.0 SAMPLE TIME 8:30

SPOIL PILE _____ SAMPLE TIME _____

REMARKS: _____

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "A" Well 6 DK
Work Order:	9804026	Client Sample ID:	JA6DK-100; Wall
Lab ID:	9804026-01A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well DK	Collection Date:	4/17/98 8:25:00 AM
		COC Record:	4337

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 4/24/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: HR 4/23/98
Surr: Trifluorotoluene	99.4	70-130		%REC	1	4/23/98

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

P.O. BOX 2606 • FARMINGTON, NM 87499

- Telephone: (505) 325-5667 Fax: (505) 325-1556

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache "A" Well 6 DK
Work Order:	9804026	Client Sample ID:	JA6DK-101; Floor
Lab ID:	9804026-02A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well DK	Collection Date:	4/17/98 8:22:00 AM
		COC Record:	4337

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	37	25		mg/Kg	1	4/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/23/98
Surr: Trifluorotoluene	95.6	70-130		%REC	1	4/23/98

Qualifiers:

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Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE FARMER'S NEEDS

1 of 1

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. LAPLATA STREET, FARMINGTON, NM 87401
Facility or Well Name: JICARILLA APACHE "A" WELL #6 DK LANDFARM
Location: Unit or Qtr/Qtr Sec E Sec 26 T 25N R 5W County RIO ARriba
Land Type: _____

Date Remediation Started: BRETT CUMMINS Date Completed: 4/17/98
Remediation Method: Landfirmed X Approx. cubic yards 20
Composted _____
Other _____

Depth To Groundwater: (pts.) 20
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.) 10

Final Closure Sampling:

Sampling Date: 4/17/98 Time: 8:30

Sample Results:

Field Headspace (ppm) 0.0 ppm

TPH (ppm) GAS- ND Method 8015M
DIE- 25

Other _____

RANKING SCORE (TOTAL POINTS): 50

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

DATE 12/22/98 PRINTED NAME SHAWN ADAMS
SIGNATURE Shawn Adams 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) May be used as backfill, if needed.

SIGNED: Karena L. Callado DATE: 22 DEC 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 "A" Well 6 DK
Work Order:	9804026	Client Sample ID:	JA6DK-102; Landfarm
Lab ID:	9804026-03A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well DK	Collection Date:	4/17/98 8:30:00 AM
		COC Record:	4337

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	25	25		mg/Kg	1	4/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/23/98
Surr: Trifluorotoluene	99.5	70-130		%REC	1	4/23/98

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

ON SITE

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

Date: 9/1/18

[illegible]

Unit (hour)

to stock ponds

to attend

mta

mta

ROAD

stock
pile

Self Excavation
Road

← Z

Other
excavation

to stock
pond