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

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SEARCHED
SERIALIZED
INDEXED
JUL 14 1999
NATURAL RESOURCES
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE 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 A #6 CH

Location: Unit or Qtr/Qtr Sec E Sec 26 T25N R5W County Rio ARIZONA

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: :

Pit Location: Pit dimensions: length 12, width 12, depth 6
(Attach diagram)

Reference: wellhead ☒, other ☐

Footage from reference: 198'

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

Depth To Groundwater:

(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

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

Distance to an Ephemeral Stream

(Downgradient dry wash greater than
ten feet in width)

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

Distance to Nearest Lake, Playa, or Watering Pond

(Downgradient lakes, playas and
livestock or wildlife watering ponds)

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

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or: less than
1000 feet from all other water sources)

Yes (20 points)
No (0 points) 20

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

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

RANKING SCORE (TOTAL POINTS): 50

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

Remediation Method: Excavation X

Approx. cubic yards 22 CY

(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 OR STOCKPILE

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom • CENTER 4 DANKS N, S, E, W

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 6-7'

GAS ND (PPB)

DIE ND (PPM)

Sample date 4/17/98

Sample time 8:35AM

METHOD BOISM

PID 0.0 (PPM)

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

5-6' DEEP

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 0.0

Ethylbenzene (ppb) N/A

TPH BOISM (ppm) GAS ND (PPB)

Total Xylenes (ppb) N/A

DIE ND (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 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: Larena L. Collado DATE: May 19, 1998

CONTRACT ENVIRONMENTAL

4/17/90

DATE 806

TIME STARTED 0806

TIME FINISHED 0845

SITE NAME Jicarilla Apache A well C H

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 8:32

FLOOR #1 0.0 #2 _____ #3 _____ FINALE TIME 8:35

LAND FARM 0.0 SAMPLE TIME 8:37

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 CH
Work Order:	9804025	Client Sample ID:	JA6CH-101; Floor
Lab ID:	9804025-02A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well 6 CH	Collection Date:	4/17/98 8:35:00 AM
		COC Record:	4328

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	1	Analyst: DC 4/23/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: DC 4/22/98
Surr: Trifluorotoluene	101.7	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

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1 of 1

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 CH
Work Order:	9804025	Client Sample ID:	JA6CH-100; Wall
Lab ID:	9804025-01A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well 6 CH	Collection Date:	4/17/98 8:32:00 AM
		COC Record:	4328

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	87.7	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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1 of 1

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. LAPLATA STREET, FARMINGTON, NM 87401

Facility or Well Name: JICARILLA APACHE "A" WELL 6 CH 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: Landfarmed X Approx. cubic yards 22

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

RANKING SCORE (TOTAL POINTS): 50

Final Closure Sampling:

Sampling Date: 4/17/98 Time: 8:37

Sample Results:

Field Headspace (ppm) 0.0

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

Other _____

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.
Work Order: 9804025
Lab ID: 9804025-03A **Matrix:** SOIL
Project: Jicarilla Apache "A" Well 6 CH

Client Sample Info: Jicarilla Apache "A" Well 6 CH
Client Sample ID: JA6CH-102; Landfarm
Collection Date: 4/17/98 8:37:00 AM
COC Record: 4328

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	50		mg/Kg	1	Analyst: DC 4/23/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: DC 4/22/98
Surr: Trifluorotoluene	92.5	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

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TECHNOLOGY BUILDERS, INC. 1000 N. 10TH ST. FARMINGTON, NM 87401

CHAIN OF CUSTODY RECORD

4328

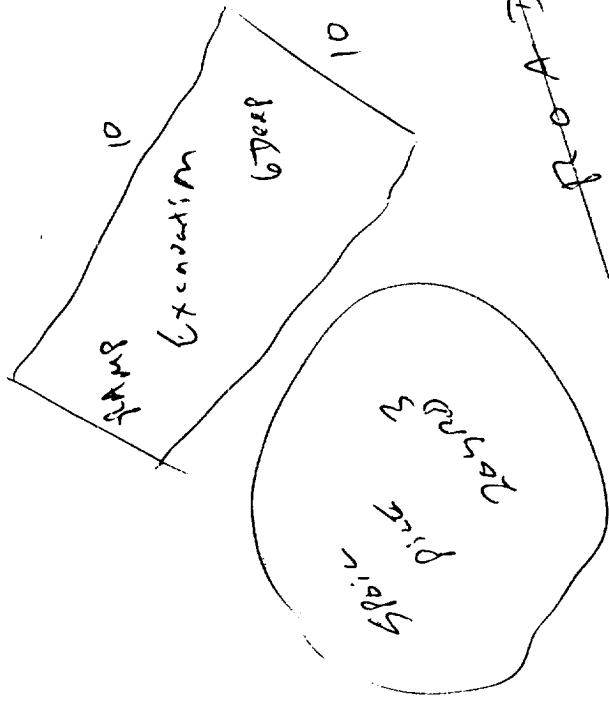
Page 1 of 1

Date: 4/17/78

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

[illegible]

↑
to pack
or
cereal



→
to litter

unit

unit

Q_{unit}
(tail)

↑
to pack
and
cereal
Excavation

2