

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

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SUBMIT COPY TO
NATURAL RESOURCE DEPT
OIL & GAS ADMINISTRATION

**OIL COMPANY
REPORT**

APPROVED

PIT REMEDIATION AND CLOSURE REPORT

Operator: ELM RIDGE RESOURCES Telephone: (505) 326-7099
Address: 312 W. LA PLATA STREET, FARMINGTON, NM 87401
Facility or Well Name: JICARILLA APACHE A #3
Location: Unit or Qtr/Qtr Sec N Sec 23 T25N R5W County Rio ARriba
Pit Type: Separator Dehydrator Other BLOW
Land Type:

Pit Location: Pit dimensions: length 15, width 15, depth 6
(Attach diagram)
Reference: wellhead X, other _____
Footage from reference: 299'
Direction from reference: SE Degrees X East North _____
_____ West South X

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	(20 points)	20
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	

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 Less than 100 feet (10 points)
(Downgradient lakes, playas and Greater than 100 feet (0 points) 10
livestock or wildlife watering ponds)

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 SurfaceWater:
(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)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 50

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

Remediation Method: Excavation X

Approx. cubic yards 50

(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: 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 7-8'

GAS ND (PPB)

DIE 37 (PPM)

8015M

Sample date 4/17/98

Sample time 9:20 AM

PID 0.0

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 14.2

Ethylbenzene (ppb) N/A

TPH (ppm) GAS ND (PPB)

Total Xylenes (ppb) N/A

DIE 32 (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 5/14/98 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: Karena S. Callado DATE: May 21, 1998

CONTRACT ENVIRONMENTAL

DATE 4/12/98 TIME STARTED 0900 TIME FINISHED 0940

SITE NAME Jicarilla Apache A well 3

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 09:15

FLOOR #1 14.2 #2 _____ #3 _____ FINALE TIME 09:20

LAND FARM 0.2 SAMPLE TIME 09:26

SPOIL PILE _____ SAMPLE TIME _____

REMARKS: _____

WTR

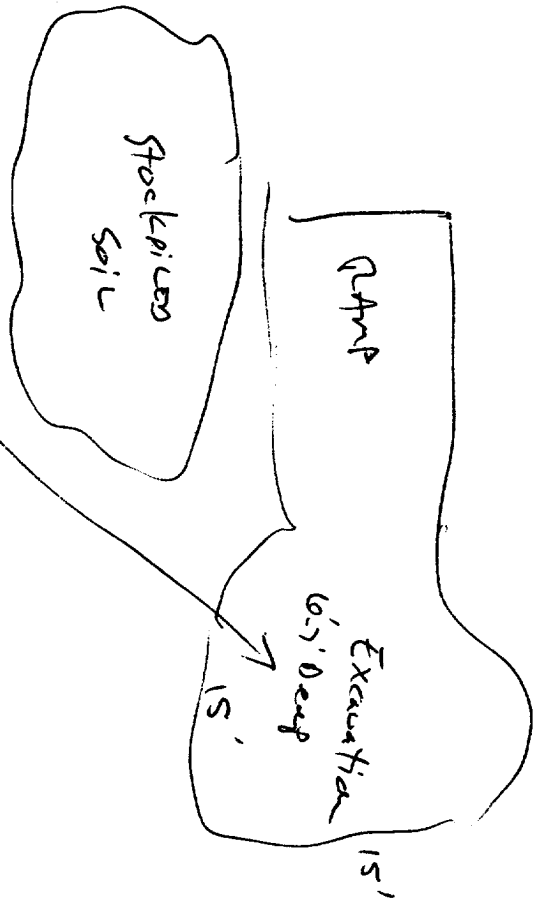
N

WTR
①

115p

all Port
Contam. Pond

Neut.
Unit



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 3
Work Order:	9804027	Client Sample ID:	JAA3-101; Floor
Lab ID:	9804027-02A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well 3	Collection Date:	4/17/98 9:20:00 AM
		COC Record:	4338

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	32	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	99.2	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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

Telephone: (505) 325-5667 • Fax: (505) 325-1556 • E-mail: info@onsite-tech.com

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 3
Work Order:	9804027	Client Sample ID:	JAA3-100; Wall
Lab ID:	9804027-01A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well 3	Collection Date:	4/17/98 9:15:00 AM
		COC Record:	4338

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	104.0	70-130		%REC	1	4/23/98

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AND OIL & GAS ADMINISTRATION

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OIL CON. DIV.
DIST. 3

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 "A" WELL #3 LANDFARM
Location: Unit or Qtr/Qtr Sec N Sec 23 T 25N R 5W County RIO ARriba
Land Type: _____

Date Remediation Started: BRETT CUMMINS Date Completed: 4/17/98
Remediation Method: Landfarmed ☒ Approx. cubic yards 50
Composted _____
Other _____

Depth To Groundwater: (pts.) 20
Distance to an Ephemeral Stream (pts.) 0
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 10
Wellhead Protection Area: (pts.) 20
Distance To Surface Water: (pts.) 0
RANKING SCORE (TOTAL POINTS): 50

Final Closure Sampling:
Sampling Date: 4/17/98 Time: 9:26
Sample Results:
Field Headspace (ppm) 0.2
TPH (ppm) Gas- ND Method 8015M
DIE- 40 ppm
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 ☒ 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 3
Work Order:	9804027	Client Sample ID:	JAA3-102; Landfarm
Lab ID:	9804027-03A	Matrix:	SOIL
Project:	Jicarilla Apache "A" Well 3	Collection Date:	4/17/98 9:26:00 AM
		COC Record:	4338

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	40	25		mg/Kg	1	4/24/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: HR
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Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE FARMING SECTOR -

[illegible]