

Date Remediation Started: BRETT Cummins Date Completed: 4/15/98
Remediation Method: Excavation X Approx. cubic yards 850 + RAMP
(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: EXCAVATED CONTAMINATED SOIL, SPREAD IN SOIL FARM AND STOCKPILES ON LOCATION

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location PIT BOTTOM CENTER
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 30'
Sample date 4/15/98 Sample time 10:05AM

Sample Results

Soil: Benzene (ppm)	<u>N/A</u>	Water: Benzene (ppb)	<u>N/A</u>
Total BTEX (ppm)	<u>N/A</u>	Toluene (ppb)	<u>N/A</u>
Field Headspace (ppm)	<u>44.2</u>	Ethylbenzene (ppb)	<u>N/A</u>
TPH (ppm)	<u>GAS ND (PPB)</u>	Total Xylenes (ppb)	<u>N/A</u>
	<u>DIE ND (PPM)</u>		

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 [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: [Signature] DATE: 5-7-98

CONTRACT ENVIRONMENTAL

DATE 4/15/78 TIME STARTED 09:30 TIME FINISHED 10:30

SITE NAME Jicarilla Apache "B" well 11

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 20.1 #2 _____ #3 _____ FINALE TIME 10:10

FLOOR #1 44.2 #2 _____ #3 _____ FINALE TIME 10:05

~~PANDEARM 123456789~~

SAMPLE TIME 09:30

SPOIL PILE 0.0

SAMPLE TIME 09:42

REMARKS:

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804016
Lab ID: 9804016-03A **Matrix:** SOIL
Project: Jicarilla Apache "B" Well 11

Client Sample Info: Jicarilla Apache "B" Well 11
Client Sample ID: JB11-102; Floor
Collection Date: 4/15/98 10:05:00 AM
COC Record: 4327

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 4/22/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: DC 4/21/98
Surr: Trifluorotoluene	102.3	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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1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804016
Lab ID: 9804016-04A **Matrix:** SOIL
Project: Jicarilla Apache "B" Well 11

Client Sample Info: Jicarilla Apache "B" Well 11
Client Sample ID: JB11-103; Wall
Collection Date: 4/15/98 10:10:00 AM
COC Record: 4327

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	100	25		mg/Kg	1	Analyst: HR 4/22/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: DC 4/22/98
Surr: Trifluorotoluene	99.4	70-130		%REC	1	4/22/98

Qualifiers:

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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 "B" Well 11
Work Order:	9804016	Client Sample ID:	JB11-101; Spoil Pile
Lab ID:	9804016-02A	Matrix:	SOIL
Project:	Jicarilla Apache "B" Well 11	Collection Date:	4/15/98 9:42:00 AM
		COC Record:	4327

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	94.4	70-130		%REC	1	4/21/98

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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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 WEST LAPLATA STREET, FARMINGTON, NM 87401
Facility or Well Name: JICARILLA APACHE "B" WELL #11
Location: Unit or Qtr/Qtr Sec A Sec 19 T 24N R 5W County RIO ARriba
Land Type: _____

Date Remediation Started: BRETT CUMMINS Date Completed: 4/15/98
Remediation Method: Landfarmed X Approx. cubic yards 850+RAMP
Composted _____
Other _____

Depth To Groundwater: (pts.) 10
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.) 0
RANKING SCORE (TOTAL POINTS): 30

Final Closure Sampling:
Sampling Date: 4/15/98 Time: 9:30
Sample Results:
Field Headspace (ppm) 1.0
TPH (ppm) GAS- ND Method 80/15 M.
DISS- 33 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 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: 24-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804016
Lab ID: 9804016-01A **Matrix:** SOIL
Project: Jicarilla Apache "B" Well 11

Client Sample Info: Jicarilla Apache "B" Well 11
Client Sample ID: JB11-100; Landfarm
Collection Date: 4/15/98 9:30:00 AM
COC Record: 4327

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	33	25		mg/Kg	1	Analyst: HR 4/22/98
GASOLINE RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	Analyst: DC 4/21/98
Surr: Trifluorotoluene	99.2	70-130		%REC	1	4/21/98

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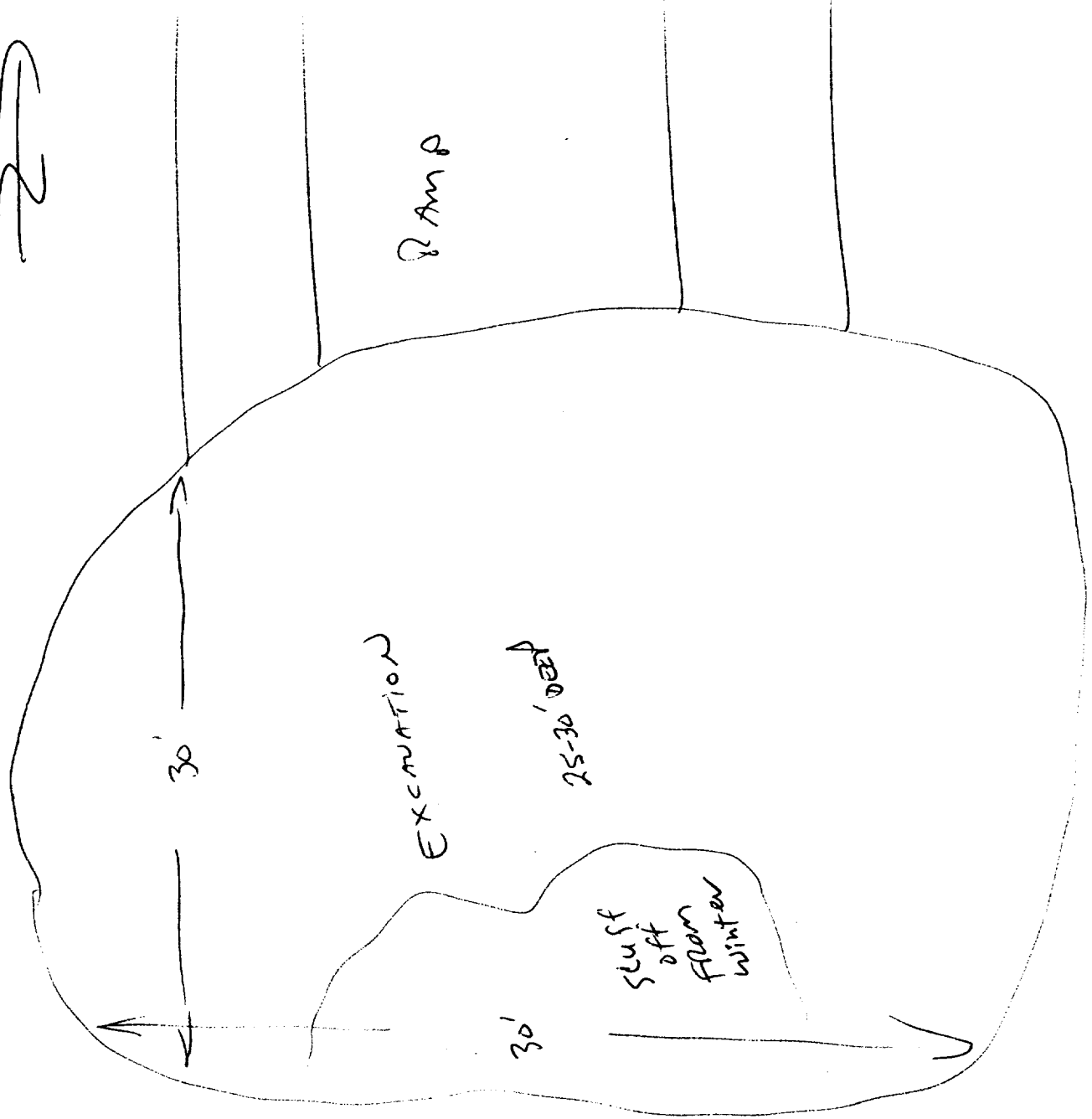
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SEP

