

SUBMIT COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

APPROVED

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: BRET CUMMINS Date Completed: 4/14/98

Remediation Method: Excavation X

Approx. cubic yards 700 + RAMP

(Check all appropriate sections)

Landfirmed X

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____

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

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

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Pit Bottom - CENTER

4 BANS N, S, E, W

Closure Sampling:

(if multiple samples, attach sample results

GAS ND (PPB)

and diagram of sample locations and depths)

Sample depth 25'

DIE 37 (PPM)

Sample date 4/14/98

Sample time 3:04 PM

By EPA 8015 M

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) N/A

Total BTEX (ppm) N/A

Toluene (ppb) N/A

Field Headspace (ppm) 15.0

Ethylbenzene (ppb) N/A

TPH (ppm) GAS ND (PPB) Total Xylenes (ppb) N/A

DIE 36 (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

4/21/98

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 4/14/98 TIME STARTED 13:30 TIME FINISHED 16:00

SITE NAME Jicarilla Apache 'B' well 14

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

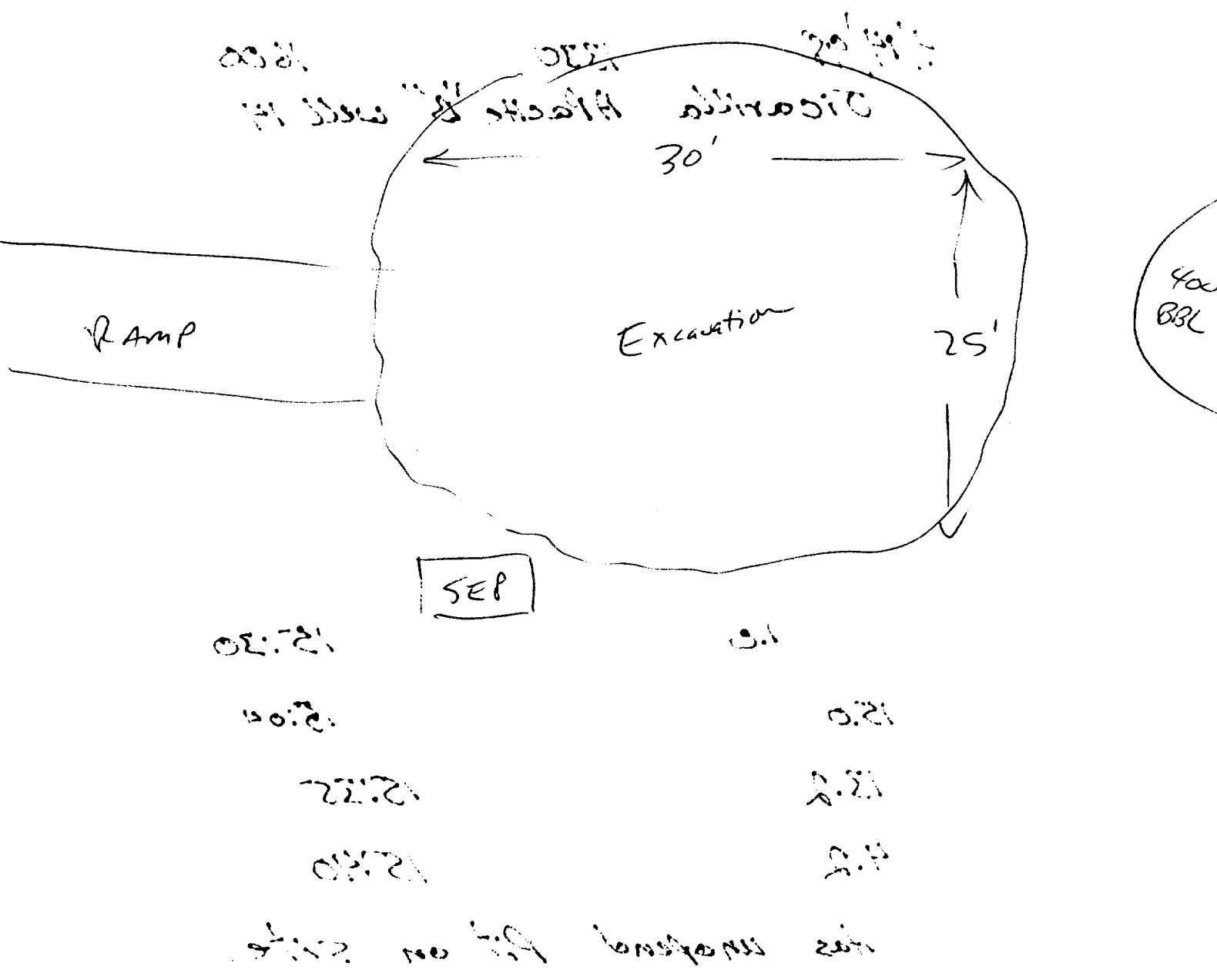
WALL COMPOSITE #1 1.0 #2 #3 FINALE TIME 15:30

FLOOR #1 15.0 #2 #3 FINALE TIME 15:04

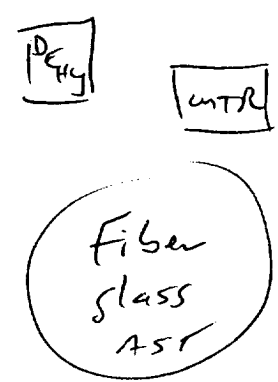
LAND FARM 13.2 SAMPLE TIME 15:35

SPOIL PILE 4.2 SAMPLE TIME 15:40

REMARKS: Has unopened Pit on site.



DWHEAD



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804012
Lab ID: 9804012-01A **Matrix:** SOIL
Project: Jic Apache B Well #14

Client Sample Info: Jicarilla Apache B Well #14
Client Sample ID: JB14-100; Floor
Collection Date: 4/14/98 3:04:00 PM
COC Record: 4324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	36	25		mg/Kg	1	4/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/15/98
Surr: Trifluorotoluene	85.0	70-130		%REC	1	4/15/98

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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- TECHNOLOGY BUILDING INDUSTRY AND COMMUNITY SERVICES

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Apr-98

Client: Contract Environmental Services, Inc.
Work Order: 9804012
Lab ID: 9804012-02A **Matrix:** SOIL
Project: Jic Apache B Well #14

Client Sample Info: Jicarilla Apache B Well #14
Client Sample ID: JB14-101; Wall
Collection Date: 4/14/98 3:15:00 PM
COC Record: 4324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	37	25		mg/Kg	1	4/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/15/98
Surr: Trifluorotoluene	106.1	70-130		%REC	1	4/15/98

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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- TECHNOLOGY BLENDING INDUSTRY WITH THE FARMINGTON AREA

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Apr-98

Client: Contract Environmental Services, Inc.

Client Sample Info: Jicarilla Apache B Well #14

Work Order: 9804012

Client Sample ID: JB14-102; Spoil Piles

Lab ID: 9804012-03A **Matrix:** SOIL

Collection Date: 4/14/98 3:40:00 PM

Project: Jic Apache B Well #14

COC Record: 4324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/15/98
Surr: Trifluorotoluene	100.3	70-130		%REC	1	4/15/98

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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. LA PLATA STREET, FARMINGTON, NM 87401

Facility or Well Name: JICARILLA APACHE B #14

Location: Unit or Qtr/Qtr Sec L Sec 19 T 24N R 5W County Rio ARriba

Land Type: _____

Date Remediation Started: BRET Cummins

Date Completed: 4/14/98

Remediation Method: Landfarmed X

Approx. cubic yards 700

Composted _____

Other _____

Depth To Groundwater: (pts.) 20

Distance to an Ephemeral Stream (pts.) 10

Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0

Wellhead Protection Area: (pts.) 0

Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 30

Final Closure Sampling:

Sampling Date: 4/14/98 Time: 3:50 PM

Sample Results:

Field Headspace (ppm) 13.2

TPH (ppm) GAS NO Method 8015M

Other DIE 30 (PPM)

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

DATE 4/29/98 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) use as Backfill

SIGNED: Ken C. Mammill DATE: 5-7-98

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Apr-98

Client:	Contract Environmental Services, Inc.	Client Sample Info:	Jicarilla Apache B Well #14
Work Order:	9804012	Client Sample ID:	JB14-103; Landfarm
Lab ID:	9804012-04A	Matrix:	SOIL
Project:	Jic Apache B Well #14	Collection Date:	4/14/98 3:50:00 PM
		COC Record:	4324

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	30	25		mg/Kg	1	4/21/98
GASOLINE RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	180		µg/Kg	1	4/15/98
Surr: Trifluorotoluene	101.5	70-130		%REC	1	4/15/98

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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



CHAIN OF CUSTODY RECORD

4324

Date: 4/14/98

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

Purchase Order No.:		Job No.	
Name		Title	
Company		Company	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
Telephone No.		Telefax No.	
Name: <u>Steven Adams</u>		Title: <u>Contract Environmental</u>	
Company: <u>Contract Environmental</u>		Mailing Address: <u>PO Box 3776</u>	
Address: <u>PO Box 3776</u>		City, State, Zip: <u>Farmington NM 87499</u>	
City, State, Zip: <u>Farmington NM 87499</u>		Telephone No.: <u>325-1198</u>	
Telefax No.: <u>325-1198</u>		ANALYSIS REQUESTED	
Sampling Location: <u>Jicarilla Apache B well #14</u>			
Sampler: <u>TB Energy</u>			
SAMPLE IDENTIFICATION		LAB ID	
DATE	TIME	MATRIX	PRES.
4-14	1504	Soil	NA
4-14	1525	Soil	NA
4-14	1540	Soil	NA
4-14	1550	Soil	NA
JB 14 100 Floor		9804012-01A	
JB 14 101 Wall		-02A	
JB 14 102 Spoil Piles		-03A	
JB 14 103 Land Farm		-04A	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Relinquished by:		Date/Time	
Method of Shipment:		Special Instructions:	
Authorized by:		Date	
(Client Signature Must Be Accompanied by Request)		Date	
Received by: <u>[Signature]</u>		Date/Time <u>4-14-98 12:50 PM</u>	
Received by:		Date/Time	
Received by:		Date/Time	
Rush		10 Working Days	
24-48 Hours		Special Instructions:	
Pink - Sampler		Goldenrod - Client	
White - Company		Yellow - LAB	