

DK

Key...
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

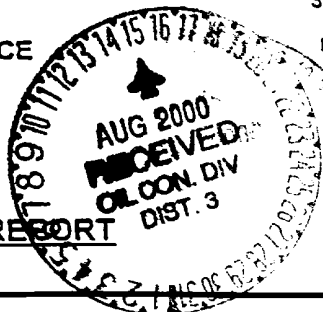
ENVIRONMENTAL PROTECTION OFFICE

SEP 13 2000

P.O. BOX 507
DULCE, NEW MEXICO 87528

Incomplete

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL & GAS
ADMINISTRATION



PIT REMEDIATION AND CLOSURE REPORT

Operator: Robert L Bayless Telephone: 326-2659

Address: 368 170 Farmington NM 87401

Facility or Well Name: # 1 Jicarilla 497

Location: Unit: P Sec. 28 T. 28 N R. 2 W County Rio Arriba

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20 width 15 depth 12

(Attach diagram) Reference: wellhead X other

Footage from reference:

Direction from reference: 285° Degrees East North

X West of South

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation or ground water)	Less than 50 feet (20 points)	<u>0</u>
	50 feet to 99 feet (10 points)	
	Greater than 100 feet (0 points)	
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or less than 1,000 feet from all other water sources)	Yes (20 points)	<u>0</u>
	No (0 points)	
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points)	<u>0</u>
	200 feet to 1,000 feet (10 points)	
	Greater than 1,000 feet (0 points)	
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet (10 points)	<u>0</u>
	Greater than 100 feet (0 points)	
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points)	<u>0</u>
	Greater than 100 feet (0 points)	
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started:

11-6-97

Date Completed:

11-7-97

Remediation Method:

Excavation

Approx. Cubic Yards

40

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds):

40

Other

Remediation Location:

Onsite

☒

Offsite

(i.e., landfarmed on-site, name and location of offsite facility)

General Description of Remedial Action:

Excavated pit to a depth of about 12'
for 1 sample

Ground Water Encountered:

No

☒

Yes

Depth

Final Pit Closure
Sampling:

Sample Location

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth

12'

Sample date

11-7-97

Sample time

1:00

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb)

Total BTEX (ppm)

2

Toluene (ppb)

Field headspace (ppm)

5

Ethylbenzene (ppb)

TPH

179

com

Method

4101

Total Xylenes (ppb)

Ground Water Sample:

Yes

☐

No

☒

(If yes, attach sample results)

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

DATE

11-7-97

PRINTED NAME

Dave Sims

SIGNATURE

Dave Sims

AND TITLE

Project Manager

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES

☒

NO

☐

(REASON):

SIGNED:

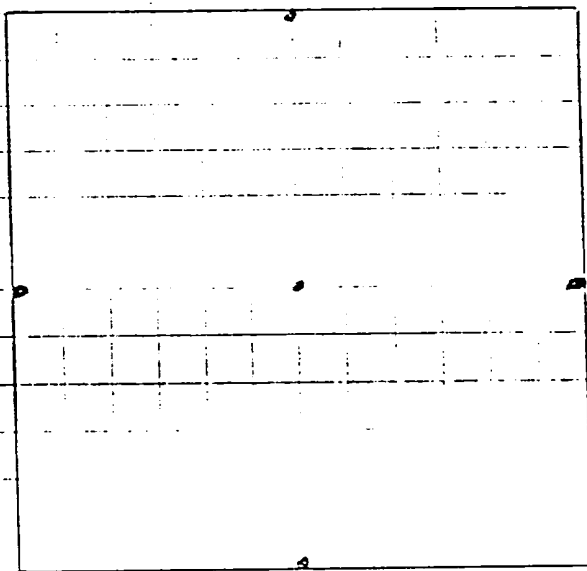
Ken C. Marshall

DATE:

2-6-98

Location: #1 Jicarilla 492

Depth: 12'



• Denotes Sample Location

Samples:

North : 1

South : 0

East : 2

West : 6

Bottom : 52

#1 J.C. 492

N

land farm

p.t

tank

well head
O

#1 Jicarilla

11-7-97

Arrived on location
Took down fence

Excavated pit to approx. 12' (6' Below existing bottom) took readings. pit was clean

Bottled samples
Put up fence

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **David Sims**
 Company: **Arrowhead**
 Address: **P.O. Box 2522**
 City, State: **Farmington, NM 87499-2522**

Date: **17-Nov-97**
 COC No.: **6574**
 Sample No.: **16834**
 Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
 Project Location: **#1 Jicarilla 492 Composite**
 Sampled by: **WM** Date: **7-Nov-97** Time: **10:30**
 Analyzed by: **DC** Date: **14-Nov-97**
 Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	ND	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	ND	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
TOTAL	ND	ug/kg		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 820A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
 Date: *11/17/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **David Sims**
Company: **Arrowhead**
Address: **P.O. Box 2522**
City, State: **Farmington, NM 87401-2522**

Date: **14-Nov-97**
COC No.: **6574**
Sample No.: **15834**
Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
Project Location: **#1 Jicarilla 492 Composite**
Sampled by: **WM** Date: **8-Nov-97** Time: **10:30**
Analyzed by: **HR** Date: **12-Nov-97**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	ND	25	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

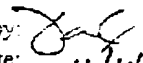
Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	ND	ND	mg/kg
Laboratory Fortified Spike Soil - QCSS1	848	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
16841-6574	10.8	15.0

Approved by: 
Date: **11/14/97**

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **David Sims**
 Company: **Arrowhead**
 Address: **P.O. Box 2522**
 City, State: **Farmington, NM 87499-2522**

Date: **17-Nov-97**
 COC No.: **6574**
 Sample No.: **16823**
 Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
 Project Location: **#1 Jicarilla 492 @ 12'**
 Sampled by: **WM** Date: **7-Nov-97** Time: **13:30**
 Analyzed by: **DC** Date: **14-Nov-97**
 Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	ND	ug/kg	1	ug/kg
Toluene	1	ug/kg	1	ug/kg
Ethylbenzene	ND	ug/kg	1	ug/kg
m,p-Xylene	1	ug/kg	1	ug/kg
o-Xylene	ND	ug/kg	1	ug/kg
TOTAL	2	ug/kg		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
 Date: *11/17/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: **David Sims**
 Company: **Arrowhead**
 Address: **P.O. Box 2522**
 City, State: **Farmington, NM 87499-2522**

Date: **14-Nov-97**
 COC No.: **6574**
 Sample No.: **16833**
 Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
 Project Location: **#1 Jicarilla 492 @ 12'**
 Sampled by: **WM** Date: **7-Nov-97** Time: **13:30**
 Analyzed by: **HR** Date: **12-Nov-97**
 Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	179	25	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

Quality Assurance Report**Laboratory Fortified Blank/Spike Soil**

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	ND	ND	mg/kg
Laboratory Fortified Spike Soil - QCSS1	848	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
16841-6574	10.9	15.0

Approved by: 
 Date: **11/14/97**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

Operator: Robert L Bayless Telephone: 325-2659
Address: 318 US Hwy 170 Farmington NM 87401
Facility or Well Name: #1 Jicarilla 492
Location: Unit: P Sec. 28 T. 28N R. 2 W County Rio Arriba
Land Type: Jicarilla Apache
Date Remediation Started: 11-6-97 Date Completed: 11-30-98
Remediation Method: Landfarmed X Approx. cubic yards _____
Composted _____
Other _____

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 0
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): 0

Final Closure Sampling:
Sampling Date: 11/17/98 Time 4:42pm
Sampling Results:
Field Headspace (ppm) AD 5
TPH (ppm) 180 Method ELAB
Other 179

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

DATE 12-9-98 PRINTED NAME Donovan Allred
SIGNATURE Donovan Allred AND TITLE Project manager

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES X NO _____ (REASON) _____
SIGNED: Ken C. M... DATE: 12-16-98