

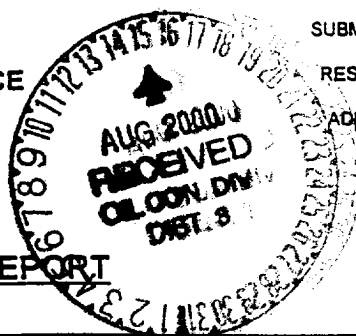
NO LF
Data

Winnipeg Trust
DEPUTY OIL & GAS INSPECTOR

SEP 15 2000

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

Denied

PIT REMEDIATION AND CLOSURE REPORT

Operator: Robert L. Bayless Telephone: 326-7659
Address: 368 NM 170 Farmington NM 87401
Facility or Well Name: Jicarilla 362 6D # 3
Location: Unit: A Sec. 8 T. 23 N R. 4 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 30 width 40 depth 22
(Attach diagram) Reference: wellhead X other _____
Footage from reference: 80'
Direction from reference: _____ Degrees X East of North _____
West of South _____

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of 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): 0

Date Remediation Started: 11-7-97 Date Completed: 11-11-97

Remediation Method: Excavation _____ Approx. Cubic Yards _____

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 40

Other hauled approx. 20 trucks to Jic land farm

Remediation Location: Onsite X 40 yds Offsite _____

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

General Description of Remedial Action:

Arrived on location took down fence. Excavated with track-hoe and hauled approx. 20 trucks to Jic land farm excavated more + land farmed on location approx 40 yds.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom + Composite

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

Sample depth 22'

Sample date 11-11-97 Sample time 2:30

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) 1235 Toluene (ppb) _____

Field headspace (ppm) 270 Ethylbenzene (ppb) _____

TPH 4470 ppm Method 418.1 Total Xylenes (ppb) _____

Ground Water 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 MY BELIEF

DATE 11-11-97 PRINTED NAME Dave Sims

SIGNATURE Dave Sims AND TITLE Project Manager

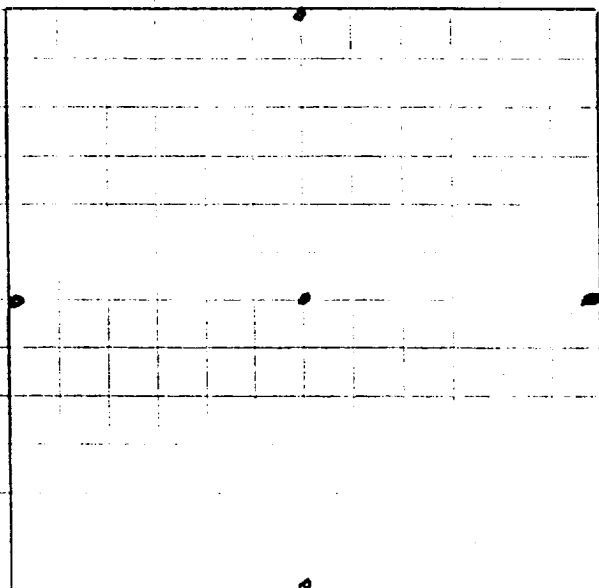
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kenn C. Mann DATE: 2-6-98

Location: Tiana 362 GD #3

Depth: 22'



• Denotes sample location

Samples:

North : 0

South : 0

East : 0

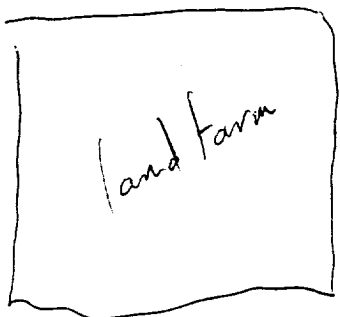
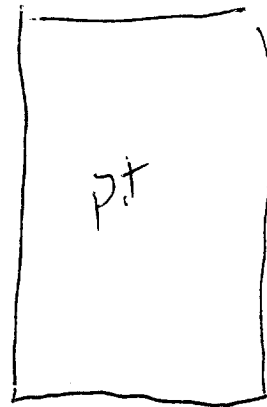
West : 0

Bottom : 270

Jicarilla 32 60 #3

N

wellhead
○



Jicarilla 362 6D # 3

11-11-97

Moved to Loc.
took down fence

Excavated pit with track-hoe and hauled
approx 20 trucks to JK. landform. Still
registers hot. More excavation was done
and landformed on location approx. 4yds.

Bottled Samples

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.: *16841*
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #3 Composite*
Sampled by: *WM* Date: *11-Nov-97* Time: *14:30*
Analyzed by: *HR* Date: *12-Nov-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>28</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

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

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

Duplication

Laboratory Identification	RPD	Limit RPD
<i>16841-6574</i>	<i>10.8</i>	<i>15.0</i>

Approved by: *[Signature]*
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.: 16841
Job No.: 2-1000

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #3 Composite*
Sampled by: WM Date: 11-Nov-97 Time: 14:30
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
	<i>TOTAL</i>	ND		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

P.O. BOX 2606 • FARMINGTON, NM 87499**- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -**

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.: 16842
Job No.: 2-1000

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #3 Bottom*
Sampled by: WM Date: 11-Nov-97 Time: 14:30
Analyzed by: HR Date: 12-Nov-97
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	4470	250	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
<i>Laboratory Fortified Blank Soil - QCBS2</i>	ND	ND	mg/kg
<i>Laboratory Fortified Spike Soil - QCSS1</i>	848	800-1200	mg/kg

Duplication

Laboratory Identification	RPD	Limit RPD
<i>16841-6574</i>	10.9	15.0

Approved by:

Date: *11/14/97*

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Date: 17-Nov-97
COC No.: 6574
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Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #3 Bottom*
Sampled by: WM Date: 11-Nov-97 Time: 14:30
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	5	ug/kg
<i>Toluene</i>	27	ug/kg	5	ug/kg
<i>Ethylbenzene</i>	169	ug/kg	5	ug/kg
<i>m,p-Xylene</i>	540	ug/kg	5	ug/kg
<i>o-Xylene</i>	500	ug/kg	5	ug/kg
	TOTAL	1235		ug/kg

1.2

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas ChromatographyApproved by: *[Signature]*

Date: 11/17/97

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -