

APR 2 5 1997

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

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

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: BURLINGTON RESOURCES Telephone: (505) 326-9700
Address: P.O. BOX 4289, FARMINGTON, NM 87499-4289
Facility or Well Name: Jicarilla 120C #13 DP #52031A
Location: Unit or Qtr/Qtr Sec I Sec 32 T 26 R 04 County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 19', width 16', depth 2'
(Attach diagram)
Reference: wellhead ☒ other ☐
Footage from reference: 60'
Direction from reference: 305° Degrees ☐ East North ☒
of ☐ West South ☐

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points) <u>20</u>
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) <u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points) <u>0</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 100 feet from all other water sources)	Yes (20 points) No (0 points) <u>0</u>
Distance To Surface Water: (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>20</u>

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OIL CON. DIV.
DIST. 3

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 8-23-96 Date Completed: _____

Remediation Method: Excavation ☒ Approx. cubic yards 342

(Check all appropriate sections)

Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____

(i.e. landfarmed onsite,

name and location of
offsite facility)

General Description of Remedial Action: Excavated contaminated
material

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location See pit closure verification

Closure Sampling:

(if multiple samples,

attach sample results

and diagram of sample

locations and depths)

Sample depth 20 Ft West side 9 Ft East side

Sample date 8-23-96 Sample time 0915

Sample Results

Soil: Benzene (ppm) 1.7 ^{c. back} ND Water: Benzene (ppb) _____

Total BTEX (ppm) 114.7 ND Toluene (ppb) _____

Field Headspace (ppm) 01 Ethylbenzene (ppb) _____

TPH (ppm) 8000 ND Total Xylenes (ppb) _____

Groundwater 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 BELIEF

DATE 8/23/96 PRINTED NAME Guy L. Garretson

SIGNATURE Guy L. Garretson AND TITLE Lease operator

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

APPROVED: YES ☒ NO _____ (REASON) _____

SIGNED: Daniel J. [Signature] DATE: 10/17/96

BURLINGTON RESOURCES

PIT CLOSURE VERIFICATION SHEET

Location: Acarilla 120C #13 DP# 52031A Lease No. Acarilla cont. #120
 Contractor: Philips Env Consultant Initials: HP
 Date Started: 8-23-96 Date Finished:

Excavation & Soil Information

Dimensions (approx.): 22' FT. x 21' FT. x 20' FT. Deep Cubic Yards: (bcy) 342
 Soil Remediated ☒ On Site ☐ Off Site If off site name location (s)

PIT PERIMETER	PIT PROFILE																																				
N ↑																																					
OVM Results: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> </tr> </thead> <tbody> <tr> <td>Headspace PID (ppm)</td> <td>01</td> <td>01</td> <td>03</td> <td>02</td> <td>03</td> <td></td> <td></td> <td></td> </tr> <tr> <th>Sample ID</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>Comp 1</th> <th>Comp 2</th> <th>Comp 3</th> </tr> <tr> <td>Headspace PID (ppm)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>01</td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	1	2	3	4	5	6	7	8	Headspace PID (ppm)	01	01	03	02	03				Sample ID	9	10	11	12	13	Comp 1	Comp 2	Comp 3	Headspace PID (ppm)						01		
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Laboratory Results:		LAB	
Sample ID	m6-52031A-2-V		
BTEX RM8020 (ppm)	114.7	ND	
TPH RM8015 (ppm)	2000.0	ND	

8/29/96

Zenon Environmental Laboratories - Certificate of Analysis

Page 2 of 3



Component	Client ID:		Method	M6	M6
	Zenon ID:		Blank	52031A-2-V	52032A-3-V
	Date Sampled:		033503 96	033504 96	033505 96
	MDL	Units	96/08/23	96/08/23	96/08/23
BTEX via SW846 Method 8260					
Benzene	0.005	mg/kg	<	<	<
Toluene	0.005	"	<	<	0.023
Ethylbenzene	0.005	"	<	<	0.028
m&p-Xylene	0.005	"	<	<	0.27
o-Xylene	0.005	"	<	<	0.090
Surrogate Recoveries		%			
d4-1,2-Dichloroethane			88	88	86
d8-Toluene			92	92	93
Bromofluorobenzene			102	100	120
TPH via SW846 Method 8015					
Surrogate Recoveries	19	mg/kg	<	<	<
5-a-Androstane		%			
			123	81	76

Post-It® Fax Note	7671	Date	8/30/96	* of pages	21
To	Craig Bock	From	Don Fernand		
Co./Dept.		Co.			
Phone #		Phone #	326-2262		
Fax #	Spec 16	Fax #			

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

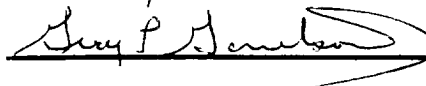
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>BURLINGTON RESOURCES</u>		Telephone: <u>(505) 326-9700</u>	
Address: <u>P.O. BOX 4289, Farmington, NM 87499-4289</u>			
Facility or Well Name: <u>Jicarilla 120 C# 13</u>			
Location: Unit: <u>I</u> Sec. <u>32</u> T. <u>26</u> N R. <u>04</u> W County <u>Rio Arriba</u>			
Land Type: <u>Jicarilla Apache</u>			
Date Remediation Started: <u>8-23-96</u>		Date Completed: _____	
Remediation Method: Landfarmed ☒		Approx. cubic yards <u>342</u>	
Composted ☐			
Other ☐			

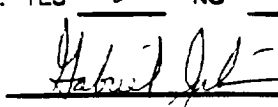
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I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE <u>10/16/96</u>	PRINTED NAME <u>Guy L. Garretson</u>
SIGNATURE <u></u>	AND TITLE <u>Lease Operator</u>

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

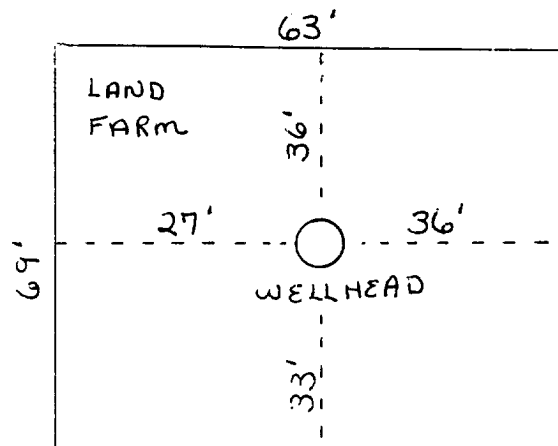
APPROVED: YES ☒ NO ☐ (REASON) _____

SIGNED:  **DATE:** 10/17/96

ON-SITE SOIL REMEDIATION DIAGRAM



Location Name: Jicarilla 120 C #13



OFF: (505) 325-5667



LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn: **Craig A. Bock**
Company: **Meridian Oil, Inc.**
Address: **3535 E. 30th Street**
City, State: **Farmington, NM 87401**

Date: **7-Sep-96**
COC No.: **C1986**
Sample No. **12003**
Job No. **2-1000**

Project Name: **Burlington Resources**
Project Location: **M6-52031A-1-LF**
Sampled by: **CAB/GG**
Analyzed by: **DC**
Sample Matrix: **Soil**

Date: **4-Sep-96** Time: **14:25**
Date: **6-Sep-96**

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
	TOTAL	<5.0		mg/kg

Quality Assurance Report

GRO QC No.: **0493-STD**

DRO QC No.: **0489-STD**

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,254	7.1	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	110	9.9	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	98	85	(70-130)	10	20%
Diesel Range (C10-C28)	98	114	(70-130)	11	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: 
Date: **9/7/96**