

*Denny E. Trust*  
DEPUTY OIL & GAS INSPECTOR

MAR 28 1997

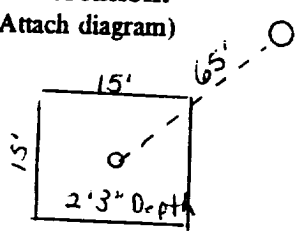
JICARILLA APACHE TRIBE  
ENVIRONMENTAL PROTECTION OFFICE  
P.O. BOX 507  
DULCE, NEW MEXICO 87528

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

*Approved*  
**PIT REMEDIATION AND CLOSURE REPORT**

Operator: Burlington Resources Telephone: (505) 326-9700  
Address: P.O. Box 4289, Farmington, NM 87499-4289 DP# 324058  
Facility or Well Name: Jicarilla L\*1  
Location: Unit or Qtr/Qtr Sec J Sec 33 T 25N R 5W County Rio Arriba  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: Jicarilla Apache

Pit Location: (Attach diagram) Pit dimensions: length 15', width 15', depth 2'3"  
Reference: wellhead ☒ other ☐  
Footage from reference: \_\_\_\_\_  
Direction from reference: 165 Degrees ☒ East of North ☒  
West South ☐



<b>Depth To Groundwater:</b> (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>10</u>
<b>Distance to an Ephemeral Stream</b> (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
<b>Distance to Nearest Lake, Playa, or Watering Pond</b> (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
<b>Wellhead Protection Area:</b> (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	Yes (20 points) No (0 points)	<u>0</u>
<b>Distance To Surface Water:</b> (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>0</u>

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MAR 25 1997  
OIL CON. DIV.  
DIST. 3

**RANKING SCORE (TOTAL POINTS):** 10

Remediation Started: N/A

Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_

Approx. cubic yards \_\_\_\_\_

In situ Bioremediation \_\_\_\_\_

Other None required as per assessment results

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: A sample was taken at 4' below the bottom surface of the earthen pit. Samples were taken using a hand auger.

Groundwater Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:  
Closure Sampling:  
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Center of pit, 4' below the bottom surface of the pit.

Sample depth 4 feet below the bottom surface of the pit.

Sample date 10/19/96

Sample time 11:46

Sample Results

Soil: Benzene (ppm) N/A

Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) N/A

Toluene (ppb) \_\_\_\_\_

Field Headspace (ppm) 0.6

Ethylbenzene (ppb) \_\_\_\_\_

TPH (ppm) <5.0

Total Xylenes (ppb) \_\_\_\_\_

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 10/16/96 PRINTED NAME Craig A. Bock

SIGNATURE Craig A. Bock AND TITLE Environmental Representative

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: Robert J. [Signature] DATE: 10/17/96

OFF: (505) 325-5667



LAB. (505) 325-1556

**TPH - Gasoline / Diesel Range Organics**

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

Date: **14-Oct-96**  
 COC No.: **C1991**  
 Sample No.: **12517**  
 Job No.: **2-1000**

Project Name: **Burlington Resources - Jicarilla Pit Closures**  
 Project Location: **M6-32405B-2-A Jicarilla L #1**  
 Sampled by: **GG** Date: **9-Oct-96** Time: **11:46**  
 Analyzed by: **DC/HR** Date: **14-Oct-96**  
 Sample Matrix: **Soil**

**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
<b>TOTAL</b>	<b>&lt;5.0</b>	<b>mg/kg</b>		

**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	1,358	0.6	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	95	4.6	15%

**Matrix Spike**

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5 - C9)	113	111	(70-130)	1	20%
Diesel Range (C10 - C28)	100	115	(70-130)	6	20%

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

Approved by:   
 Date: **10/14/96**

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT