

Denny E. Faust  
DEPUTY OIL & GAS INSPECTOR

MAY 04 1998

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Burlington Resources Telephone: (505) 326-9700  
Address: 3535 E. 30th, Farmington, NM 87401  
Facility or Well Name: Jicarilla 150 #8E DP# 36056  
Location: Unit or Qtr/Qtr Sec I Sec 02 T 26N R 5W County Rio Arriba  
Pit Type: Separator      Dehydrator      Other Storage tank  
Land Type: Jicarilla Reservation

Pit Location: Pit dimensions: length 37', width 29', depth 3'  
(Attach diagram) Reference: wellhead X, other       
Footage from reference: 45'  
Direction from reference: 250 Degrees X East of North X  
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>10</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>

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 8/27/97 N/A Date Completed: 11/20/97

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(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: \_\_\_\_\_

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

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

Sample location Center of Earthen Pit

Sample depth 4 ft below the bottom surface of the pit

Sample date 8-27-97 Sample time 9:00

Sample Results

Soil: Benzene	(ppm)	<u>N/A</u>	Water: Benzene	(ppb)	_____
Total BTEX	(ppm)	<u>N/A</u>	Toluene	(ppb)	_____
Field Headspace	(ppm)	<u>59</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>4.1</u>	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 11-20-97 PRINTED NAME Craig A. Bock  
SIGNATURE Craig A. Bock AND TITLE Environmental Rep.

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: Kearl M. M... DATE: 12-23-97

OFF: (505) 325-5667



LAB: (505) 325-1556

**ANALYTICAL REPORT**

Attn: *Craig A. Bock*  
 Company: *Burlington Resources*  
 Address: *P.O. Box 4289*  
 City, State: *Farmington, NM 87499*

Date: *4-Sep-97*  
 COC No.: *C2108*  
 Sample No.: *15951*  
 Job No.: *2-1000*

Project Name: *Burlington Resources Pit Assessment - Jicarilla 150 #8E S/T Pit*  
 Project Location: *B7-36056-1-A*  
 Sampled by: *JP* Date: *27-Aug-97* Time: *9:00*  
 Analyzed by: *DC/HR* GRO Date: *3-Sep-97*  
 Sample Matrix: *Soil* DRO Date: *4-Sep-97*

**Laboratory Analysis**

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>4.1</i>	<i>mg/kg</i>	<i>1.0</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>ND</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

**Quality Assurance Report**

GRO QC No.: *0537-STD*  
 DRO QC No.: *0548-STD*

**Continuing Calibration Verification**

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i>ND</i>	<i>ppb</i>	<i>1,801</i>	<i>1,890</i>	<i>4.8</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>188</i>	<i>6.4</i>	<i>15%</i>

**Matrix Spike**

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>103</i>	<i>102</i>	<i>(80-120)</i>	<i>0</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>84</i>	<i>88</i>	<i>(75-125)</i>	<i>3</i>	<i>20%</i>

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

Approved by: *[Signature]*  
 Date: *9/4/97*

P.O. BOX 2606 • FARMINGTON, NM 87499