

*Denny E. Faust*

DEPUTY OIL & GAS INSPECTOR

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

MAR 28 1997

PIT REMEDIATION AND CLOSURE REPORT

*Approved*

Operator: Burlington Resources Telephone: (505) 326-9700

Address: P.O. Box 4289, Farmington, NM 87499-4289

Facility or Well Name: Jicarilla 101 \* 2 DP # 36002

Location: Unit or Qtr/Qtr Sec m Sec 12 T26N R4W County Rio Arriba

Pit Type: Separator  Dehydrator  Other Products Tanks

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 14, width 14, depth 3  
(Attach diagram)

Reference: wellhead , other

Footage from reference: 129'

Direction from reference: 293 Degrees  East  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 la. 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>10</u>
<b>RANKING SCORE (TOTAL POINTS):</b>		<u>20</u>

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OIL CON. DIV.  
DIST. 3

D. Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu 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  Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location Center of pit, 4' below the bottom surface of the pit.  
Closure Sampling: \_\_\_\_\_  
(if multiple samples, attach sample results and diagram of sample locations and depths)  
Sample depth 4 feet below the bottom surface of the pit.  
Sample date 10/9/96 Sample time 14:30

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>0.6</u>	Ethylbenzene	(ppb)	_____
TPH	(ppm)	<u>6.0</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 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: Gabriel [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. *12516*  
 Job No. *2-1000*

Project Name: *Burlington Resources - Jicarilla Pit Closures*  
 Project Location: *M6-36002-3-A Jicarilla 101 #2*  
 Sampled by: *GG* Date: *9-Oct-96* Time: *14:30*  
 Analyzed by: *DC/HR* Date: *14-Oct-96*  
 Sample Matrix: *Soil*

**Laboratory Analysis**

Parameter	Result	Unit of Measure	Detection Limit	Limit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	6.0	mg/kg	5.0	mg/kg
TOTAL	6.0	mg/kg		

**Quality Assurance Report**GRO QC No.: *0492-STD*DRO QC No.: *0490-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	%HSD	Limit
Gasoline Range (C5-C9)	113	111	(70-130)	1	20%
Diesel Range (C10-C28)	108	115	(70-130)	6	20%

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

Approved by: *[Signature]*  
 Date: *10/14/96*