

*Donna S. Frost*  
JICARILLA APACHE TRIBE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE  
P.O. BOX 507  
MAR 28 1997 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  
Facility or Well Name: Jicarilla 67 #11 DP # 53084A Pit #1  
Location: 1810 FSL, 1180 FWL  
Unit or Qtr/Qtr Sec 16/34 Sec 18 T 25N R 5W County Rio Arriba  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: Jicarilla Apache

Pit Location: (Attach diagram) Pit dimensions: length 12', width 12.5', depth 2.5'  
Reference: wellhead ☒, other ☐  
Footage from reference: 22.5'  
Direction from reference: 215° Degrees ☐ East ☐ North ☐  
☐ 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) 0

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) 0

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) 0

Wellhead Protection Area: (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) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

Remediation Started: N/A 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 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, 1.5' below the bottom surface of the pit.

Sandstone bedrock at 1.5' below pit bottom.

Sample depth 1.5' 4 feet below the bottom surface of the pit. 5 point composite

Sample date 6-6-96 Sample time \_\_\_\_\_

Sample Results

Pit #1

Soil: Benzene (ppm) <0.25 Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) 7.6 Toluene (ppb) \_\_\_\_\_

Field Headspace (ppm) 193 Ethylbenzene (ppb) \_\_\_\_\_

TPH (ppm) ND 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 8-29-96 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 X NO \_\_\_\_\_ (REASON) \_\_\_\_\_

SIGNED: [Signature] DATE: 8/30/96

Component	MDL	Date Sampled:	Units	Method	M6				
					32405B-1-V	53082A-1-V	53082A-1-V	53080B-1-V	53084B-1-V
BTEX via SW846 Method 8260				Blank	019972 96	019973 96	019974 96	019975 96	019976 96
Benzene	0.005		mg/kg	<	<0.25	<0.25	<0.25	-	<0.25
Toluene	0.005		"	<	<0.25	2.2	2.3	-	1.2
Ethylbenzene	0.005		"	<	<0.25	3.2	3.1	-	<0.25
m&p-Xylene	0.005		"	<	0.26	16	16	-	4.3
o-Xylene	0.005		"	<	<0.25	7.0	7.0	-	1.6
Surrogate Recoveries			%						
d4-1,2-Dichloroethane				102	102	103	109	-	104
d8-Toluene				107	95	111	116	-	108
Bromofluorobenzene				84	92	117	121	-	95
					(1)(2)	(1)			(2)
TPH via SW846 Method 8015b	19		mg/kg	<	140	700	-	<	<
Surrogate Recoveries			%						34000
5-a-Androstane				88	140	113	-	100	117
									72

32405B-1-V

53082A-1-V

53082A-1-V

53080B-1-V

53084B-1-V

019972 96

019973 96

019974 96

019975 96

019976 96

019977 96

019978 96

019979 96

019980 96

019981 96

019982 96

019983 96

019984 96

019985 96

019986 96

019987 96

019988 96

019989 96

019990 96

019991 96

019992 96

019993 96

019994 96

019995 96

019996 96

019997 96

019998 96

019999 96

020000 96

020001 96

020002 96

020003 96

020004 96

020005 96

020006 96

020007 96

020008 96

020009 96

020010 96

020011 96

020012 96

020013 96

020014 96

020015 96

020016 96

020017 96

020018 96

020019 96

020020 96

020021 96

020022 96

020023 96

020024 96

020025 96

020026 96

020027 96

020028 96

020029 96

020030 96

020031 96

020032 96

020033 96

020034 96

020035 96

020036 96

020037 96

020038 96

020039 96

020040 96

020041 96

020042 96

020043 96

020044 96

020045 96

020046 96

020047 96

020048 96

020049 96

020050 96

020051 96

020052 96

020053 96

020054 96

020055 96

020056 96

020057 96

020058 96

020059 96

020060 96

020061 96

020062 96

020063 96

020064 96

020065 96

020066 96

020067 96

020068 96

020069 96

020070 96

020071 96

020072 96

020073 96

020074 96

020075 96

020076 96

020077 96

020078 96

020079 96

020080 96

020081 96

020082 96

020083 96

020084 96

020085 96

020086 96

020087 96

020088 96

020089 96

020090 96

020091 96

020092 96

020093 96

020094 96

020095 96

020096 96

020097 96

020098 96

020099 96

020100 96

020101 96

020102 96

020103 96

020104 96

020105 96

020106 96

020107 96

020108 96

020109 96

020110 96

020111 96

020112 96

020113 96

020114 96

020115 96

020116 96

020117 96

020118 96

020119 96

020120 96

020121 96

020122 96

020123 96

020124 96

020125 96

020126 96

020127 96

020128 96

020129 96

020130 96

020131 96

020132 96

020133 96

020134 96

020135 96

020136 96

020137 96

020138 96

020139 96

020140 96

020141 96

020142 96

020143 96

020144 96

020145 96

020146 96

020147 96

020148 96

020149 96

020150 96

020151 96

020152 96

020153 96

020154 96

020155 96

020156 96

020157 96

020158 96

020159 96

020160 96

020161 96

020162 96

020163 96

020164 96

020165 96

020166 96

020167 96

020168 96

020169 96

020170 96

020171 96

020172 96

020173 96

020174 96

020175 96

020176 96

020177 96

020178 96

020179 96

020180 96

020181 96

020182 96

020183 96

020184 96

020185 96

020186 96

020187 96

020188 96

020189 96

020190 96

020191 96

020192 96

020193 96

020194 96

020195 96

020196 96

020197 96

020198 96

020199 96

020200 96

020201 96

020202 96

020203 96

020204 96

020205 96

020206 96

020207 96

020208 96

020209 96

020210 96

020211 96

020212 96

020213 96

</