

Remediation Fund
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

SUBMIT 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 37499-4289
Facility or Well Name: Jicarilla 120C #14 DP# 52032A
Location: Unit or Qtr/Qtr Sec P^D Sec 30 T 26 R 04 County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Location: Pit dimensions: length 16', width 15', depth 3'
(attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference: 100'
Direction from reference: 120° 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) 20

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) 10

RANKING SCORE (TOTAL POINTS): 30

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

Remediation Method: Excavation ☒ Approx. cubic yards 180

(Check all appropriate sections)

Landfarmed ☒

In situ Bioremediation _____

Other _____

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

General Description of Remedial Action: Excavated contaminated
material to sandstone at 11 Ft

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 10 Ft 11 Ft Sandstone

Sample date 8-23-96 Sample time 11:00

Sample Results

Soil: Benzene (ppm) 0.0 Water: Benzene (ppb) _____

Total BTEX (ppm) 0.41 Toluene (ppb) _____

Field Headspace (ppm) 246 Ethylbenzene (ppb) _____

TPH (ppm) 76 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: [Signature] DATE: 8/30/96

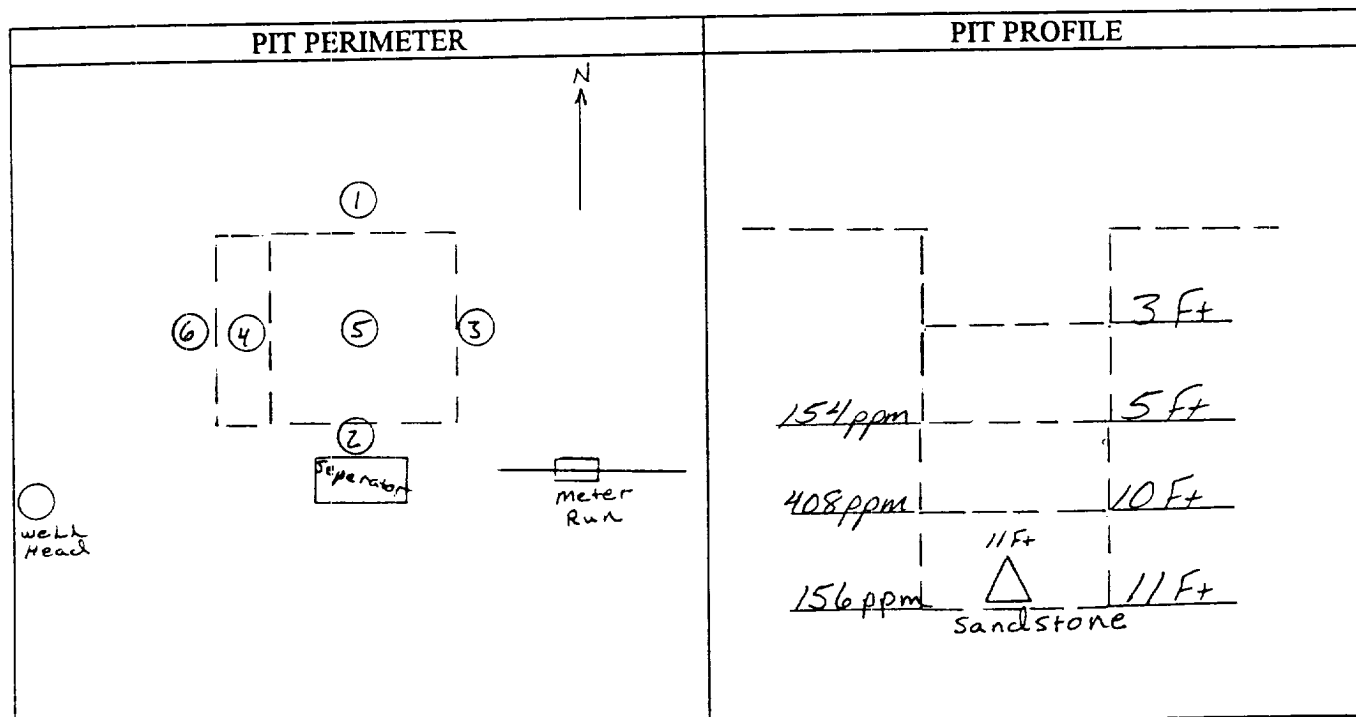
BURLINGTON RESOURCES

PIT CLOSURE VERIFICATION SHEET

Location: Acarilla 120 C #14 DP# 52032A Lease No. Acarilla Cont #120
 Contractor: Philips Env Consultant Initials: JZP
 Date Started: 8-23-96 Date Finished:

Excavation & Soil Information

Dimensions (approx.): 26' FT. x 17' FT. x 11' FT. Deep Cubic Yards: (bcy) 180
 Soil Remediated ☒ On Site ☐ Off Site If off site name location (s)



OVM Results:								
Sample ID	1	2	3	4	5	6	7	8
Headspace PID (ppm)	20	18	44	247	156	09		
Sample ID	9	10	11	12	13	Comp 1	Comp 2	Comp 3
Headspace PID (ppm)					246			

Laboratory Results:			
Sample ID	M6-52032A-3-V		
BTEX RM8020 (ppm)	0.41		
TPH RM8015 (ppm)	76.0		

8/29/96

Zenon Environmental Laboratories - Certificate of Analysis

Page 2 of 3

Component	MDL	Units	Method	M6	M6
			Blank	52031A-2-V	52032A-3-V
<i>Client ID:</i>					
<i>Zenon ID:</i>			033503 96	033504 96	033505 96
<i>Date Sampled:</i>			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	19	mg/kg	<	<	<
Surrogate Recoveries		%			
5-a-Androstane			123	81	76



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

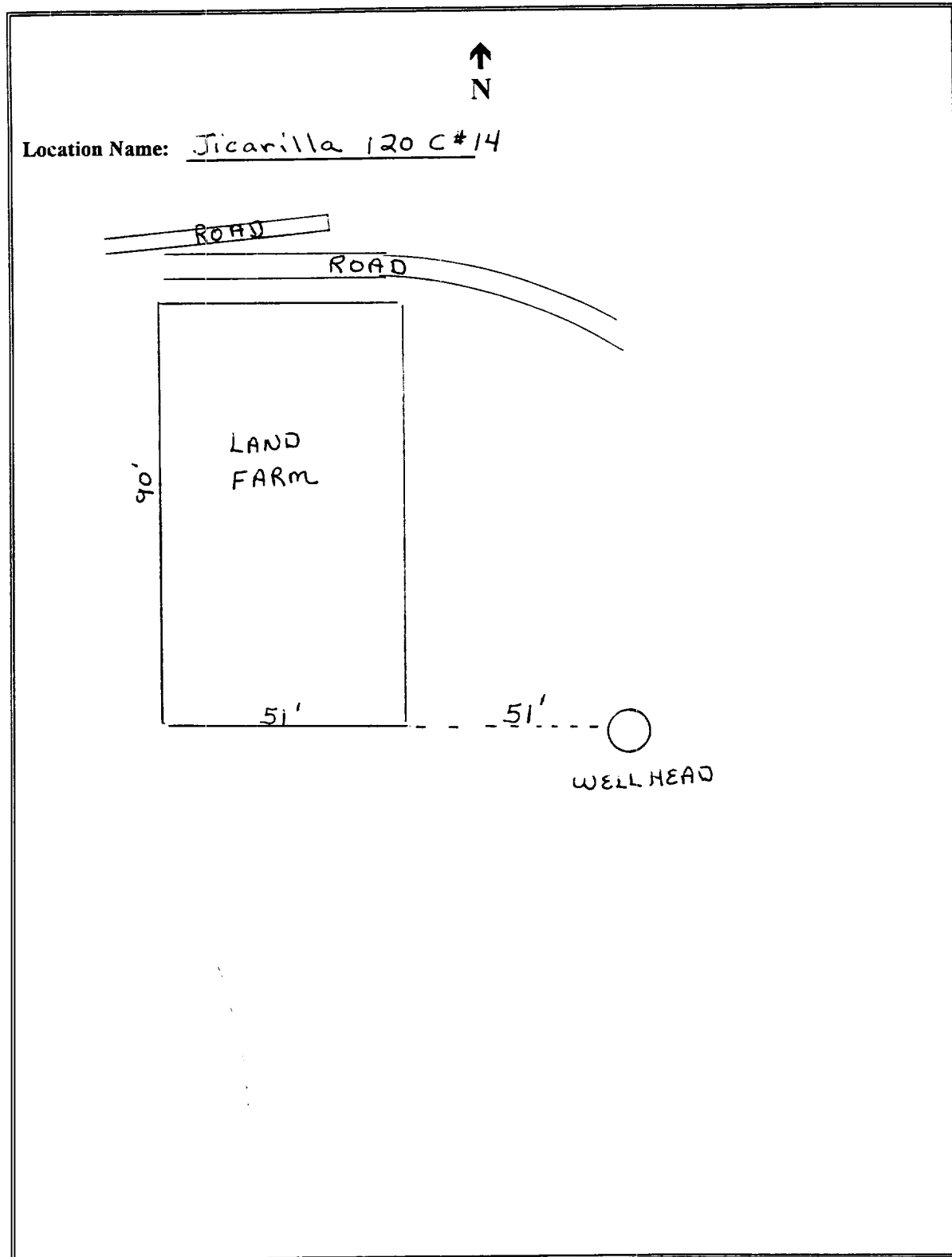
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DULCE, NEW MEXICO 87528

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#14</u>		
Location:	Unit: <u>P</u>	Sec. <u>30</u> T. <u>26 N</u> R. <u>04 W</u> County <u>Rio Arriba</u>
Land Type: <u>Jicarilla Apache</u>		
Date Remediation Started: <u>8-23-96</u>		Date Completed: _____
Remediation Method: <u>Landfirmed</u> ☒		Approx. cubic yards <u>180</u>
Composted ☐		
Other _____		
Depth to Ground Water: (pts.) <u>20</u>		Final Closure Sampling: Sampling Date: <u>9-4-96</u> Time <u>2:20 pm</u> Sampling Results: Field Headspace (ppm) <u>4</u> TPH (ppm) <u><5</u> Method <u>8015</u> Other _____ Sample No. <u>M6-52032A-1-LF</u>
Distance to an Ephemeral Stream: (pts.) <u>0</u>		
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u>		
Wellhead Protection Area: (pts.) <u>0</u>		
Distance to Surface Water: (pts.) <u>10</u>		
Ranking Score (Total Points): <u>30</u>		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF		
DATE <u>9/19/96</u>		PRINTED NAME <u>Guy L Garretson</u>
SIGNATURE <u>Guy L Garretson</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: <u>Kee C. Mann</u>		DATE: <u>10-1-96</u>

ON-SITE SOIL REMEDIATION DIAGRAM



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. **12001**
 Job No. **2-1000**

Project Name: **Burlington Resources**
 Project Location: **M6-52032A-1-LF**
 Sampled by: **CAB/GG**
 Analyzed by: **DC**
 Sample Matrix: **Soil**

Date: **4-Sep-96** Time: **14:20**
 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: *[Signature]*
 Date: **9/7/96**