

Benjamin E. Frost

DEPUTY OIL & GAS INSPECTOR

MAR 28 1997

JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528



SUBMIT 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 15 #1 DP# 44219A

Location: Unit or Qtr/Qtr Sec H Sec 20 T 23 R 03 County Sandoval

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location:
(See diagram)

Pit dimensions: length 16', width 15', depth 03'

Reference: wellhead ☒ other ☐

Footage from reference: 19'

Direction from reference: 150° Degrees ☐ East ☒ North
of ☐ 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

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Distance To Surface Water:

(Minimum distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

OIL CON. DIV.
DIST. 3
Less than 100 feet (20 points)
100 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 8-26-96 Date Completed: _____

Remediation Method: Excavation ☒ Approx. cubic yards 270
(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: Excavated contaminated material

Groundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location See pit closure verification
Closure Sampling: Sheet
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 10 Ft
Sample date 8-26-96 Sample time 0930

Sample Results

Soil: Benzene (ppm)	<u>ND</u>	Water: Benzene (ppb)	_____
Total BTEX (ppm)	<u>0.015</u>	Toluene (ppb)	_____
Field Headspace (ppm)	<u>01</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>ND</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 8-26-96 PRINTED NAME CRAIG A. Back
SIGNATURE Craig A. Back 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: Ken C. Marshall DATE: 9-5-96

BURLINGTON RESOURCES

PIT CLOSURE VERIFICATION SHEET

Location: Acurilla 15*1 DP# 44219A Lease No. Acurilla Apache
 Contractor: Philip Env. Consultant Initials: JP Tribal Cont. # 15
 Date Started: 8-26-96 Date Finished: _____

Excavation & Soil Information

Dimensions (approx.): 26' FT. x 28' FT. x 10' FT. Deep Cubic Yards: (bcy) 270
 Soil Remediated ☒ On Site ☐ Off Site If off site name location (s) _____

PIT PERIMETER	PIT PROFILE

OVM Results:								
Sample ID	1	2	3	4	5	6	7	8
Headspace PID (ppm)	0	0	10	0	01			
Sample ID	9	10	11	12	13	Comp 1	Comp 2	Comp 3
Headspace PID (ppm)						01		

Laboratory Results:	
Sample ID	m6-44219A-3-V
BTEX RM8020 (ppm)	0.015
TPH RM8015 (ppm)	ND

Zenon Environmental Laboratories

Certificate of Analysis

Client: Philip Environmental Inc. Project: 16256

Component	Client ID:	Method	M6	M6	M6	M6	M6	M6	M6	M6
BTEX via SW846 Method 8260	Zenon ID:	Blank	44219A-3-V	44219A-3-V	44219A-3-V	44219A-3-V	44219A-3-V	44219A-3-V	44219A-3-V	29200A-2-V
Benzene	Date Sampled:	033787 96	033788 96	033788 96	033788 96	033788 96	033788 96	033788 96	033788 96	033789 96
Toluene	MDL	96/08/26	96/08/26	96/08/26	96/08/26	96/08/26	96/08/26	96/08/26	96/08/26	96/08/26
Ethylbenzene	Units									
m&p-Xylene		mg/kg								
o-Xylene		"								
Surrogate Recoveries		"								
d4-1,2-Dichloroethane		%								
d8-Toluene										
Bromofluorobenzene										
TPH via SW846 Method 8015b										
Surrogate Recoveries										
5-a-Androstane										

0.45

14

4.9

50

16

103

104

77

(1)

6900

93

106

35

67

70

95

106

93

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NATURAL
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AND OIL-GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: BURLINGTON RESOURCES Telephone: (505) 326-9700
Address: P.O. BOX 4289, Farmington, NM 87499-4289
Facility or Well Name: Jicarilla 15-1
Location: Unit: H Sec. 20 T. 23 N R. 03 W County Sandoval
Land Type: Jicarilla Apache

Date Remediation Started: 8-26-96 Date Completed: _____
Remediation Method: Landfilled ☒ Approx. cubic yards 270
Composted ☐
Other _____

Depth to Ground Water: (pts.) 20
Distance to an Ephemeral Stream: (pts.) 0
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 20

Final Closure Sampling:
Sampling Date: 9-4-96 Time 5:00 pm
Sampling Results:
Field Headspace (ppm) 1.8
TPH (ppm) <5 Method 8015
Other _____
Sample No. m6-44219A-1-LF

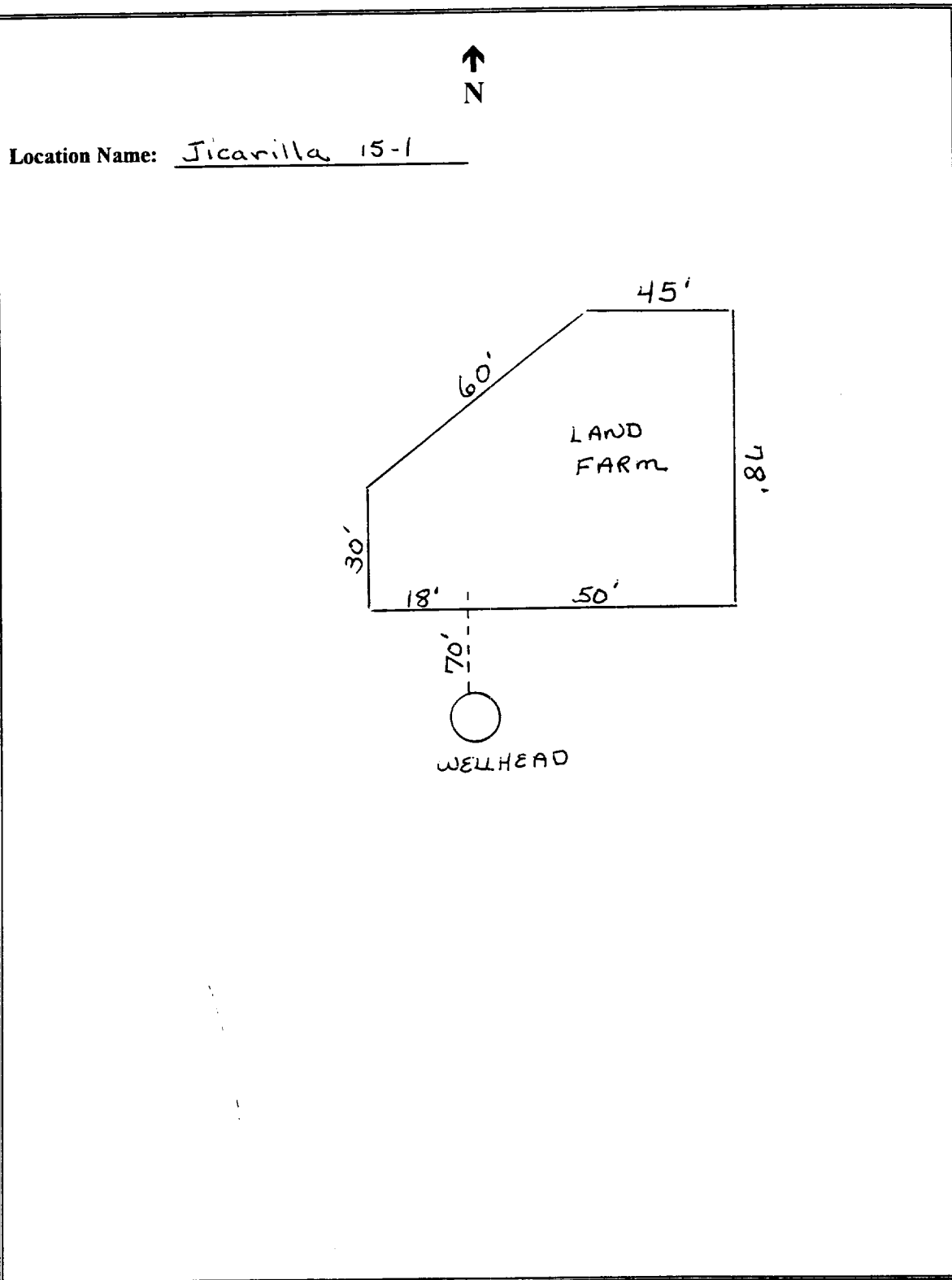
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9/19/96 PRINTED NAME Guy L Garretson
SIGNATURE Guy L Garretson AND TITLE Lease Operator

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: Ken C. M... DATE: 10-1-96

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. **12007**
 Job No. **2-1000**

Project Name: **Burlington Resources**
 Project Location: **M6-44219A-1-LF**
 Sampled by: **CAB/GG**
 Analyzed by: **DC**
 Sample Matrix: **Soil**

Date: **4-Sep-96** Time: **17:00**
 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	1,276	5.5	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: *Jack*
 Date: *9/7/96*

