

Tank - OK.

NATURAL RESOURCE DEPT

LAND OIL & GAS ADMINISTRATION

AND OIL & GAS ADMINISTRATION
RECEIVED
NOV 12 1966
OIL CORP. DIV.
DIST. 2

Operator: <u>RODDY PRODUCTION</u>		Telephone: <u>505-325-5750</u>
Address: <u>P.O. BOX 2221 FARMINGTON, NM 87499</u>		
Facility or Well Name: <u>CHACON JICARILLA APACHE N NO 107</u>		
Location: Unit or Qtr/Qtr Sec <u>D</u> Sec <u>25</u> T <u>23N</u> R <u>3W</u> County <u>RIO ARRIBA NM</u>		
Pit Type: Separator <u>X</u> Dehydrator <u> </u> Other <u> </u>		
Land Type: <u> </u>		

Pit Location:	Pit dimensions: length <u>15'</u> , width <u>15'</u> , depth <u>3'</u>
(Attach diagram)	Reference: wellhead <u>X</u> , other <u> </u>
	Footage from reference: <u>90</u>
	Direction from reference: <u>S20W</u> Degrees <u> </u> East North <u> </u> of <u> </u> West South <u> </u>

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Less than 50 feet</td> <td style="width: 40%;">(20 points)</td> </tr> <tr> <td>50 feet to 99 feet</td> <td>(10 points)</td> </tr> <tr> <td>Greater than 100 feet</td> <td>(0 points) <u>0</u></td> </tr> </table>	Less than 50 feet	(20 points)	50 feet to 99 feet	(10 points)	Greater than 100 feet	(0 points) <u>0</u>
Less than 50 feet	(20 points)						
50 feet to 99 feet	(10 points)						
Greater than 100 feet	(0 points) <u>0</u>						
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Less than 100 feet</td> <td style="width: 40%;">(10 points)</td> </tr> <tr> <td>Greater than 100 feet</td> <td>(0 points) <u>0</u></td> </tr> </table>	Less than 100 feet	(10 points)	Greater than 100 feet	(0 points) <u>0</u>		
Less than 100 feet	(10 points)						
Greater than 100 feet	(0 points) <u>0</u>						
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Less than 100 feet</td> <td style="width: 40%;">(10 points) <u>0</u></td> </tr> <tr> <td>Greater than 100 feet</td> <td>(0 points) <u> </u></td> </tr> </table>	Less than 100 feet	(10 points) <u>0</u>	Greater than 100 feet	(0 points) <u> </u>		
Less than 100 feet	(10 points) <u>0</u>						
Greater than 100 feet	(0 points) <u> </u>						
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Yes</td> <td style="width: 40%;">(20 points)</td> </tr> <tr> <td>No</td> <td>(0 points) <u>0</u></td> </tr> </table>	Yes	(20 points)	No	(0 points) <u>0</u>		
Yes	(20 points)						
No	(0 points) <u>0</u>						
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Less than 100 feet</td> <td style="width: 40%;">(20 points)</td> </tr> <tr> <td>100 feet to 1000 feet</td> <td>(10 points)</td> </tr> <tr> <td>Greater than 1000 feet</td> <td>(0 points) <u>0</u></td> </tr> </table>	Less than 100 feet	(20 points)	100 feet to 1000 feet	(10 points)	Greater than 1000 feet	(0 points) <u>0</u>
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): 0

Date Remediation Started: 7/7/97 Date Completed: 7/9/97

Remediation Method: Excavation X

Approx. cubic yards 40

(Check all appropriate sections)

Landfarmed X

In situ Bioremediation _____

Other _____

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

General Description of Remedial Action: EXCAVATE PIT TO OVM LEVEL OF OPPM

SAMPLE 1 4' BELOW EXCAVATION SAMPLE 2 4 POINT COMPOSITE SIDES

Groundwater Encountered: No X Yes _____ Depth _____

Final Pit: Sample location #1 - 4' BELOW EXCAVATION #2 - 1' PENETRATION EACH SIDE

Closure Sampling: ANALYSIS - FIELD HEADSPACE AND TPH ALL SAMPLES

(if multiple samples, attach sample results

and diagram of sample

locations and depths)

Sample depth 7 FEET

Sample date 7/9/97 Sample time 10:30

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field Headspace (ppm) 0 Ethylbenzene (ppb) _____

TPH (ppm) S-649 B-756 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 9/4/97 PRINTED NAME BRADLEY W. SALZMAN

SIGNATURE Bradley W. Salzman AND TITLE AGENT

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: K. S. M... DATE: 9-8-97



Amoco Production Company

ENGINEERING CHART

Sheet No. _____ Of _____

File _____

Appn _____

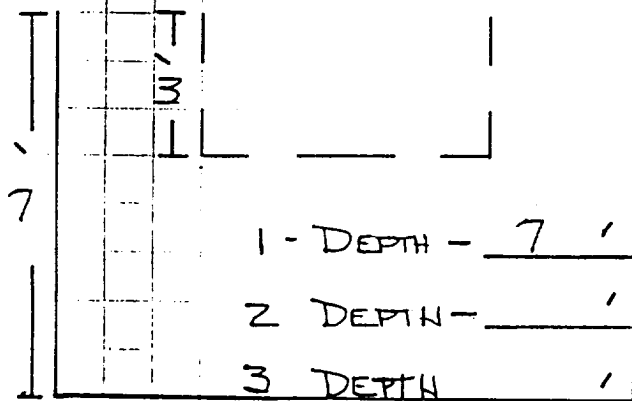
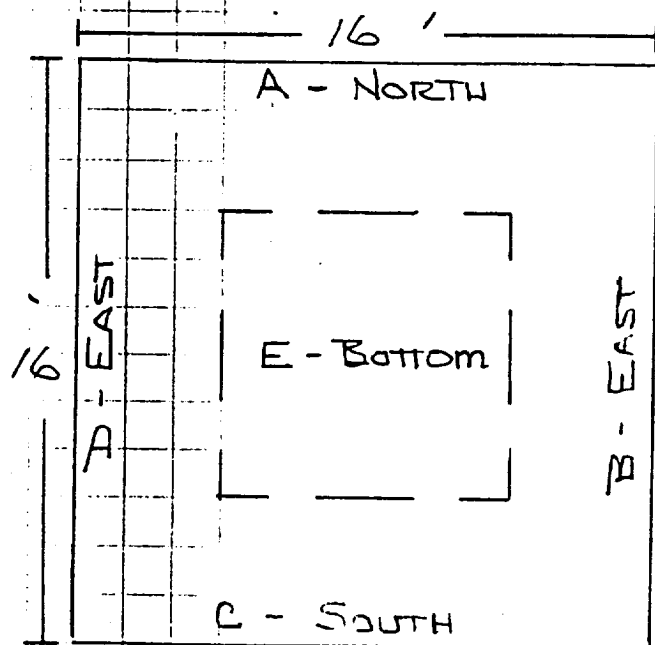
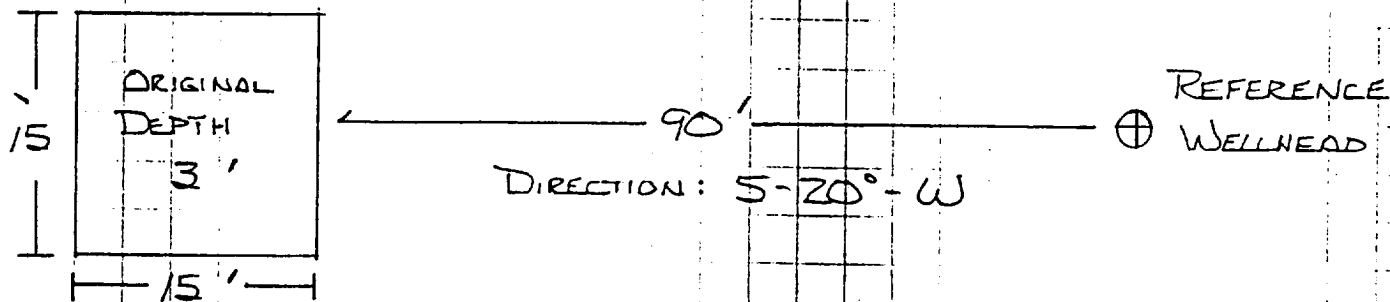
Date _____

By _____

SUBJECT RODDY PRODUCTION - PIT CLOSURE

FIELD NOTES

WELL NAME: CHACON JICARILLA APACHE
D-107 SEPARATOR



— — — ORIGINAL
— — — EXCAVATED

SAMPLE ANALYSIS

	OVM PPM	TPH PPM
A ₁	14	A-D 649 756
B ₁	7	
C ₁	8	
D ₁	4	
E ₁	9	
A ₂		
B ₂		
C ₂		
D ₂		
E ₂		
A ₃		
B ₃		
C ₃		
D ₃		
E ₃		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

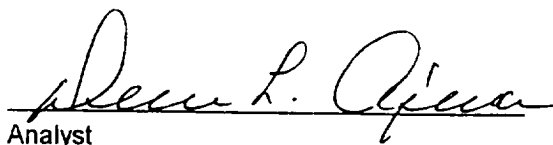
Client:	Roddy Production	Project #:	96300-44
Sample ID:	Chacon Jic. D-107 Sep Sides	Date Reported:	07-11-97
Laboratory Number:	B648	Date Sampled:	07-09-97
Chain of Custody No:	5293	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

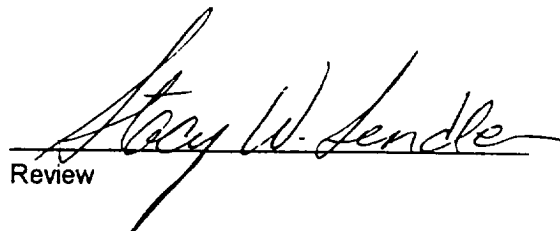
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	15.5	0.2
Diesel Range (C10 - C28)	634	0.1
Total Petroleum Hydrocarbons	649	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla Pits.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS									
Robby Production			TICARILLA PMS											
Sampler: (Signature) <i>B. J. Solymon</i>			Chain of Custody Tape No. 96300-44											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks								
CHACON TICARILLA	7-9-97	10:05	Ble 42	Soil	1	"								
D-109 Tank Sides	"	10:10	Ble 43	"	1	"								
D-109 Tank Bot.	"	10:15	Ble 44	"	1	"								
D-109 SEP. Sides	"	10:20	Ble 45	"	1	"								
D-107 Tank Sides	"	10:30	Ble 46	"	1	"								
D-107 Tank Bot.	"	10:35	Ble 47	"	1	"								
D-107 SEP. Sides	"	10:40	Ble 48	"	1	"								
D-107 SEP. Bot.	"	10:45	Ble 49	"	1	"								
Samples received cool & intact														
Relinquished by: (Signature) <i>B. J. Solymon</i>			Date 7-9-97	Time 13:55	Received by: (Signature) <i>Alvaro L. Ojeda</i>			Date 7-9-97			Time 13:55			
Relinquished by: (Signature)						Received by: (Signature)								
Relinquished by: (Signature)						Received by: (Signature)								

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

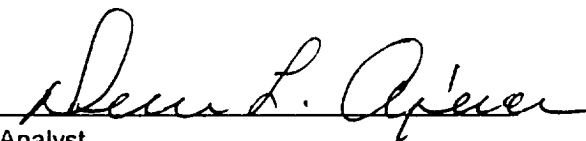
Client:	Roddy Production	Project #:	96300-44
Sample ID:	Chacon Jic. D-107 Sep Bot.	Date Reported:	07-11-97
Laboratory Number:	B649	Date Sampled:	07-09-97
Chain of Custody No:	5293	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

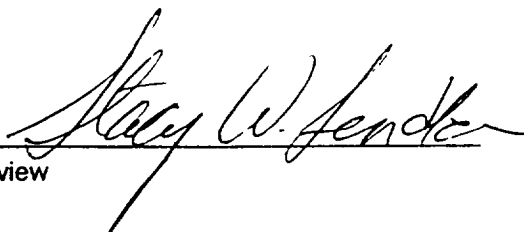
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	20.6	0.2
Diesel Range (C10 - C28)	735	0.1
Total Petroleum Hydrocarbons	756	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla Pits.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		Chain of Custody Tape No.		ANALYSIS/PARAMETERS									
RODDY PRODUCTION			JICARILLA PITS		96300-44											
Sampler: (Signature) <i>Bob Salzman</i>																
Sample No / Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks										
CUACAN JICARILLA																
D-109 TANK SIDES	7-9-97	10:05	B642	Soil	1	8015 TPH										
"																
D-109 TANK BOT.	"	10:10	B643	"	1	"										
"																
D-109 SEP. SIDES	"	10:15	B644	"	1	"										
"																
D-109 SEP. BOT.	"	10:20	B645	"	1	"										
"																
D-107 TANK SIDES	"	10:30	B646	"	1	"										
"																
D-107 TANK BOT.	"	10:35	B647	"	1	"										
"																
D-107 SEP. SIDES	"	10:40	B648	"	1	"										
"																
D-107 SEP. BOT.	"	10:45	B649	"	1	"										
Relinquished by: (Signature) <i>Bob Salzman</i>			Date	Time	Received by: (Signature) <i>Alfred D. Green</i>	Samples received 1001 in Initial Bag										
Relinquished by: (Signature)			7-9-97	13:55	Received by: (Signature)	7-9-97 13:55										
Relinquished by: (Signature)					Received by: (Signature)											

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

NOV 1 2 1936
U.S. DEPT. OF JUSTICE
750-
DIST. 3

OIL CORP. DIV.
DEPT. 3

Operator: _____ **Telephone:** _____
RODDY PRODUCTION 505-325-5750

Address: _____
P.O. BOX 2221 FARMINGTON, NM 87499

Facility or Well Name: _____
CHACON JICARILLA APACHE D NO 107

Location: Unit or Qtr/Qtr Sec. D Sec. 25 T. 23N R. 3W County RIO ARriba NM

Pit Type: Separator _____ Dehydrator _____ Other _____ TANK _____

Land Type: _____

Pit Location: Pit dimensions: length 15', width 15', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 100

Direction from reference: N80W 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) <u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) <u>0</u> Greater than 100 feet (0 points) _____
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) <u>0</u> Greater than 100 feet (0 points) _____
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) <u>0</u>
Distance To SurfaceWater: (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): 0

Date Remediation Started: 7/7/97 Date Completed: 9/3/97Remediation Method: Excavation ☒Approx. cubic yards 65

(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: EXCAVATE PIT TO OVM LEVEL OF OPPMSAMPLE 1 4' BELOW EXCAVATION SAMPLE 2 4 POINT COMPOSITE SIDESGroundwater Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location #1 - 4' BELOW EXCAVATION #2 - 1' PENETRATION EACH SIDE

Closure Sampling:

(if multiple samples, ANALYSIS - FIELD HEADSPACE AND TPH ALL SAMPLES _____
attach sample resultsand diagram of sample locations and depths) Sample depth 7 & 9 FEETSample date 7/9/97 Sample time 10:30Sample Results 9/3/97 07:20

7 FEET Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

BOTTOM TPH Total BTEX (ppm) _____ Toluene (ppb) _____

2090 PPM Field Headspace (ppm) 0 Ethylbenzene (ppb) _____TPH (ppm) S-485-B-33 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 9/4/97 PRINTED NAME BRADLEY W. SALZMANSIGNATURE Bradley W. Salzman AND TITLE AGENT

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: Handwritten Signature DATE: 9-8-97



Amoco Production Company

ENGINEERING CHART

Sheet No. _____

Of _____

File _____

Appn _____

Date _____

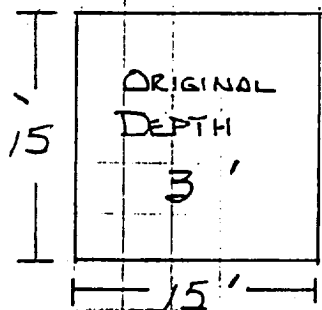
By _____

SUBJECT

RODDY PRODUCTION - PIT CLOSURE

FIELD NOTES

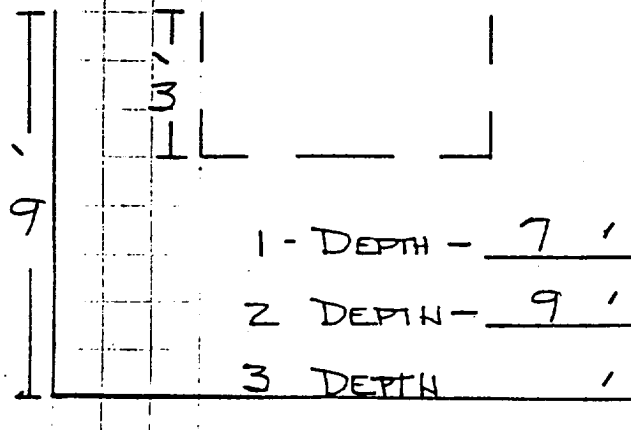
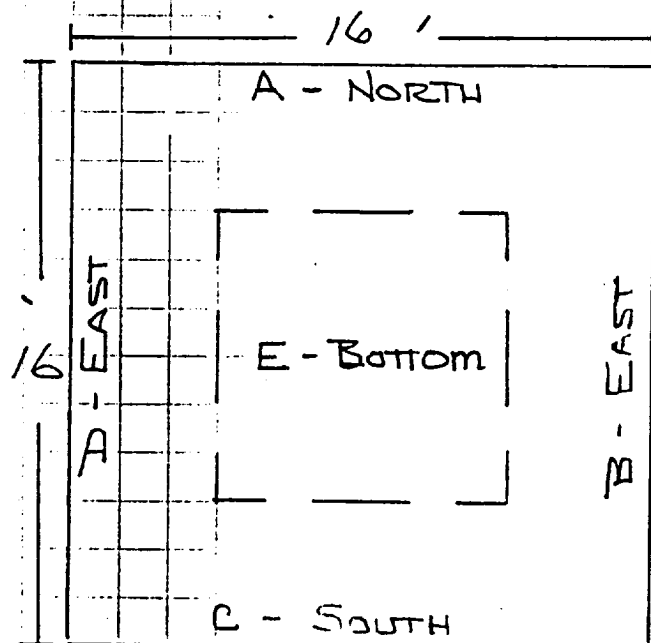
WELL NAME: CHACON JICARILLA APACHE
D-107 TANK



100'

DIRECTION: N-80°-W

REFERENCE
⊕ WELLHEAD



SAMPLE ANALYSIS

	OVM PPM	TPH PPM
A ₁	12	A-D 485
B ₁	7	
C ₁	14	
D ₁	0	
E ₁	13	
A ₂	0	2090
B ₂	2	
C ₂	0	
D ₂	4	
E ₂	1	
A ₃		33
B ₃		
C ₃		
D ₃		
E ₃		

— ORIGINAL
— EXCAVATED

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

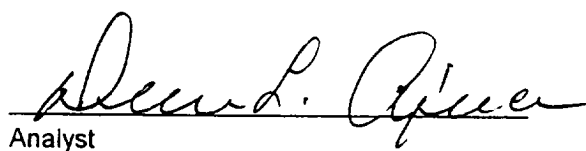
Client:	Roddy Production	Project #:	96300-44
Sample ID:	Chacon Jic. D-107 Tank Sides	Date Reported:	07-11-97
Laboratory Number:	B646	Date Sampled:	07-09-97
Chain of Custody No:	5293	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

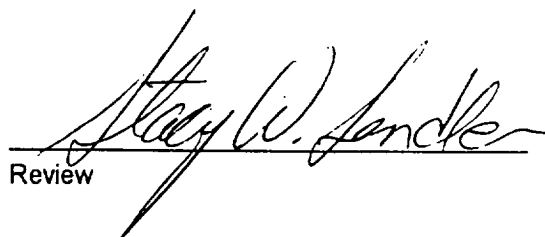
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	484	0.1
Total Petroleum Hydrocarbons	485	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla Pits.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSIS/PARAMETERS								
Robby Production		Jicarilla Pts										
Sampler (Signature) <i>B. J. Salzman</i>		Chain of Custody Tape No. 96300-44										
Sample No / Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks						
CHACON JICARILLA	7-9-97	10:05	Ble 42	Soil	1	"						
D-109 Tank Sides	"	10:10	Ble 43	"	1	"						
D-109 Tank Bot.	"	10:15	Ble 44	"	1	"						
D-109 SEP. Sides	"	10:20	Ble 45	"	1	"						
D-109 SEP. Bot.	"	10:30	Ble 46	"	1	"						
D-107 Tank Sides	"	10:35	Ble 47	"	1	"						
D-107 Tank Bot.	"	10:40	Ble 48	"	1	"						
D-107 SEP. Sides	"	10:45	Ble 49	"	1	"						
D-107 SEP. Bot.	"											
Relinquished by: (Signature) <i>B. J. Salzman</i>				Date 7-9-97	Time 13:55	Received by: (Signature) <i>Abner L. Ojeda</i>				Date 7-9-97	Time 13:55	
Relinquished by: (Signature)						Received by: (Signature)						
Relinquished by: (Signature)						Received by: (Signature)						

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

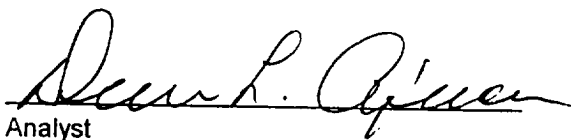
Client:	Roddy Production	Project #:	96300-44
Sample ID:	Chacon Jic. D-107 Tank Bot.	Date Reported:	07-11-97
Laboratory Number:	B647	Date Sampled:	07-09-97
Chain of Custody No:	5293	Date Received:	07-09-97
Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

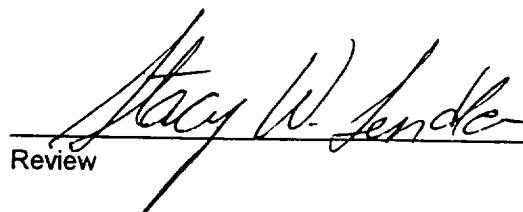
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	243	0.2
Diesel Range (C10 - C28)	1,850	0.1
Total Petroleum Hydrocarbons	2,090	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Jicarilla Pits.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS						
RODDY PRODUCTION			JICARILLA PTS								
Sampler (Signature) <i>Bob Solymann</i>			Chain of Custody Tape No. 96300-44								
Sample No / Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks					
CUACAN JICARILLA	7-9-97	10:05	Ble 42	Soil	1	"					
D-109 TANK SIDES	"	"	Ble 43	"	1	"					
D-109 TANK BOT.	"	10:10	Ble 43	"	1	"					
D-109 SEP. SIDES	"	10:15	Ble 44	"	1	"					
D-109 SEP. BOT.	"	10:20	Ble 45	"	1	"					
D-107 TANK SIDES	"	10:30	Ble 46	"	1	"					
D-107 TANK BOT.	"	10:35	Ble 47	"	1	"					
D-107 SEP. SIDES	"	10:40	Ble 48	"	1	"					
D-107 SEP. BOT.	"	10:45	Ble 49	"	1	"					
Samples received & cool & intact											
Relinquished by: (Signature) <i>Bob Solymann</i>			Date 7-9-97	Time 13:55	Received by: (Signature) <i>Robert L. Ogden</i>			Date 7-9-97	Time 13:55		
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)					Received by: (Signature)						

ENVIROTECH INC.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

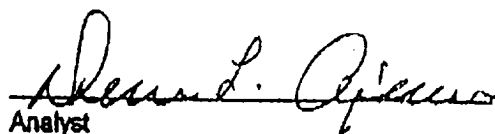
Client:	Roddy Production	Project #:	96300-44
Sample ID:	D-107 Tank Bottom	Date Reported:	09-04-97
Laboratory Number:	B962	Date Sampled:	09-03-97
Chain of Custody No:	5296	Date Received:	09-03-97
Sample Matrix:	Soil	Date Extracted:	09-03-97
Preservative:	Cool	Date Analyzed:	09-03-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

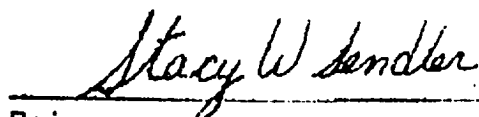
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	11.7	0.2
Diesel Range (C10 - C28)	21.3	0.1
Total Petroleum Hydrocarbons	33.0	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Chacon Jicarilla. Jicarilla Pits.


Analyst


Review

[illegible]

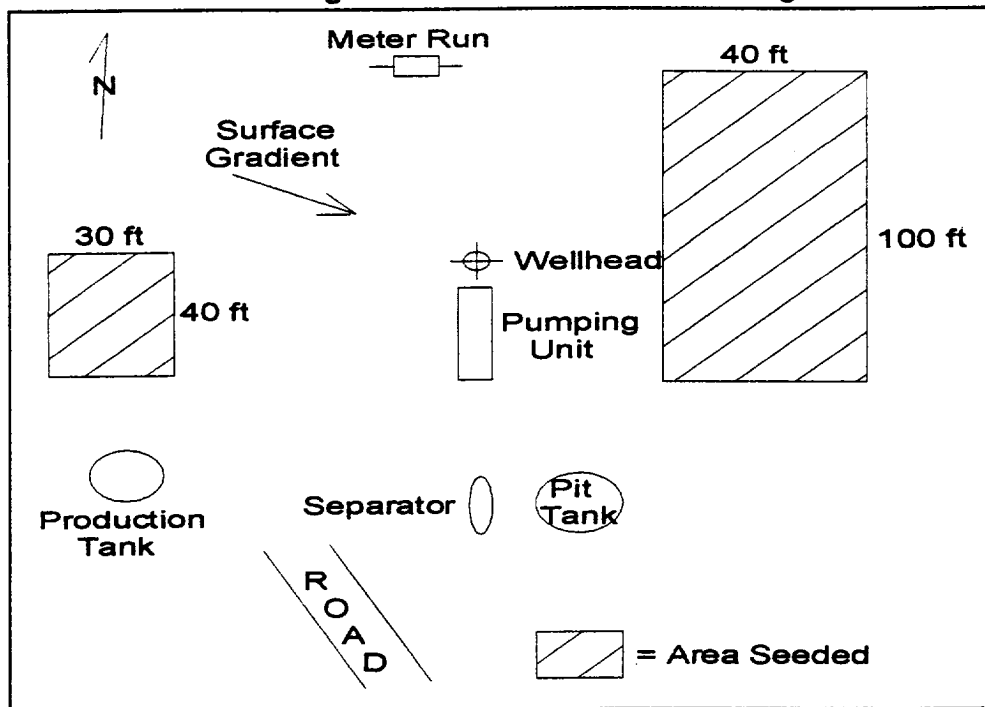
Client : **Roddy Production**

Location : Chacon Jicarilla Apache D-107

Quad : D Section : 25 Township : 23N Range : 3W

County : Sandoval

Site Diagram and Overview of Seeding

Date Seeded: October 18, 1999Seed Mix: Bag Number: 27579 #1, 27580 #1 North _____ South XWeed Certification Confirmation: Yes X No

Seeding Rate: 21 PLS Pounds per Acre

Approximate Area Seeded: 5,200 sq. ft. 0.12 acres

Equipment Used: MF Tractor with Drill Seeder

Seeded By: RB

Comments: _____

[illegible]

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Roddy Production</u> Telephone: <u>(505) 325-5750 1 2 1999</u>	
Address: <u>P.O. Box 2221, Farmington, NM 87499</u>	
Facility or Well Name: <u>Chacon Jicarilla Apache D-107</u>	
Location: Unit or Qtr/Qtr Sec <u>D</u> Sec <u>25</u> T <u>23N</u> R <u>3W</u> County <u>Sandoval</u>	
Land Type: <u>Range</u>	
Date Remediation Started: <u>July 1997</u> Date Completed: <u>September 1999</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>105</u>	
Composed <u> </u>	
Other <u> </u>	
Depth to Groundwater: (pts) <u>0</u>	Final Closure Sampling: Sampling Date: <u>9/14/99</u> Time: <u>12:30</u> Sample Results: Field Headspace (ppm) <u>22.4</u> TPH (ppm) <u>316</u> Method <u>8015</u> Other: <u> </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>0</u>	
RANKING SCORE (TOTAL POINTS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE: <u>October 4, 1999</u> PRINTED NAME <u>B.W. Salzman</u>	
SIGNATURE <u>B.W. Salzman</u> AND TITLE <u>Agent</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SITE SOIL REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u> </u>	
SIGNED: <u>K.C. Mando</u> DATE: <u>10-20-99</u>	

Client : Roddy Production

Date Started : July 1997 Date Completed : September 1999

Location: <u>Chacon Jicarilla Apache D-107</u>			
Quad: <u>D</u>	Section: <u>25</u>		
Township: <u>23 N</u>	Range: <u>3 W</u>		
Pits:	Separator and Tank	Sample #	Location
		1	Comp 1
		2	
		3	
		4	
		5	
		6	
		7	
		8	
		9	
		10	
		11	
		12	
		13	
Reference:			
LF #1: 50' northwest of wellhead			
LF #2: 20' southeast of wellhead			
Size: (Approximate)			
LF #1: 80' x 15' x 6" deep			
LF #2: 150' x 25' x 6" deep			
Yds: LF #1: 30 cubic yards			
LF #2: 75 cubic yards			
1 5 - Point Composite(s)			
OVM 22.4			

Overview of Landfarm and Sampling :

Comments: A sample from composite # 1 was sent to Envirotech for TPH 8015 analysis.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 17, 1999

Mr. Brad Salzman
Roddy Production Company
P.O. Box 2221
Farmington, New Mexico 87499

Project No.: 99063
Job No.: 906301

Dear Mr. Salzman,

Enclosed are the analytical results for the samples collected from the location designated as "Jicarilla Land Farms". Two soil samples were collected by Roddy Production Company designated personnel on 09/14/99, and delivered to the Envirotech laboratory on 09/15/99 for Total Petroleum Hydrocarbons (TPH) analysis per USEPA Method 8015 Modified.

The samples were documented on Envirotech Chain of Custody No. 7341 and assigned Laboratory Nos. G074 (JAT D-103) and G075 (JAT D-107) for tracking purposes. The samples were extracted and analyzed on 09/16/99 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.



Stacy W. Sender
Environmental Scientist/Laboratory Manager

enclosure

SWS/sws/99063/906301.lb2/wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

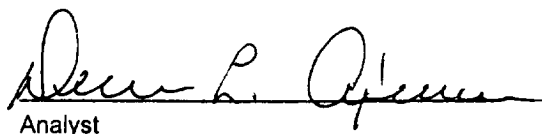
Client:	Roddy Proc. Co.	Project #:	906301
Sample ID:	JAT D-107	Date Reported:	09-16-99
Laboratory Number:	G075	Date Sampled:	09-14-99
Chain of Custody No:	7341	Date Received:	09-15-99
Sample Matrix:	Soil	Date Extracted:	09-16-99
Preservative:	Cool	Date Analyzed:	09-16-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

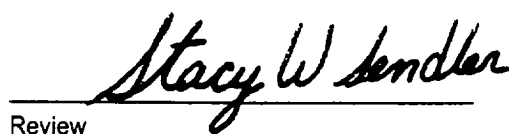
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9.5	0.2
Diesel Range (C10 - C28)	307	0.1
Total Petroleum Hydrocarbons	316	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla Land Farms.


Analyst


Review

CHAIN OF CUSTODY RECORD

7341

Client / Project Name		Project Location		ANALYSIS / PARAMETERS																					
Robby Prod. Co.		TICARILLA LAND FORMS																							
Sampler:		Client No.																							
B.W. SZYMANN		906301																							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	EPA Soils										Remarks									
JAT D-103	9-14-99	12:10	G074	SOIL	1	✓																			
JAT D-107	9-14-99	12:30	G075	SOIL	1	✓																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
B.W. Szymann		9-15-99		9:10		Robby Prod. Co.		9-15-99		9:10															
Relinquished by: (Signature)						Received by: (Signature)																			
Relinquished by: (Signature)						Received by: (Signature)																			
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615																									
Sample Receipt <table border="1" style="width: 100%;"> <tr> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td>✓</td> <td></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> </tr> </table>																	Y	N	N/A	Received Intact	✓		Cool - Ice/Blue Ice	✓	
Y	N	N/A																							
Received Intact	✓																								
Cool - Ice/Blue Ice	✓																								