# CA615

# Denny & Fourt JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECTOR NV PRONMENTAL PROTECTION OFFICE

**DULCE, NEW MEXICO 87528** 

NATURAL RESOURCE DEPT AND OIL & GAS ADMINISTRATION

SUBMIT 1 COPY TO

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	PIT REMEDIAT	ION AND CLOS	SURE REPORT
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17/1/ 60 CC			

and the state of t	
Operator: CONOCO, INC.	<b>Telephone</b> : (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington	n, NM 87401
Facility or Well Name: APACHE # 5E	
Location: Unit or Qtr/Qtr Sec 6 Sec 17 T Z6	1 R 3W County RIO ARRIBA
Pit Type: Separator Dehydrator Other_com	
•	
(Attach diagram)	her
Direction from reference: 48	Degrees $\times$ East North of South $\times$
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)
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)
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)
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)
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)
R.A	ANKING SCORE (TOTAL POINTS):

Date Remediation Sta	arted:	Date Completed:	8/27/98
Remediation Method: eck all appropriate sections)	Excavation X  Landfarmed X  Other	Approx. cubic yards	
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)			
General Description of	of Remedial Action: Excavation	1	
Groundwater Encount	tered: No 🔀 Yes	Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached I	Documents	
attach sample results and diagram of sample	Sample depth 11 (PTT Bo		30
	Sample Results	Water: Benzene	(ppb)
	Soil: Benzene (ppm)  Total BTEX (ppm)	Water. Belizelle Toluene	(ppb)
	Total BTEX (ppm)  Field Headspace (ppm)		
		ND Total Xyl	• •
Groundwater Sample	: Yes NoX (If	yes, attach sample results)	
I HEREBY CERTIFY KNOWLEGE AND BI	THAT THE INFORMATION ABOVE ELIEF	IS TRUE AND COMPLETE	E TO THE BEST OF MY
DATE	8 27 98 PRINTED NAM	MEJeffrey C. Blag	gg, P.E.# 11607
SIGNATURE TAL	ly C. Slogg AND TITLE	President	
APTED DEVIEW OF	THE PIT CLOSURE INFORMATION APACHE TRIBE PIT CLOSURE ORI	, PIT CLOSURE IS APPRO	VED IN ACCORDANCE
APPROVED: YES	NO (REASON)		
SIGNED:	C Maull DATE:	10-1-98	

CLIENT: CONOCO BLAGG ENGINEERING, INC. LOCATION NO CAGIS P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO: \_\_\_\_ (505) 632-1199CLOSURE VERIFICATION FIELD REPORT: PAGE No: / of DATE STARTED: 8/27/98 LOCATION: NAME: APACHE WELL #: 5€ PIT: COMPR. DATE FINISHED: \_ OUAD/UNITE SEC: 17 TWP: 76N RNG: 3W PM: NM CNTY: RAST: NM **ENVIRONMENTAL** OTR/FOOTAGE: 1660 FNL 150 FEL CONTRACTOR: JVC SPECIALIST: 100 125 900 EXCAVATION APPROX. 16 FT. x 24 FT. x 9 FT. DEEP. CUBIC YARDAGE: 100 DISPOSAL FACILITY: ON - SITE REMEDIATION METHOD: LANDFARM LAND USE: LEASE: CONTRACT # 98 FORMATION: DR FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 31 FT. 5486 FROM WELLHEAD DEPTH TO GROUNDWATER: >/00' NEAREST WATER SOURCE: >/000' NEAREST SURFACE WATER: >/000 CHECK ONE : NMOCD FANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM PIT ABANDONED SOIL AND EXCAVATION DESCRIPTION: \_\_ STEEL TANK INSTALLED \_ FIBERGLASS TANK INSTALLED FUIL CONSIST OF MOSTLY DK. YELL. DRANGE TO BROWN SAND NON COHESIVE, SLICHTLY MOIST, FIRM, NO APPRICATE STRINGHE OR DISCLOSUTION OSSERVED NO APPROPRIAT HE OWOR WETERTED WIN EXECUTION OR IN SLY JE THE OUM SAMPLES CHOSED FIELD 418.1 CALCULATIONS SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm SCALE (5) e 11' 5 1:1 26 5 1330 TPH-2018 FT OVM PIT PERIMETER 🗚 RESULTS FIELD HEADSPACE PID (ppm) SAMPLE للنكليل 10 0.0 HEND • 2 € 6' 0.0 3 2 6' 16 -4 2 6' (2) • 24 1 LAB SAMPLES SAMPLE ANALYSIS CALLOUT: 8/25/98-moRM. ONSITE: 8/27/98-AFTER. TRAVEL NOTES:

3003922689

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632–1199 Fax: (505)632–3903

# FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Conoco

Sample ID:

5 @ 11'

Project #:
Date Analyzed:

08 - 27 - 98

Project Location:

Apache #5E

Date Reported:

08-27-98

Laboratory Number:

TPH-2018

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	ND	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
228	244	6.78

<sup>\*</sup>Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Compressor Pit - CA615

Analyst

Periew Laga

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

\*\*\*\*\*\*\*\*

Client:

Conoco

Sample ID:

5 @ 11'

TPH-2018

Project Location:

Apache #5E

Laboratory Number:

Project #:

Date Analyzed: Date Reported:

08-27-98 08 - 27 - 98

Sample Matrix: Soil

Sample Weight:

5.00 grams Volume Freon: 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

5 mg/kg

TPH Result:

20.0 mg/kg

Reported TPH Result:

20 mg/kg

Actual Detection Limit: Reported Detection Limit: 20.0 mg/kg 20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

228

244

\_\_\_\_ 6.78

Comments:

Comments:

Compressor Pit - CA615

CA615

# 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

# PIT REMEDIATION AND CLOSURE REPORT

Operator: CONOCO, INC.	<b>Telephone:</b> (505)324-5884
Address: 3315 Bloomfield Hwy., Farming	ton, NM 87401
Facility or Well Name: APPORTE #	5€
Location: Unit or Qtr/Qtr Sec & Sec 7 T	
Pit Type: Separator Dehydrator Other	
0	
(Attach diagram)	17', width \s', depth \8'
	, other
Footage from reference:	
Direction from reference:	East North West South X
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)
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)
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)
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)
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)
	RANKING SCORE (TOTAL POINTS):

	CAGIS PROD. TANK PIT
Date Remediation Started:	Date Completed: 8 ヱ
Remediation Method: Excavation	Approx. cubic yardsSO
sections)  Landfarmed	Insitu Bioremediation
Other	
Remediation Location:  (i.e. landfarmed onsite, name and location of offsite facility)  Onsite  Offsite	
General Description of Remedial Action: Excavati	on
Groundwater Encountered: No X Yes	Depth
Final Pit: Sample location see Attached Closure Sampling: (if multiple samples,	Documents
attach gample regulta	Bottom
locations and depths)  Sample date 5/27/98	Sample time (4)5
Sample Results	
Soil: Benzene (ppm) _	
Total BTEX (ppm) _	Toluene (ppb)
Field Headspace (ppm) _	
TPH (ppm) _	NO Total Xylenes (ppb)
Groundwater Sample: Yes NoX	(If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION ABOVE KNOWLEGE AND BELIEF	VE IS TRUE AND COMPLETE TO THE BEST OF MY
	AME Jeffrey C. Blagg, P.E.# 11607
SIGNATURE Jeffy C. Slogg AND TITI	E President
AFTER REVIEW OF THE PIT CLOSURE INFORMATIO TO THE JICARILLA APACHE TRIBE PIT CLOSURE OF	N, PIT CLOSURE IS APPROVED IN ACCORDANCE RDINANCE.
APPROVED: YES NO (REASON)	
SIGNED: Kear Mand DATE:	10-1-98

CIONOCO DI LOS ENGUIDEDINO INC	
BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413	LOCATION NO: CA615
(505) 632-1199	C.Q.C. NQ:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: _/_ of(_
LOCATION: NAME: APACHE WELL #: 5E PIT: PROD.	DATE STARTED: 8/27 98
QUAD/UNITE SEC: 17 TWP: 260 RNG 3W PM:NM CNTY: RA ST: NM	ENVIRONMENTAL
QTR/FOOTAGE: 160 FNL 1570 FEL CONTRACTOR: TVC	SPECIALIST:
EXCAVATION APPROX. 17 FT. x 15 FT. x 8 FT. DEEP. CUBIC	
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD  LAND USE: KINGE LEASE: CONTRACT #98 FOR	MATION: DI
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FT. 5	
DEPTH TO GROUNDWATER: >/>> NEAREST WATER SOURCE: >/>> NEAREST SURFACE	WATER: >/000'
5000 DDH	CHECK ONE : PIT ABANDONED
SOIL AND EXCAVATION DESCRIPTION:	STEEL TANK INSTALLED
	FIBERGLASS FANK INSTALLED
NO APPREENT STAINING OBSELVED NO APPARENT HE OF	POR WIN EXCRUTION
ON IN ANY OF THE OUN SAMPLES.	
CLOSED	
FIELD 4[8.1 CALCULATIONS  SCALE  TIME SAMPLE I.D. LAB NO: WEIGHT (g) mL. FREON DIL	UTION READING CALC. ppm
1415 (\$ CIO' TPH-2019 5 20 1	:1 5 ND
O FT	
OVM	
PIT PERIMETER N RESULTS PIT	PROFILE
SEP. 10 PID (ppm) 1 PD (ppm)	17' A'
3 2 4/ 0.0	
5 € 10' 0,0 J	,—
15' WELL HERD	
LAB SAMPLES  SAMPLE ANALYSIS TIME	
	ll l
PROD. TANK	

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

# FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Conoco

Sample ID:

5 @ 10'

Project #:

08-27-98

Project Location:

Laboratory Number:

Apache # 5E TPH-2019 Date Analyzed:
Date Reported:

08-27-98

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	ND	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
228	244	6.78

<sup>\*</sup>Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Production Tank Pit - CA615

Milhon Vil Analyst

1. C. Slagg Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

\*\*\*\*\*\*\*\*

Client:

Conoco

Sample ID:

5 @ 10'

Project #:
Date Analyzed:

08-27-98

Project Location:

Apache #5E

Date Reported:

08-27-98

Laboratory Number:

TPH-2019

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

5 mg/kg

TPH Result:

20.0 mg/kg

Reported TPH Result:
Actual Detection Limit:

20 mg/kg

Actual Detection Limit: Reported Detection Limit:

20.0 mg/kg 20 mg/kg

QA/QC:

Original	
TPH mg/kg	j

Duplicate TPH mg/kg

% Diff.

228

244

6.78

Comments:

Comments:

Production Tank Pit - CA615

CA 615

# 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

# **ON-SITE SOIL REMEDIATION REPORT**

Operator: Conoco, Inc. Telephone: (505) 324-5884
Address: 3315 Bloomfield Hwy., Farmington, NM 87401
Facility or Well Name:
Location: Unit or Qtr/Qtr Sec 6 Sec 17 T262 R3W County R10 ARRISA
Land Type: RAJGE
Date Remediation Started: 87498 Date Completed: 87798  Remediation Method: Landfarmed Approx. cubic yards 50  Composted Other STOCKPILED - DERIVED FROM PROD. TRNK PIT.
pth To Groundwater:  (pts.)   Final Closure Sampling:  Sampling Date: 8/27/98 Time: 1400  Distance to Nearest Lake, Playa, or Watering Pond (pts.)   (pts.)  (pts.)   (pts.)   (pts.)
Wellhead Protection Area: (pts.)
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF
DATE  8/2/98  PRINTED NAME Jeffrey C. Blagg, P.E. #11607  SIGNATURE  President  President
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.  APPROVED: YES NO (REASON)
SIGNED: Ker Maul DATE: 10-1-98

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

# FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Conoco

Project #:

Sample ID:

SP - 1

Date Analyzed:

08-27-98

Project Location:

Apache # 5E

Date Reported:

08-27-98

Laboratory Number:

TPH-2020

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	92	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
228	244	6.78

<sup>\*</sup>Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Stockpile (5 pt. composite) - CA615

Analyst

Review

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

**Project Location:** 

Laboratory Number:

\*\*\*\*\*\*\*\*

Client:

Conoco

Sample ID:

SP - 1

Apache #5E TPH-2020

Project #:

Date Analyzed:

08-27-98

Date Reported:

08-27-98

Sample Matrix: Soil

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

23 mg/kg

TPH Result:

92.0 mg/kg

Reported TPH Result: **Actual Detection Limit:** 

92 mg/kg 20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate TPH mg/kg

% Diff.

228

244

6.78

Comments:

Comments:

Stockpile (5 pt. composite) - CA615

# 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

# **ON-SITE SOIL REMEDIATION REPORT**

Operator: Conoco, Inc.	Telephone: (505) 324-5884					
Address: 3315 Bloomfield Hwy., Farmington, NM 87401						
Facility or Well Name: APACHE # 5E						
Location: Unit or Qtr/Qtr Sec 6 Sec 17 T	County RIO ARRIBA					
Land Type: RANGE						
Date Remediation Started: 8/27/98  Remediation Method: Landfarmed  Composted Other	Approx. cubic yards 150 90					
)enth To Groundwater: (pts.) O	Final Closure Sampling					
Pepth To Groundwater: (pts.) _ O Final Closure Sampling:  Distance to an Ephemeral Stream (pts.) _ O Sampling Date: _ 4/13/99 Time: _///5						
Distance to Nearest Lake, Playa, or Watering Pond (pts.)  Wellhead Protection Area: (pts.)  Distance To SurfaceWater: (pts.)	Sample Results:  Field Headspace (ppm)					
RANKING SCORE (TOTAL POINTS):	-10-10-10-10-10-10-10-10-10-10-10-10-10-					
I HEREBY CERTIFY THAT THE INFORMATION ABOVE KNOWLEGE AND BELIEF  DATE  4/15/99  PRINTED N	E IS TRUE AND COMPLETE TO THE BEST OF MY NAME Jeffrey C. Blagg, P.E. #11607					
	AND TITLE President					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.						
APPROVED: YES NO (REASON)						
SIGNED: DATE	: _6-3-99					

CONOCO DIAGO ENGINEEDING ING
CLIENT CONOCO BLAGG ENGINEERING, INC. LOCATION NO. 49615
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199 C.D.C. NO. 6640
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
NAME: A PACKE WELL #: 5E PITS: COMPR., PROD. DATE STARTED: 4/13/99
QUAD/UNIT. 6 SEC: 17 TWP: 260 RNG: 30 PM: NM CNTY: RA ST: NM ENVIRONMENTAL
STRIFTAGE: 504 NELY CONTRACTOR: 100 SPECIALIST: NV
SSIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARTH APPROX. CUBIC YARDAGE: 150
LAND USE: Range LIFT DEPTH (ft): 1-1.5
FELD NOTES & REMARKS:
IEFTH TO GROUNDWATER   >100' NEAREST WATER SOURCE:   >1000' NEAREST SURFACE WATER   >1000'
NMILL FANKING SCORE:O NMOCD TPH CLOSURE STD: _5000 PPM 8/27 148
FIRM MED. GRAY TO BLACK OFFICEMATION (W/ HE ODOR) DESERVED & ALL SAMPLING
FIRM MED GRAY TO BLACK OFFICIANTION (W/ HE ODOK) DESERVED & ALL SAMPLING
PTS., SAMPLING DEPTIK RANGE FROM 12-18 INCHES STAINING OBSERVED IN SMILL ISOLATED PATCHES ON LANDFARM SURFACE, COLLECTED 5 PT. COMPOSITE
SAMPLE FOR LAB ANALYSIS.
CLOSED FROM COMPR.
FIELD 418.1 CALCULATIONS
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
SKETCH/SAMPLE LOCATIONS (A)
- CANA
ANDFAIREZ PERIMETEZ (BERMED)
/ OVM RESULTS LAB SAMPLES
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  ID FID (PPM) ID ID ANALYSIS TIME RESULTS
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  LF-1 10.3 LF-1 (8015) 1115 1,400
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE PID (ppm)  (F-1 10.3 (F-1 (8015) 1115 1,400)
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  LF-1 10.3 Lx-1 (8015) 1115 1,400  WELL HEAD  (3)
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  LF-1 10.3 LF-1 (8015) 1115 1,400  WELL HEAD
OVM RESULTS LAB SAMPLES  SAMPLE PID (Ppm)  (FELD HEADSPACE PID (Ppm)  (FELD
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  (D) 10.3 (LZ-1 (8015) 1115 1,400  WELL HEAD  SCALE  SCALE
OVM RESULTS LAB SAMPLES  SAMPLE PID (Ppm)  (FELD HEADSPACE PID (Ppm)  (FELD



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	04-15-99
Laboratory Number:	F019	Date Sampled:	04-13-99
Chain of Custody No:	6640	Date Received:	04-13-99
Sample Matrix:	Soil	Date Extracted:	04-14-99
Preservative:	Cool	Date Analyzed:	04-15-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	23.2	0.2
Diesel Range (C10 - C28)	1,380	0.1
Total Petroleum Hydrocarbons	1,400	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:

Apache #5E Landfarm. 5 Pt. Composite.

Analyst Analyst

Stacy W Lendler

# CHAIN OF CUSTODY RECORD

6640

Client / Project Name  Surge / Conoco	Conoco		Project Location  APACHE	# SE		ANALYSIS / PARAMETERS	ARAMETERS	
Sampler:			Client No.		$\neg$		Remarks	8
4 (4)			OT OT	403410	W.			
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No Conta			
LF-1	4/13/99	1115	F019	5012	1 4		S PT. COMP	COMPOSITE
							Meseru	. cool
Relinquished by: (Signature)				Date Time	Received by: (Signature)	7	Date 4.70	Time
Relinquished by: (Signature)	ıre) 🗲				Received by: (Signature)	L L		
Relinquished by: (Signature)	ıre)				Received by: (Signature)			
				ENVIROTECH I	ECH INC		Sample Receipt	-
							~	Z
				5796 U.S. Farmington, Ne	5796 U.S. Highway 64 Farmington, New Mexico 87401		Received Intact	
				(505) 6	(505) 632-0615		Cool - ice/Blue ice	
				8				



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

# **Quality Assurance Report**

Client:	QA/QC		Project #:		N/A
Sample ID:	04-15-TPH QA	VQC	Date Reported:		04-15-99
Laboratory Number:	F017		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		04-15-99
Condition:	N/A		Analysis Reques	sted:	TPH
					Accept: Range
Gasoline Range C5 - C10	03-15-99	7.6679E-002	7.6541E-002	0.18%	0 - 15%
Diesel Range C10 - C28	03-15-99	7.2197E-002	7.2081E-002	0.16%	0 - 15%
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons		ND ND ND		0.2 0.1 0.2	<b>翻</b>
Pupilean Soneamana a	San San de San		k%Difference \v	Auseni Kancı	
Gasoline Range C5 - C10	0.7	0.7	0.0%	0 - 30%	
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
Spike Concernation (G)	Sassanios (		sanketeráje:	Wilkereyek	Accept Range
Gasoline Range C5 - C10	0.7	250	250	100%	75 - 125%
Diesel Range C10 - C28	ND	250			· · ·

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:

QA/QC for samples F017 - F022.

Analyst

Reviev

Stacy W Sendler