CA719

Jennifer L. Faught
DEPUTY OIL & GAS INSPECTOR

AUG 24 1999

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. **Telephone:** (505)324-5884

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: NE HAYNES No. 1

Location: Unit or Qtr/Qtr Sec L Sec 9 T 24N R 5W County RIO ARRIBA

Pit Type: Separator ____ Dehydrator X Other ____

Land Type: RANGE

Pit Location: (Attach diagram)

Pit dimensions: length 21, width 24, depth 17

Reference: wellhead X, other ____

Footage from reference: 260

Direction from reference: 68 Degrees ____ East ____ North X of X West ____ South

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	20
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	0
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (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 No	(20 points) (0 points)	0
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0

RANKING SCORE (TOTAL POINTS): 20

CA719 - DEHY. PIT

Date Remediation Started: 11-18-98 **Date Completed:** 12-1-98

Remediation Method: (check all appropriate sections) Excavation X Approx. cubic yards 317 yd³

Landfarmed X Insitu Bioremediation _____

Other _____

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

General Description of Remedial Action: Excavation

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 see Attached Documents

Sample depth 17' (PIT Bottom) yd³

Sample date 12-1-98 Sample time 1100

Sample Results

Soil: Benzene	(ppm)	ND	Water: Benzene	(ppb)	—
Total BTEX	(ppm)	0.012	Toluene	(ppb)	—
Field Headspace	(ppm)	—	Ethylbenzene	(ppb)	—
TPH	(ppm)	4.5	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 KNOWLEGE AND BELIEF

DATE 12-17-98 **PRINTED NAME** Jeffrey C. Blagg, P.E. # 11607

SIGNATURE Jeffrey C. Blagg **AND TITLE** President

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: Kurt C Mangle **DATE:** 12-28-98

CLIENT: CONOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: CA 719
C.O.C. NO: 6400

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: NE HAYNES WELL #: 1 PIT: DEHY
QUAD/UNIT: L SEC: 9 TWP: 24N RNG: 5W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: CONTRACTOR: JVC

DATE STARTED: 11/18/98
DATE FINISHED: 12/1/98
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX: 21 FT. x 24 FT x 17' FT. DEEP CUBIC YARDAGE: 317
DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: LANDFARM
LAND USE: [illegible] LEASE: FORMATION: DAKOTA

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 260 FT. N68°W FROM WELLHEAD
DEPTH TO GROUNDWATER: <50 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE
X PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

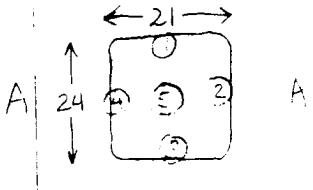
Clayey Sand, Red Tan, Dry, Non Cohesive, Slight Odor 0'-8'
Dry Sand, Red Tan, Slight Odor 8'-13'
No HC Staining Observed

SCALE
0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

PIT PERIMETER



OVM RESULTS

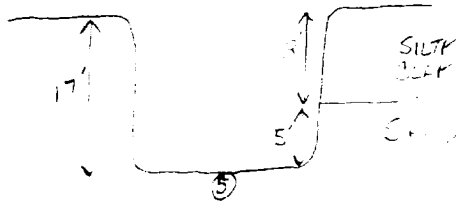
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 N @ 12'	114
2 E @ 12'	25
3 S @ 12'	1.7
4 W @ 12'	126
5 C @ 15'	22

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
W @ 12'	8021/8015	1115
C @ 17'	8021/8015	1100

12/1/98 JCB

PIT PROFILE



TRAVEL NOTES: CALLOUT: ONSITE:

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	W @ 12'	Date Reported:	11-20-98
Laboratory Number:	E197	Date Sampled:	11-19-98
Chain of Custody No:	6400	Date Received:	11-19-98
Sample Matrix:	Soil	Date Extracted:	11-20-98
Preservative:	Cool	Date Analyzed:	11-20-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**60.4**	**0.2**
Diesel Range (C10 - C28)	**1,030**	**0.1**
Total Petroleum Hydrocarbons	**1,090**	**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: **NE Haynes 1.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	C @ 17'	Date Reported:	12-02-98
Laboratory Number:	E243	Date Sampled:	12-01-98
Chain of Custody No:	6322	Date Received:	12-02-98
Sample Matrix:	Soil	Date Extracted:	12-02-98
Preservative:	Cool	Date Analyzed:	12-02-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**4.5**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**4.5**	**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: **N. E. Haynes #1 Dehy Pit.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	W @ 12'	Date Reported:	11-20-98
Laboratory Number:	E197	Date Sampled:	11-19-98
Chain of Custody:	6400	Date Received:	11-19-98
Sample Matrix:	Soil	Date Analyzed:	11-20-98
Preservative:	Cool	Date Extracted:	11-20-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**8.8**
Toluene	**ND**	**8.4**
Ethylbenzene	**35.2**	**7.6**
p,m-Xylene	**235**	**10.8**
o-Xylene	**168**	**5.2**
Total BTEX	**438**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**99 %**
	Bromofluorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **NE Haynes 1.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / CONOCO	Project #:	04034-10
Sample ID:	C @ 17'	Date Reported:	12-02-98
Laboratory Number:	E243	Date Sampled:	12-01-98
Chain of Custody:	6322	Date Received:	12-02-98
Sample Matrix:	Soil	Date Analyzed:	12-02-98
Preservative:	Cool	Date Extracted:	12-02-98
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	12.8	10.8
o-Xylene	ND	5.2
Total BTEX	12.8	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **N.E. Haynes #1 Dehy Pit.**

Analyst

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CHAIN OF CUSTODY RECORD

6400

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG / CONOCO	NE HAKNES 1	
Sampler: J. C. Blagg	Client No. 04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015	8021					Remarks
W@ 12'	11-19-98	1115	E197	Soil	1	X	X					

	Date	Time		Date	Time
Relinquished by: (Signature) J. C. Blagg	11-19-98	1350	Received by: (Signature) Dawn L. Ogburn	11.19.98	1317
Relinquished by: (Signature) J. C. Blagg			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

CHAIN OF CUSTODY RECORD

6322

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG / CONOCO	NE. HAWKES #1 DEHY PIT	
Sampler: ED POTTER	Client No. 04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8021 BTEX	8015 TPH					Remarks
C @ 17'	12/1/98	1100	E243	SOIL	1	✓	✓					

	Date	Time		Date	Time
Relinquished by: (Signature) Kay Potter	12-2-98	0755	Received by: (Signature) Dennis L. Quinn	12/2/98	0755
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	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

CA719

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

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

ON-SITE SOIL REMEDIATION REPORT

Operator: Conoco, Inc. **Telephone:** (505) 324-5884

Address: 3315 Bloomfield Hwy., Farmington, NM 87401

Facility or Well Name: NE HAYNES #1

Location: Unit or Qtr/Qtr Sec L Sec 9 T 24N R 5W County RIO ARRIBA

Land Type: RANGE

Date Remediation Started: 11/18/98 **Date Completed:** 5/19/99

Remediation Method: Landfarmed ✓ Approx. cubic yards 317

Composted ____

Other ____

Depth To Groundwater:	(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 SurfaceWater:	(pts.)	0
RANKING SCORE (TOTAL POINTS):		20

Final Closure Sampling:

Sampling Date: 5/14/99 Time: 0900

Sample Results:

Field Headspace (ppm) 0.0

TPH (ppm) 9.4 Method 8015

Other ____

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

DATE 5/19/99 PRINTED NAME Jeffrey C. Blagg, P.E. #11607

SIGNATURE Jeffrey C. Blagg 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 X NO ____ (REASON) ____

SIGNED: [signature] DATE: 6-3-99

CLIENT: CONOCO

BLAGG ENGINEERING, INC.

P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: CA719
C.O.C. NO: 6665

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LEASE: NAME: NE HAYNES WELL #: 1 PITS: Dehy.
QUAD/UNIT: L SEC: 9 TWP: 24N RNG: 5W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: NW/4 SW/4 CONTRACTOR: JVC

DATE STARTED: 5/14/99
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM
APPROX. CUBIC YARDAGE: 317
LAND USE: RANGE
LIFT DEPTH (ft): 1-1.5

SITE DETAILS & REMARKS

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM 11/18/98

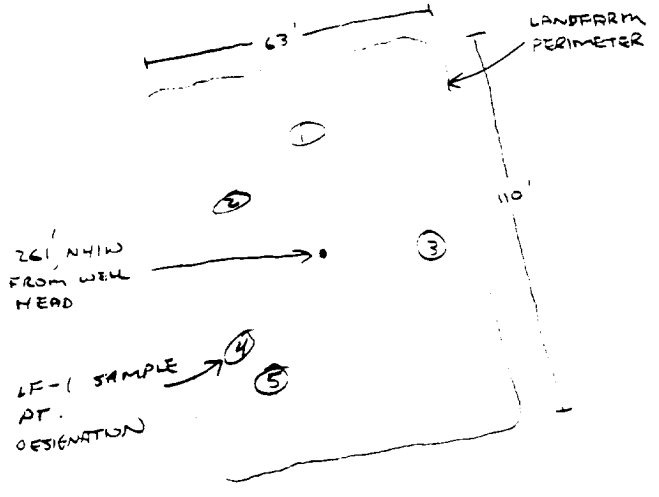
O.K. YELL. ORANGE TO BROWN SAND WITH MINOR AMOUNT OF CLAY, NON COHESIVE, SLIGHTLY MOIST, FIRM, SAMPLING DEPTHS RANGE FROM 6 TO 15 INCHES, NO APPARENT STAINING OR DISCOLORATION OBSERVED, NO APPARENT HC ODOR IN OVM SAMPLE, COLLECTED 5 PT. COMPOSITE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TYPE	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	0900	9.4

SCALE
0 FT

TRAVEL NOTES: CALLOUT: NA ONSITE: 5/14/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / CONOCO	Project #:	403410
Sample ID:	LF - 1	Date Reported:	05-19-99
Laboratory Number:	F265	Date Sampled:	05-14-99
Chain of Custody No:	6665	Date Received:	05-18-99
Sample Matrix:	Soil	Date Extracted:	05-18-99
Preservative:	Cool	Date Analyzed:	05-19-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**3.2**	**0.2**
Diesel Range (C10 - C28)	**6.2**	**0.1**
Total Petroleum Hydrocarbons	**9.4**	**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: **NE Haynes #1 Landfarm. 5 Pt. Composite.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

6665

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG / CONOCO	LANDFARM NE HAYNES #1	
Sampler: NJV	Client No. 403410	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)						Remarks
												PRESERV. - COOL
LF-1	5/14/99	0900	F265	SOIL	1	✓						5 PT. COMPOSITE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	5/18/99	0705	Allen P. Brown	5.18.99	0705
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	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		