District I

State of New Mexico

SUBMIT 1 COPY TO

2.0. Box 1980, Hobbs, NM

Energy, Minerals and Natural Resources Department

APPROPRIATE DISTRICT OFFICE

District TV DIL & GAS INSPECTOR OIL CONSERVATION DIVISION

AND 1 COPY TO SANTA FE OFFICE

1000 Rio Brazos Rd, Aztec, NM \$7410

DEC Ø/3 1996

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

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2
0_

		Date : Completed: ////94
		Date Completed: ////94
Remediation Method: (Check all appropriate		Approx. cubic yards 140
sections)	Landfarmed X	Insitu Bioremediation
	Other	
Remediation Location	n: Onsite \times Off	site
(ie. landfarmed onsite, name and location of		-
offsite facility)	od namadial lation	•
		1:
Excavation	on	
Ground Water Encoun	tered: No 🔀	Yes Depth
Final Pit:	Sample location	see Attached Documents
Closure Sampling: (if multiple samples,		CTIPLE SAMPLES
attach sample results and diagram of sample	Sample depth	14' + 18'
locations and depths)	Sample date 6	·
	Sample Results	
	_	0.587 @141, 0.091 @181
		om) 179 @ 14', 103 @ 18'
		ace(ppm) 1165 @ 14', 1639 @ 18'
	TPH <u>4100 @14</u> (ppm)	1 2300 @ l8'
Ground Water Sample	: Yes No \	$ \leq$ (If yes, attach sample results)
I HEREBY CERTIFY TH.		ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 1/1/94		
	PRINTED	NAME Buddy D. Shaw LE Environmental Coordinator
SIGNATURE SASI	AND TIT	LE Environmental Coordinator

	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 LOCATION NO: 8013C C.D.C. NO: 2247
	FIELD REPORT: CLOSURE VERIFICATION PAGE No: of
	OCATION: NAME: FEASEL, FRED WELL #: JE PIT: BLOW DATE STATED: M/26/94 QUAD/UNIT: O SEC: 34 TWP: 28 N RNG: 10 W PM: NM CNTY: SJ ST: NM QTR/FOOTAGE: 5W 4 SE 4 CONTRACTOR: EPC ENVIRONMENTAL SPECIALIST: NV
	XCAVATION APPROX. 16 FT. x 14 FT. x 17 FT. DEEP. CUBIC YARDAGE: 140 ISPOSAL FACILITY: 0N-517E REMEDIATION METHOD: LANDFARM AND USE: LANGE LEASE: 5F-046563 FORMATION: 0K
f	ELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 300 FT. N57E FROM WELLHEAD. DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: 7/000' DIMOCD RANKING SCORE: O NMOCD TPH CLOSURE STD: 5000 PPM CHECK ONE: PIT ABANDONED V STEEL TANK INSTALLED MOO. TO OK. VELL. BROWN SAND NON - COHESIVE SLIGHTLY MOIST FIRM, STRONG HC ODOR ONLY IN EAST, SOUTH, + BOTTON, DUM SAMPLES.
	CONDITIONAL CLOSURE TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm SCALE SCALE TOPS SPEIN TPH-1228 S ZO (0:1 S8 2320
	O FT PIT PERIMETER N OVM RESULTS PIT PROFILE
TO FRED U.S. HCA.	LAB SAMPLES SAMPLE ANALYSIS TIME SERVE ANALYSIS T
	TRAVEL NOTES: CALLOUT: 10/26/94 ONSITE: 10/26/94

BLAGG ENGINEERING, INC.

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:

Amoco

Sample ID:

3 @ 14'

Project Location:

Feasel, Fred J 1 E

Laboratory Number:

TPH-1229

Project #:

Date Analyzed:

10-26-94

Date Reported:

10-26-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	4,100	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
3400	2920	15.19

^{*}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:

Blow Pit - B0136

Milson Villy Analyst

Review



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Nelson Velez Attn:

Date:

10/27/94

Company: Blagg Engineering

Lab ID:

2242

Address: P.O. Box 87 Sample ID:

3752

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Feasel, Fred J1E

Project Location:

3 @ 14' - Blow Pit NV

Date: Date:

10/26/94 10/27/94 Time:

10:55

Sampled by: Analyzed by: Sample Matrix:

DLA

Soil

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg	
Benzene	587	0.2	
Toluene	39,306	0.2	
Ethylbenzene	11,532	0.2	
m,p-Xylene	105,629	0.2	
o-Xylene	21,791	0.2	
	TOTAL 178,844 ug/kg		

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:

Date:

P. O. BOX 2606 • FARMINGTON, NM 87499

- Technology Bending Industry with the Linese systems

BLAGG ENGINEERING, INC.

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:

Amoco

Project #:

Sample ID:

5 @ 18'

Date Analyzed:

10-26-94

Project Location:

Feasel, Fred J 1 E

Date Reported:

10-26-94

Laboratory Number:

TPH-1228

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,300	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample
TPH mg/kg

Duplicate
TPH mg/kg
-----2920

% *Diff. ----

15.19

*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:

Blow Pit - B0136

Mehon Vily Analyst Review



OFF: (505) 325-8786

LAB: (505) 325-5667

10/27/94

2242

AROMATIC VOLATILE ORGANICS

Nelson Velez Attn:

Date: Lab ID: Company: Blagg Engineering

3751 Sample ID: Address: P.O. Box 87 Job No. 2-1000

City, State: Bloomfield, NM 87413

Project Name: Feasel, Fred J1E

5 @ 18' - Blow Pit **Project Location:**

Time: 10:45 NV 10/26/94 Date: Sampled by:

DLA Date: 10/27/94 Analyzed by:

Soil Sample Matrix:

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/k	
Benzene	91	0.2	
Toluene	9,619	0.2	
Ethylbenzene	2,586	0.2	
m,p-Xylene	67,512	0.2	
o-Xylene	23,272	0.2	
	TOTAL 103,080 ug/kg		

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by:) ~ / / Approved by: Date: 10/27/94

RO136

P.O. Box 1940, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztoc, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Telephone: (505) · 326-9200				
, New Mexico 87401				
1034 TZ8N RIOW County SAN JUAN				
ther				
, Other				
Pit Location: Pit dimensions: length 16, width 13, depth 5 Reference: wellhead X, other Footage from reference: 120 Direction from reference: 65 Degrees East North of X West South X				
Depth To Ground Water: (Vertical distance from 50 feet (20 points) contaminants to seasonal Greater than 100 feet (0 Points) high water elevation of ground water)				
Yes (20 points) No (0 points)				
Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)				

Date Remediation St	arted:	Date * Completed:	10 - 26 - 94
Remediation Method:		Approx. cubic yards	
(Check all appropriate sections)	Landfarmed	Insitu Bioremediation _	
	Other Composition	30	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite X Offs	ite	-
General Description	Of Remedial Action:		
Excavation	on		
Ground Water Encoun	tered: No <u>X</u>	Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents	
attach sample results and diagram of sample	Sample depth	s '	
locations and depths)	Sample date 10-26		
	Sample Results		
	Benzene(ppm) _		
	Total BTEX(ppm)	
	Field headspac	e(ppm) 1130	
	TPH 66,400 IN	SAMSTONE GOTTOM	
Ground Water Sample	: Yes No	(If yes, attach sample	results)
I HEREBY CERTIFY THOOF MY KNOWLEDGE AND		BOVE IS TRUE AND COMPLET	E TO THE BEST
DATE 10/26/89 SIGNATURE BASI	PRINTED N AND TITLE	AME Buddy D. SI	naw instar

CLIENT: AMOCO	P.O. BOX 87,	ENGINEERING, BLOOMFIELD, 1 05) 632-1199		C.O.C. NO	1: <u>80136</u>
FIELD REPOF	RT: CLOSU	RE VERIFIC	CATION	PAGE No:	/_ of _/_
LOCATION: NAME: FEASE QUAD/UNIT: O SEC: OTR/FUUTAGE: 5W/4	34 TWP: 284 RNG	10W PM: NM CN	TY: SJ ST:NM	DATE STARTED: _L DATE FINISHED: _ ENVIRONMENTAL SPECIALIST:	
EXCAVATION APPROX	ON -S, TE LEAS	REMEDIAT E: SF -046	ION METHO	D: <u>ComPost</u> RMATION: (;0)K
FIELD NOTES & REMAR	RKS: PIT L□CATEI	O APPROXIMATELY _	NEAREST SURFAC	E WATER: 210	WELLHEAD.
NMOCD RANKING SCORE:	NMOCD TPH CLOSU			CHECK ON PIT ABANDON STEEL TANK	E D
ZLIGHTLY	SONTH SIDEWALL MOIST, FIRM, NO SAMPLE DK. GRAY	CONSIST OF CONTINUEST S CONSIST OF MEST OF MEST OF MEST HE CONTINUEST HE CONTINUEST HE CONTINUEST OF THE CONTINUEST OF T	ndo. Yell. Bi DOR. SOLORATIONS	ROWN SAND, N	OD OR -
(ZLOSEU)		LAB No: WEIGHT (g			
SCALE O F		OVM		DD 0 FW F	
PIT PERIM	ETER N	RESULTS		PROFILE	
T	B⊠ 3€ 3	PID (ppm)	A	16	,
13) S	SEP SEP		BEDRO	emin 1	
16'	SAMPLI	LAB SAMPLES ANALYSIS TIME			1 1
TRAVEL NOTES: CALLOUT	126/94	ONSITE: _/©	126/94		

BLAGG ENGINEERING, INC.

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:

Amoco

Sample ID: 5 @ 5'

Project Location:

Feasel, Fred J 1 E

Laboratory Number:

TPH-1227

Project #:

Date Analyzed:

10-26-94 Date Reported: 10-26-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	66,400	2,000

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
3400	2920	15.19

^{*}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:

Separator Pit - B0136

Review