00000

O. Box 1980, Hobbs, NM

ISTRICT II
O. Drawer DD, Artesia, NM 88211

ISTRICT III

100 Rio Brazos Rd, Axtoc, NM 87410

State of New Hexico Energy, Hinerals 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

	Amoco Production Company	Telephone: (505) · 326-9200	
Operator:	AIIIUCU TTUUIGETTU. Tampi aakan	li di	
Address:		, nor marca	
Pacility Or:	HAMMER ZA	-2 -29d = 41) county SAN THAN	
Location: Unit	or Qtr/Qtr SecS	ec 28 T29N R 9W County SAN JUAN	
Pit Type: Sep	arator Dehydrator \times (other	
Land Type: B	LM_X, State, Fee	_, Other	
Pit Correction: Pit dimensions: length 16', width 34', depth 14'			
	9 1936 tage from reference Direction from referen	:92 ce: Degrees East North \ of West South	
Depth To Grown (Vertical distance contaminants to high water elever ground water)	und Water: ance from o seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)	
(Less than 200	tection Area: feet from a private source, or; less than all other water sources)	Yes (20 points) \bigcirc No (0 points)	
(Horizontal di	Surface Water: stance to perennial rivers, streams, creeks, als and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	
		RANKING SCORE (TOTAL POINTS): 16	
11			

		Date Completed: 8/19/94
Date Remediation St		
Remediation Method:	Excavation 🗴	Approx. cubic yards
(Check all appropriate sections)	Landfarmed 🔀	Insitu Bioremediation
	Other	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site
General Description	Of Remedial Action	
Excavation	on	
Ground Water Encour	ntered: No X	Yes Depth
		see Attached Documents
Final Pit: Closure Sampling:	Sample location _	
(if multiple samples, attach sample results		٦/
and diagram of sample locations and depths)	Sample depth $\frac{1}{2}$	9/94 Sample time <u>0955</u>
		7/11
	Sample Results	
	Benzene (ppm)	
, , , , , , , , , , , , , , , , , , ,	Total BTEX(p	
		ace(ppm) <u>894</u>
	TPH 11,080	ppm
Ground Water Sampl	e: Yes No _	(If yes, attach sample results)
OF MY KNOWLEDGE AN	HAT THE INFORMATION D BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8/19/94		NAME Buddy D. Shaw The Environmental Consdinator
SIGNATURE (SA)	haw AND TIT	TLE ENVIRONMENTAL CORRELINATOR

FIELD REPORT: CLOSURE VERIFICATION PAGE NO: of _/ LOCATION: NAME: HAMME? WELL #: 2A PIT DEHY I QUAD/UNIT C SEC. 28 TWP 29-2 RNG. TW PM: NW CNTY: 5T ST. NN QTR/EDDIAGE: \$25' FOU. 1660' FWL CONTRACTOR: MOSS SOIL REMEDIATION: EXCAVATION APPROX 16	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80058</u> C.O.C. NO:				
DATE FINANCE S. 19-94 QUAD/UNIT C SEC 28 TWP 29N RNG TW PM NM CNTY 51 ST AM OTR/FOOTAGE 725 FRU 1660 FWL CONTRACTOR MOSS SOIL REMEDIATION: EXCAVATION APPROX. 16 FT x 34 FT x 14 FT DEEP. DISPOSAL FACILITY: LANDFACLED 9N-3TTE CUBIC YARDAGE: 280 LAND USE: RANGE LEASE: 82 - 080 245 FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 92 FEET N27W FROM WELLHEAD. DEFIT TO GROUNDVATER CLOS' NEAREST VATER SOURCE 7000' NEAREST SURFACE VATER: >1000' NEAREST SURFA	FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of				
DISPOSAL FACILITY: LAJOFRACKED ON-SITE CUBIC YARDAGE: 280 LAND USE: RANGE LEASE: B2-080245 FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 92 FEET N27W FROM WELLHEAD. DEPTH TO GROUNDWATER (100) NEAREST VATER SOURCE 7/000, NEAREST SURFACE VATER: 2/000, NEAREST SURFACE VATE	QUAD/UNIT: C SEC: ZB TWP: Z9 N RNG: 9W PM: NM CNTY: ST ST: NM	DATE FINISHED: 8-19-94				
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 92 FEET N27W FROM WELLHEAD DEPTH TO GROUNDWATER 100 NEAREST WATER SOURCE 7000 NEAREST SURFACE WATER 1000 NEAREST SURFACE NEAREST SURFACE WATER 1000 NEAREST SURFACE WATER 1000 NEAREST SURFACE NEAREST SU	DISPOSAL FACILITY: LANDFACKED ON- SITE CUBIC YAR	DISPOSAL FACILITY: LANDFARMED ON- TITE CUBIC YARDAGE: 280				
NHOCD RANKING SCORE: 10 NHOCD THE CLOSURE STD 1000 PPM FORMATION MV OK SOIL AND EXCAVATION DESCRIPTION: EXCAVATION MOSTLY IN HARD SHALE & CAY. FIELD 4181 CALCULATIONS SAMPLE 1.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CALC. PPM SCALE O FT PIT PERIMETER N RESULTS PIT PROFILE SAMPLE 10: 0.06 20 9' 22.0 30 13' 11.8 40 14' Y MELS LAB SAMPLES LAB SA						
SOIL AND EXCAVATION DESCRIPTION: FIELD 4181 CALCULATIONS SAMPLE 1.D. LAB No: WEIGHT (9) ml. FREON DILUTION READING CALC. ppm OPT PIT PERIMETER N RESULTS PIT PROFILE SAMPLE 1.D. LAB No: WEIGHT (9) ml. FREON DILUTION READING CALC. ppm OVM PIT PERIMETER N RESULTS PIT PROFILE 16' SAMPLE 10: 10: 10: 10: 10: 10: 10: 10: 10: 10:	FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 42 FEET 5	CE WATER: >1000				
SOIL AND EXCAVATION DESCRIPTION: EXCRUATION MOSTLY IN HARD SHAPE & CLAY. FIELD 4181 CALCULATIONS SAMPLE I.D. LAB NO. WEIGHT (9) ml. FREON DILUTION READING CALC ppm OPST TPH-1084 S ZO 10:1 Z77 11,080 SCALE OPT PERIMETER N RESULTS PIT PROFILE 16 SAMPLE 10: LAB NO. WEIGHT (9) ml. FREON DILUTION READING CALC ppm OPM PIT PERIMETER N RESULTS 16 SAMPLE 10: LAB NO. WEIGHT (9) ml. FREON DILUTION READING CALC ppm OPM PIT PERIMETER N RESULTS 16 16 16 16 17 18 19 19 10 10 10 11 11 11 12 11 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18		,				
FIELD 418.1 CALCULATIONS SAMPLE 1.0. LAB NO: WEIGHT (9) m.L. FREON DILUTION READING CALC. ppm (4) @ 13' rph-1084 \$ 20 10:1 277 11,080 SCALE OVM PIT PERIMETER N RESULTS PIT PROFILE SAMPLE 110' 0.05' 20 3' 22.00 34 21' 11.8 4 2 13' 8 94 5 0 16' 727 14' TO WEIGHT (9) m.L. FREON DILUTION READING CALC. ppm OVM PIT PROFILE A '' LAB SAMPLES SAMP						
PIT PERIMETER N RESULTS PIT PROFILE SAMPLE FIELD HEADSPACE PID (SPIN) 18 11 0.8 28 81 22.0 38 131 11.8 40 131 894 50 161 727 LAB SAMPLES HARD SAMPSTIME	SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CAI					
SAMPLE FIELD HEADSPACE PID (ppm) 1	O FT OVM					
16 10 10 10 10 10 10 10 10 10						
	16 10 10 10 10 10 10 10 10 10	14'				

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:

4 @ 13'

Project Location:

Hamner 2 A

Laboratory Number:

TPH-1084

Project #:

Date Analyzed:

Date Reported:

8-19-94

8-19-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	11,100	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}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:

Dehydrator (I) Pit - B0058

Review

p~~30

O. Box 1980, Hobbs, NM
ISTRICT II
O. Drawer DD, Artesia, NM 88211
ISTRICT III
OO Rio Brazos Rd, Azlee, 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

Operator: Amoco Pr	oduction Company	Telephone:	(505) - 326-9200
Address: 200 Amoc	o Court, Farmington	, New Mexico 87401	
Facility Or: His Well Name	AMNER ZH	ac 28 T29N R9W County_	tant car
nit muma: Senarator	Dehydrator /	other	
Land Type: BLM \times , St	ate, Fee	, Other	
(Attach diagram) Referen	nce: wellhead $ imes$	ce: 6Z Degrees Ea	
Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water)	:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(10 DOINCS)
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 Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 200 feet 200 feet to 1000 feet Greater than 1000 fee	t (0 points)
		RANKING SCORE (TOTAL	POINTS): _/O
		<u> </u>	

			1 1
Date Remediation St	arted:	Date Completed:	8/24/94
Remediation Method:		Approx. cubic yards	
(Check all appropriate	Landfarmed ×	Insitu Bioremediation	
sections)			
	Ochor		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site	•
General Description	of Remedial Action	:	
Excavati	on		
	ntered: No 🔀	Yes Depth	
Ground Water Encou			
Final Pit: Closure Sampling: (if multiple samples,	Sample location _	see Attached Documents	
attach sample results and diagram of sample	Sample depth		
locations and depths)	Sample date 8/19	Sample time	1033
	Sample Results		
	Benzene (ppm)	1.318	
	Total BTEX(p	pm) <u>26.776</u>	
	Field headsp	pace(ppm) 584	
	TPH 357 P		
ı			a results)
Ground Water Samp		X (If yes, attach samp)	
OF MY KNOWLEDGE A	THAT THE INFORMATION ND BELIEF	N ABOVE IS TRUE AND COMPI	LETE TO THE BEST
DATE 8/24/94	PRINTEI AND TI	D NAME BUDDING	Shaw Coordinator
SIGNATURE (2X)	MAW AND II		

	ac michipepping ind	29
	GG ENGINEERING, INC. 87, BLOOMFIELD, NM 8741 (505) 632-1199	.3 C.D.C. NB: 1833
FIELD REPORT: CLO	OSURE VERIFICATION	N PAGE No: of
LOCATION: NAME: HAMNER QUAD/UNIT: C SEC: Z8 TWP: 291 QTR/FOOTAGE: 825 FNL 1660 FNL	O RNG: 9W PM: NM CNTY: ST ST: M	DATE STARTED: 8-19-94 DATE FINISHED: 8-19-94 ENVIRONMENTAL NV SPECIALIST: NV
	PROX. 13 FT. x 12 FT. NOFARMED ON -SITE CUBIC Y	ARDAGE:
FIELD NOTES & REMARKS: PIT LOCA	ATED APPROXIMATELY <u>100</u> FEET VATER SOURCE <u>>1000'</u> NEAREST SUR	S62W FROM WELLHEAD. FACE WATER: フルロロ
NMOCD RANKING SCORE: NMOCD TPH		
SOIL AND EXCAVATION DESCRIPTION:	EXCAUATION MOSTLY IN HARD SHA	PLE + CLAY
SAMPLE I.D. LAB NO: 1055 DEH TPH-1085	FIELD 418.1 CALCULATIONS WEIGHT (g) ML. FREON DILUTION READING S ZD 1:1 88	CALC. ppm
SCALE		
O FT PIT PERIMETER	OVM RESULTS PI	T PROFILE
NEHY TO DELLA MEAN 121 A 4 A A	SAMPLE FIELD HEADSPACE PLD (ppm) 1	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TRAVEL NOTES: CALLOUT: 8-/7-	94 ONSITE: 8-19-9	.4

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:

4 @ 4'

Date Analyzed:

8-19-94

Project Location:

Hamner 2 A

Date Reported:

8-19-94

Laboratory Number:

TPH-1085

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	350	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}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:

Dehydrator (II) Pit - B0058

Analyst

Review



AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Date:

8/20/94

Company: Blagg Engineering

Lab ID:

1832

Address:

P.O. Box 87

Sample ID:

2577

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Hamner 2A

Project Location: Sampled by:

4 @ 4' - Dehy Pit II

NV

Date: Date: 8/19/94 8/20/94 Time:

10:55

Analyzed by: Sample Matrix: DLA Soil

Aromatic Volatile Organics

	**Measured Concentration ug/kg		
Component			
Benzene	1,318		
Toluene	10,938		
Ethylbenzene	1,016		
m,p-Xylene	11,175		
o-Xylene	2,330		
	TOTAL 26,776 ug/kg		

ND - Not Detectable

** - Method Detection Limit, 0.5 ug/kg

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

Approved by:

State of New Hexico Energy, Hinerals 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

Operator:	Amoco Production Company	Telephone: (505) · 326-9200
Address:	200 Amoco Court, Farmington,	New Mexico 87401
Pacility Or:	HAMNER 2A	
Location: Unit	or Qtr/Qtr Sec Sec	28 TZ9NR 9W County SAN JUAN
Pit Type: Sepan	rator $\underline{ imes}$ Dehydrator $\underline{ imes}$ Ot	ther
Land Type: BL	$M \times$, State, Fee,	other
Pit Location: (Attach diagram)	Reference: wellhead X	nother 15', width 15', depth 6' 106' e: 59 Degrees × East North of West South ×
Depth To Groun (Vertical distance contaminants to a high water elevate ground water)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) /0
domestic water so	ection Area: set from a private ource, or; less than ll other water sources)	Yes (20 points) ONO (0 points)
Distance To Su (Horizontal distal lakes, ponds, riv irrigation canal	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
		RANKING SCORE (TOTAL POINTS): 10
1	•	

note namediation St	arted:	Date Completed:	8/24/94
Remediation Method:	Excavation X	Approx. cubic yards	25
Remediation nethod. (Check all appropriate sections)	Landfarmed X	Insitu Bioremediation _	
:	Other		
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)		fsite	
General Description	of Remedial Action	n:	
Excavati	on		
		Yes Depth	
Ground Water Encour	ntered: No 🔀	163	
Final Pit: Closure Sampling:	Sample location _	see Attached Documents	
(if multiple samples, attach sample results	Sample depth	4'	
and diagram of sample locations and depths)	Sample date 8/	9/94 Sample time	1155
	Sample Results		
	•		
	Benzene (ppm)		
		ppm) 8.74(•
	Field heads	pace(ppm) <u>756</u>	
	TPH 178 A	ppn	
Ground Water Sampl	e: Yes No	(If yes, attach sample	results)
OF MY KNOWLEDGE AN	HAT THE INFORMATION BELIEF	N ABOVE IS TRUE AND COMPLI	ETE TO THE BES
DATE 8/24/94 SIGNATURE SS		D NAME Buddy D. S TLE ENVIRONMENTAL	haw Coordinator

	CLIENT: <u>AMC</u>) <u>CO</u>		AGG EN 87, BL (505)		LD, NN		a	ION NO: 80058 D.C. NO: 1833
	FIELD R	EPORT	: CL	OSURI	E VER	RIFIC	ATION	J PAGE 1	No: _/ of _/
	LOCATION: NAME QUAD/UNIT: C QTR/FBDTAGE:	SEC: 28	TWP: 29	A RNG: 9	ン PM: ハ	CNTY:	SJ ST: M	TOATE EIN	ARTED: 8-19-94 ISHED: 8-19-94 MENTAL NV IT:
	SOIL REMEDIATION DISF		ATION AP	PROX	15 FT.	x _ 1'	CUBIC YA	ARDAGE: _	25
	FIELD NOTES & DEPTH TO GROUNDWA	TER: <100'	NEAREST	WATER SOUR	CE: > 100	NE	AREST SURF	FACE WATER:	2/000
	SOIL AND EXCAV	/ATION DES	CRIPTION:	m.a	16N most	יגע אמ	HARD S	Voir = c	LOY
				EXCAUNT	-74~ Me 37	c, <i>"</i> ,	,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TALE &	 47.
ļ	:	SAMPLE I.D.	130 No.	FIELD 418	.1 CALCULA	TIONS	READING (CALC nom	
	1155	SAMPLE 1.D.	TPH-1086		20	1:1	3 Z	128	
	SCALE								
	0 FT				OVM	L	PI	T PRO	FII F
	PIT F	ERIMET	EK /	RE	FIELD HEADSPACE PID (ppm)	-	A		<u>↑ 1 1 1 1 1 1 1 1 1 1 </u>
				l in	PID (ppm) 694 756		•	15	5 /
				1 @ 5' 2 @ 4' 3 @ 4' 4 @ 4' 5 @ 6'	7.8		7	7	
			7 7	5 e 6'	137.4		۵' \		
VELL WELL	P P A	<u>a</u> (5)	2 15				-4	SANDS	
HEAT	PPA	<u>_</u>	A')					3 = 0	,
			<i>→ →</i>	(5) E 4 '	LAB SAM	PLES			
		151		567	is i Cx Co				
								• • •	
	TRAVEL NOTES:	CALLOUT: _	8-17-	94	ONSI	ΓΕ: <u>\$</u>	z - 19 - 9	7	

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:

2 @ 4'

Date Analyzed:

8-19-94

Project Location:

Hamner 2 A

Date Reported:

8-19-94

Laboratory Number:

TPH-1086

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	130	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}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 - B0058

 $\frac{R}{\text{Review}} \times \frac{E}{E} = \frac{E}{E$

Analysi



AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Date:

8/20/94

Company: Blagg Engineering

Lab ID:

1832

Address:

Sample ID:

2578

City, State: Bloomfield, NM 87413

P.O. Box 87

Job No.

2-1000

Project Name:

Hamner 2A

Project Location: Sampled by:

2 @ 4' - Sep Pit

Date: Date: 8/19/94 8/20/94 Time:

11:55

Analyzed by: Sample Matrix: DLA

NV

Soil

Aromatic Volatile Organics

	**Measured		
Component	Concentration ug/kg		
Benzene	ND		
Toluene	957		
Ethylbenzene	330		
m,p-Xylene	5,718		
o-Xylene	1,736		
	TOTAL 8,741 ug/kg		

ND - Not Detectable

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

Approved by:

^{** -} Method Detection Limit, 0.5 ug/kg

O. Box 1980, Hobbs, NM

ISTRICT II
O. Drawer DD, Artesia, NM 88211

ISTRICT III
OO Rio Brazos Rd, Aztoc, NM 87410

State of New Hexico 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

Operator: Amoco Production Company	Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmingto	n, New Mexico 0/401
Pacility Or: HAMNER 2A	
Location: Unit or Qtr/Qtr Sec	Sec 8 T 29H R YW County SAN JUAN
Pit Type: Separator Dehydrator	Other PRODUCTION TANK
Land Type: BLM X, State, Fee	_, Other
(Attach diagram) Reference: wellhead	th 10', width 10', depth 5' c, other c: 155' nce: 5 Degrees × East North of West South ×
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 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) O
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
·	RANKING SCORE (TOTAL POINTS): /O

	_	Date Completed: 8/24/94
Date Remediation St.		Dave Jompson
emediation Method:	ExcavationX	Approx. cubic yards
Check all appropriate ections)	Landfarmed X	Insitu Bioremediation
	Other	
,		
emediation Location ie. landfarmed onsite, ame and location of ffsite facility)	···	fsite
eneral Description	Of Remedial Action	n:
Excavati	on	
Ground Water Encour	ntered: No 🔀	Yes Depth
Final Pit: Closure Sampling: (if multiple samples,		see Attached Documents
attach sample results and diagram of sample locations and depths)	Sample depth	2 / /19 /94 Sample time 1235
	Sample Results	
	Benzene (ppm	
		ppm) 0.273
	Field heads	pace(ppm)
	TPH <u>180</u>	ppm
Ground Water Sampl	.e: Yes No	(If yes, attach sample results)
		AN ABOVE IS TRUE AND COMPLETE TO THE BE
OF MY KNOWLEDGE AN	THAT THE INFORMATION BELIEF	ON ABOVE IS TRUE AND COMPLETE TO THE BES
DATE 8/24/94	PRINTE AND TI	ED NAME Buddy D Shaw TILE ENVIRONMENTAL CORRELINATOR
SIGNATURE (2X)	· (aw	

CLIENT: AMC		LAGG ENGINEERING, II X 87, BLOOMFIELD, NI (505) 632-1199			
FIELD R	EPORT: C	LOSURE VERIFIC	ATION PAGE NO: _/ of _/_		
LOCATION: NAME	HAMPER	WELL #: Z.A PIT: PR	DATE STARTED: 8-19-94 DATE FINISHED: 8-19-94		
		N RNG: 9W PM: NM CNTY CONTRACTOR: MOSS	ENVIRONMENTAL SPECIALIST: NV		
DISF	SOIL REMEDIATION: EXCAVATION APPROX. 10 FT. x 5 FT. DEEP. DISPOSAL FACILITY: LANDFRRMED ON-SITECUBIC YARDAGE: 7 LAND USE: LANGE LEASE: 82 - 080245				
FIELD NOTES &	REMARKS: PIT LO	CATED APPROXIMATELY 155	FEET SISE FROM WELLHEAD		
*			AREST SURFACE WATER: 71000 / FURMATION: MV/OK		
NMDCD RANKING SCU	RE: NMUCD I	PH CLUSORE STDIPE TO THE	1 dixiiii 200		
SOIL AND EXCAV	/ATION DESCRIPTION	EXCAUATION MOSTLY IN HA	eo shave a clay,		
		FIELD 418.1 CALCULATIONS	Issue leve		
_		WEIGHT (g) mL. FREON DILUTION	· 		
1235	30 5, LbH-108.	7 5 20 1:1	45 180		
SCALE					
O FT		\ OVM			
PIT F	PERIMETER 🔪	RESULTS	PIT PROFILE		
		SAMPLE FIELD HEADSPACE FID (ppn.) 1 2 3 7 265	A A		
	PROD	2 e 3' 683	10		
	TKNK	3 C z' 706 4 C 3' 410			
To val	Z PIRE	5@ 5' z4.6	s' <u>\</u>		
NEW !			117,1171 SANDSTONE		
A TO	(Z)		- · · · · · ·		
, , ,	3	LAB SAMPLES			
		3027 RELY (8050)			
TRAVEL NOTES: 8-17-94 ONSITE: 8-19-94					

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: Project Location:

3 @ 2'

Hamner 2 A

Laboratory Number:

TPH-1087

Project #:

Date Analyzed:

8-19-94 8-19-94

Date Reported: Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	180	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
104	92	11.54

^{*}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 - B0058

yst F. F. O'vill Review



AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Date:

8/20/94

Company: Blagg Engineering

Lab ID:

1832

Address:

P.O. Box 87

Sample ID:

2579

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Project Location:

Hamner 2A

3 @ 2' - Prod. Pit Date:

8/19/94

Time:

12:30

Sampled by: Analyzed by: NV DLA

Date:

8/20/94

Sample Matrix:

Soil

Aromatic Volatile Organics

	* *Measured		
Component	Concentration ug/kg		
Benzene	6.5		
Toluene	22.4		
Ethylbenzene	25.9		
m,p-Xylene	199		
o-Xylene	19.1		
	TOTAL 273 ug/kg		

ND - Not Detectable

** - Method Detection Limit, 0.5 ug/kg

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

Approved by: Date: 8/22/14