District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aziec, 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

Operator: Amoco Production Company	Telephone: (505) - 326-9200
Facility Or: HEATH GC AL	
Location: Unit or Qtr/Qtr Sec + Sec + Sec	77 737 1 9 W County XAN THE
Pit Type: Separator Dehydrator O	ther BLOW
Land Type: BLM, State, Fee	, Other Com. AGMT.
Pit Coarten Pit almensions: length	, other
DEC 1 9 1996 otage from reference:	185'
Direction from referenc	e: 40 Degrees \times East North \times
Reproved the	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) No (0 points) <u></u>
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):

		2/ 194
Date Remediation St	arted:	Date Completed:
Remediation Method: (Check all appropriate	Excavation $\underline{\times}$	Approx. cubic yards
sections)	Landfarmed 🔀	Insitu Bioremediation
	Other	
Remediation Locatio		site
(ie. landfarmed onsite, name and location of offsite facility)		-
General Description	Of Remedial Action	:
Excavation	on	
Ground Water Encoun	tered: No X	Yes Depth
Ground water Encoun		
	sample location	see Attached Documents
Final Pit: Closure Sampling:		PLE SAMPLES
(if multiple samples, attach sample results	Sample depth	
and diagram of sample locations and depths)	Sample date 7.2	9-99 Sample time
	Sample Results	
	-	
	Benzene(ppm)	
	Total BTEX(pr	
		ace(ppm) 675
	трн <u>5900 р</u> рм	<u>. </u>
Ground Water Sample	Yes No X	(If yes, attach sample results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8 9 94	1	RIIN SLAI
SIGNATURE SASI	nau PRINTED AND TITE	NAME Buddy D. Shaw E Environmental Coordinator

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of		
LOCATION. NAME: HEATH GC WELL #: A (PIT: BLOW DATE STARTED: 7/29/94 QUAD/UNIT: H SEC: 3 z TWP: 30 A RNG: 9 W PM: NM CNTY: 5 J ST: NM FINISONMENTAL			
QTR/FOOTAGE: SELY NELY CONTRACTOR: MOSS	ENVIRONMENTAL SPECIALIST: ~V		
SOIL REMEDIATION: EXCAVATION APPROX. 32 FT. x 26 FT. x DISPOSAL FACILITY: LANDFARMED ON -SITE CUBIC YAR LAND USE: RANGE LEASE: 5F - C	DAGE: \\S\S		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 185 FEET 1 DEPTH TO GROUNDWATER: > 100 NEAREST WATER SOURCE: > 1000 NEAREST SURFACE TO THE PROVINCE OF THE	E WATER: > 1000		
NMBCD RANKING SCORE: NMBCD TPH CLOSURE STD: 5000 PPM	FORMATION: MV		
O FT PERIMETER N OVM RESULTS PIT	C. ppm 600		
SAMPLE FIELD HEADSPACE PID (ppm) 10 4' 832 20 3' 856 30 7 809 40 3' 745 50 6' 756 60 5' 60 9 HEAD HEAD TO S 3 43 77 80 5' 675	HARD SHALE MED. LT. GRAY		

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:

2 @ 3'

Date Analyzed:

ad.

7-29-94

Project Location:

Heath GC A 1

Date Reported:

7-29-94

Laboratory Number:

TPH-1044

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	7,600	200

ND = Not Detectable at stated detection limits.

QA/QC:

 QA/QC Sample
 Duplicate
 %

 TPH mg/kg
 TPH mg/kg
 *Diff.

 ---- ---- ----

 978
 938
 4.18

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - B0032

Analyst C

Review

^{*}Administrative Acceptance limits set at 30%.

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:

8 @ 5'

Date Analyzed:

8-08-94

Project Location:

Heath GC A 1

Date Reported:

8 - 08 - 94

Laboratory Number:

TPH-1059

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	5,900	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg 5920

Duplicate TPH mg/kg

8160

% *Diff. - - - -

27.45

*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 - B0032

West Illy

Review

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P O. Box 1980, Hobbs, NM
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OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmington	, New Mexico 87401
Well Name	HEATH GC P	
Location: Unit	or Qtr/Qtr Sec + Sec	C32 T30N R 9W County SAN JUAN
1	rator \times Dehydrator $_$ 0	
Land Type: BL	M, State, Fee	, Other Com. AGMT.
Pit Location: (Attach diagram)	Reference: wellhead X	, other Se: 25 Degrees X East North X West South
Depth To Ground (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)
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points)
	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):

		Date Completed:	7/29/94
Date Remediation St			
Remediation Method: (Check all appropriate		Approx. cubic yards	
sections)	Landfarmed 🔀	Insitu Bioremediation _	
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility) General Description Excavation	Of Remedial Action:	ite	-
Ground Water Encoun		Yes Depth	
Final Pit: Closure Sampling:	Sample location	see Attached Documents	
(if multiple samples, attach sample results	2 1	61	
and diagram of sample locations and depths)	Sample depth		0970
	Sample Results	רבס מ	
	Benzene(ppm) 2		
	Total BTEX(ppm Field headspac		
		e(ppm) <u> </u>	
	трн <u>3,160</u>	•	
Ground Water Sample	: Yes No <u>×</u>	(If yes, attach sample	results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND	AT THE INFORMATION A BELIEF	BOVE IS TRUE AND COMPLET	TE TO THE BEST
DATE 8/1/94	Λ	RIINS	L. A
SIGNATURE BASI	PRINTED N AND TITLE	AME Buddy D.S.	Poordinater_

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	CO.C. NO:
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: of
LOCATION: NAME: HEATH GC WELL #: A PIT: SEP QUAD/UNIT. H SEC: 32 TWP:302 RNG: 9W PM: NM CNTY: ST ST: NM OTR/FOOTAGE: SE(4 NE/4 CONTRACTOR: MOSS	DATE STARTED: 7/29/94 DATE FINISHED: 7/29/94 ENVIRONMENTAL NV SPECIALIST:
SOIL REMEDIATION: EXCAVATION APPROX15 FT. x17 FT. x DISPOSAL FACILITY:	DAGE: <u>66</u>
LAND USE: RANGE LEASE: SF - 076	,33 /
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 85 FEET NEED DEPTH TO GROUNDWATER: 2100 NEAREST WATER SOURCE: 21000 NEAREST SURFACE	
NMOCD RANKING SCORE:O NMOCD TPH CLOSURE STD: 5000 PPM	FORMATION: MV
SCALE	2. ppm 160
O FT PERIMETER N OVM RESULTS PIT	PROFILE
SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 8!	SITU SAND CLAY DED SHOVE GRAY T. KLACK
TRAVEL NOTES: CALLOUT: 7/27/94 ONSITE: 7/29/94	

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:

Sample ID:

2 @ 6'

Project Location:

TPH-1043

Laboratory Number:

Amoco

Heath GC A 1

Project #:

Date Analyzed:

7-29-94

Date Reported:

7-29-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg – – – – – –
Total Recoverable Petroleum Hydrocarbons	3,200	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
978	938	4.18

^{*}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 - B0032

Review



AROMATIC VOLATILE ORGANICS

Attn:

Nelson Velez

Date:

7/30/94

Company: Blagg Engineering

Lab ID:

1676

Address:

P.O. Box 87

Sample ID:

2195

City, State: Bloomfield, NM 87413

Job No.

2-1000

Project Name:

Heath GC A1

Project Location:

2 @ 6' - Separator Pit

Sampled by:

Date: Date:

7/29/94 7/30/94 Time:

9:30

Analyzed by: Sample Matrix: DLA Soil

NV

Aromatic Volatile Organics

Component	**Measured Concentration ug/kg	
Benzene	27	
Toluene	229	
Ethylbenzene	362	
m,p-Xylene	8,735	
	3,566	
	TOTAL 12,917 ug/kg	

ND - Not Detectable

** - Method Detection Limit, 2 ug/kg

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

Approved by:

Date: