District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Azzec, 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
Address: 200 Amoco Court, Farming	ton, New Mexico 87401
Facility Or: P.O. PIPKIN # 40 Well Name	
Location: Unit or Qtr/Qtr Sec	Sec (7 T27NR)O W County Sthe Judy
Pit Type: Separator Dehydrator	
Land Type: BLM $X$ , State, Fee _	, Other
DEC 1 9 1996 Footage from reference	
Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) 20
ground water)  Wellhead Protection Area:  (Less than 200 feet from a private	DECEIVED  Yes (20 points) No (0 points) Output  No (0 points)
domestic water source, or; less than 1000 feet from all other water sources)	OLL CON. DIV. Dist. 3
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): 20

Date Remediation St	arted:	Date Completed:	9-12-94
Remediation Method:		Approx. cubic yards	
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		site	•
General Description	Of Remedial Action	:	
Excavatio	on		
Ground Water Encoun	tered: No X	Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents	
attach sample results and diagram of sample	Sample depth 9	1	
locations and depths)	Sample date 9-1		
	Sample Results		
	Benzene(ppm)		
	Total BTEX(pp	m)	
	Field headspa	ce(ppm)	
	TPH ND	_	
Ground Water Sample	: Yes No	X (If yes, attach sample	results)
I HEREBY CERTIFY TH OF MY KNOWLEDGE AND		ABOVE IS TRUE AND COMPLE	TE TO THE BEST
DATE 9/13/49	DOTAMEN	NAME RULL DS	haus.
SIGNATURE BASI	naw AND TITL	NAME Buddy D. S.	Coordinator

	REJUITS TO JOHNA! 9-12-94 PLW	
CLIENT AMOCO	BLAGG ENGINEERING, INC P.O. BOX 87, BLOOMFIELD, NM (505) 632-1199	
FIELD	REPORT: PIT CLOSURE VERI	
	PIPKIN WELL #: 4E PIT: AB. BL	
	7 TWP: 27 N RNG: OW BM: MN CNTY: S.	ENVIRONMENTAL RES
SOIL REMEDIATION: EXC.	AVATION APPROX 25 FT. x 20	FT. x <u>13</u> FT. DEEP.
	CILITY: ON SITE - LANDFARM CU  RANGE LEASE: FE	
FIELD NOTES & REMARI	(S: PIT LOCATED APPROXIMATELY 170 NEARE NEAREST WATER SOURCE: >1000' NEARE	FEET N/3 W FROM WELLHEAD.
	NMOCD TPH CLOSURE STD: 100 PPM	
NAGCE KWWWING PROPE	SCRIPTION WELL HAS BEEN PAA'D. EXCUSTON IS BROWN MOIST.	
   2016 AND EXCAMALIGN DE	EXAMPON IS BROWN, MOIST,	CORPSE SAM - NO ODOR/SMIN.
	BOTTOM IS WET - CLOSE TO	WHILE TABLE.
		CLOSE PIT
SAMPLE I.	FIELD 418.1 CALCULATIONS  D. LAB No: WEIGHT (g) mL. FREON DILUTION RE	EADING CALC. ppm
5509'		4 8 (NO)
SCALE		
o '° ²°FT PIT PERIMI	OVM ETER RESULTS	PIT PROFILE
	SAMPLE FIELD HEADSPACE	
	N 1 NSC 9' 1.7	. =
	3 55 <b>C</b> 9' 9.0	
	4 WS@10 ND 5 CB@14' ND	
F 1 0		13'
9 9		
		_
- 1	LAB SAMPLES	
	010	
	WELLTER	
	LU CATION -	
- To To		

### **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:

SS @ 9'

Project Location: Laboratory Number:

P.O. Pipkin 4E TPH-1125

Project #:

Date Analyzed:

9-12-94 9-12-94

Date Reported: Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	<del></del> ·
Total Recoverable Petroleum Hydrocarbons	ND	10	

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

Duplicate TPH mg/kg

% \*Diff

440

450

2

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Abandoned Blow Pit - B0085

R. E. O'NOW!

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

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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 Compar	Telephone: (505) - 326-9200		
	200 Amoco Court, Farmin			
Facility Or:	P.O. PIPKIN #	45		
Well Name				
Location: Unit	or Qtr/Qtr Sec	Sec 17 T27N R 10 W County SAN JUAN		
Pit Type: Sepa	rator $\underline{\hspace{0.1cm} X}$ Dehydrator $\underline{\hspace{0.1cm}}$	Other ASAM area		
Land Type: BL	$\mathtt{M}\underline{\hspace{0.1cm}}^{\hspace{0.1cm} \hspace{0.1cm}} \hspace{0.1cm} X$ , State $\underline{\hspace{0.1cm}}$ , Fee	, Other		
Pit Location:	Pit dimensions: le	ngth25', width15', depth12'		
(Attach diagram)		$ ext{d}  extstyle  ilde{\chi}$ , other		
i	Footage from refere	<del></del>		
		rence: $20$ Degrees $X$ East North $X$		
	Direction from fere	of  West South		
		West South		
Depth To Ground Water: Less than 50 feet (20 points)				
(Vertical distant	ce from	50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) 20		
high water elevat				
, , , , , , , , , , , , , , , , , , ,		DECEIVED  SEP 2 0 1984  Yes (20 points)		
Wellhead Prote		Yes (20 points) No (0 points)		
domestic water so	eet from a private ource, or; less than	OIL COM. DIV.		
1000 feet from a	ll other water sources)	DINT. 3		
Distance To Su	irface Water:	Less than 200 feet (20 points)		
(Horizontal dist	ance to perennial vers, streams, creeks,	200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)		
irrigation canal	s and ditches)			
		RANKING SCORE (TOTAL POINTS): $20$		

Date Remediation St.	arted:	Date Completed:	9-12-94
Remediation Method:	•	Approx. cubic yards	Ì
cobook all appropriate	Landfarmed $X$	Insitu Bioremediation	
	Other		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	n: Onsite $X$ Of	fsite	-
General Description	Of Remedial Action	n:	
Excavation	on		
Ground Water Encoun	tered: No $X$	Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location _	see Attached Documents	
attach sample results and diagram of sample	Sample depth	16'	
locations and depths)	Sample date 9-13		
	Sample Results		
	Benzene(ppm)		
	Total BTEX(p	pm)	
	Field headsp	ace(ppm)	
	трн <u>88 ре</u>	m	
Ground Water Sample	Yes No	X (If yes, attach sample	results)
I HEREBY CERTIFY THOOF MY KNOWLEDGE AND	AT THE INFORMATION BELIEF	ABOVE IS TRUE AND COMPLE	TE TO THE BEST
DATE 9/13/99	/	RIINS	64. 1
SIGNATURE BASI	PRINTED AND TIT	NAME Buddy D. S.	Coordinator

	RES	suits to JOHHIT/	0 9-17-94	flo	
CLIENT: AMO	(0	BLAGG ENG BOX 87, BLO	INEERING,	INC.	3 C.D.C. ND:
	FIELD REP	PORT: PIT C	LOSURE VI	ERIFICAT	
QUAD/UNIT:	C SEC 17 TW	KIN WELL #: 7P 27 N RNG: 10 W	BM: PM CNT	ч, see, тү: s т <sub>эт: м</sub> і	DATE STARTED: 9-12-94  DATE FIN:SHED:  ENVIRONMENTAL R FO- SPECIALIST:
SOIL REMEDIATI	ON: EXCAVATION POSAL FACILITY	ON APPROX! Y: ON SITE	5 FT. x	CUBIC YA	x12´ FT. DEEP.  RDAGE:120  \$\sim sf-077875
HELD NOTES & DEPTH TO GROUNDWA	KEMARKS: PI ATER: <b>470</b> NE	T LUCATED APPRU APEST WATER SOURCE	>1000 1	S FEET NEAREST SURF	N20°E FROM WELLHEAD.  ACE WATER: 71000'
NMOOD PANKING SCO	PE: 20 NMI	OCD TPH CLOSURE STI	. 100 PPM		
SOIL AND EXCAV	/ATION DESCRIP	TIBN: WELL HAS	S BEEN P + A	'D,	NO OBOR/STAIN.
		SOIL IS ME	131, 020-1 / 6-	70.00	,
		FIELD 418.1	CALCULATIONS		CLOSE PIT
	SAMPLE I.D LAE	B No: WEIGHT (g) m	CALCULATIONS IL FREON DILUTIO		ALC. ppm
	CB@ 13 1	No: WEIGHT (g) m	PREON DILUTION CONTRACTOR CONTRAC	102	
SCALE	CB@ 13 1	No: WEIGHT (g) m	L FREON DILUTIO		ALC. ppm 204
0 5 1°FT	(B@ 13' 1 (B@ 16' 1	126 10.0 127 15.0	20.0 ~ 20.0 ~ 20.0 ~	102	ALC. ppm 204 88
0 5 1°FT	CB@ 13 1	R No: WEIGHT (g) m  126 10.0  127 15.0  RES	PREON DILUTION 20,0 ~ 20.0 ~ 2	102	ALC. ppm 204
0 5 1°FT	(B@ 13' 1 (B@ 16' 1	R No: WEIGHT (g) m  126 10.0  127 15.0  RES  SAMPLE 100  1 NS & 6	PIL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  DVM  SULTS  FIELD HEADSPACE PID (Ppm)  0.9	102	ALC. ppm 204 88
0 5 1°FT	(B@ 13' 1 (B@ 16' 1	RES  No: WEIGHT (g) m  126 10.0  127 15.0  RES  NAMPLE 100  1 MS 6 6  2 ES 6 6  3 SS 6 6	PIL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  OVM  SULTS  FIELD HEADSPACE PID (ppm)  0.9  0.9  0.8	102	ALC. ppm 204 88
0 5 1°FT	CB@ 13' 1 CB@ 16' 1 PERIMETER	RES  No: WEIGHT (g) m  126 10.0  127 15.0  RES  N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PILL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  DVM  SULTS  FIELD HEADSPACE PID (ppm)  0.7  0.7	102	ALC. ppm 204 88
O 5 PIT F	CB@ 13' 1 CB@ 16' 1 PERIMETER	RES  No: WEIGHT (g) m  126 10.0  127 15.0  RES  SAMPLE 1  1 NS 6 6  2 ES 6 6  3 SS 6 6  4 WS 6 6	PIL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  OVM  SULTS  FIELD HEADSPACE PID (ppm)  0.9  0.9  0.8	102	ALC. ppm 204 88
0 5 1°FT	CB@ 13' I CB@ 16' I PERIMETER	RES  No: WEIGHT (g) m  126 10.0  127 15.0  RES  N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PIL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  OVM  SULTS  FIELD HEADSPACE PID (ppm)  0.9  0.9  0.8	102	ALC. ppm 204 88  F PROFILE
O 5 PFT PIT F	CB@ 13' 1 CB@ 16' 1 PERIMETER	RES  RES  No. WEIGHT (g) m  126 10.0  RES  No. WEIGHT (g) m  RES  A SAMPLE 10  2 ES 6 6  3 SS 6 6  4 WE 6 13  6 CB C 16	PIL FREON DILUTION  20.0 ~  20.0 ~  20.0 ~  OVM  SULTS  FIELD HEADSPACE PID (ppm)  0.9  0.9  0.8	102	ALC. ppm 204 88  F PROFILE
O 5 PIT F	CB@ 13' 1 CB@ 16' 1 PERIMETER  3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RES  RES  No. WEIGHT (g) m  126 10.0  RES  No. WEIGHT (g) m  RES  A SAMPLE 10  2 ES 6 6  3 SS 6 6  4 WE 6 13  6 CB C 16	20.0 ~  20.0 ~  20.0 ~  20.0 ~  0VM  SULTS  FIELD HEADSPACE PID (pprm)  0.9  0.9  0.8  0.6  5.4  1.6	102	ALC. ppm 204 88  F PROFILE
O 5 PTT PIT I	CB@ 13 1 CB@ 16 1	RES  RES  No. WEIGHT (g) m  126 10.0  RES  No. WEIGHT (g) m  RES  A SAMPLE 10  2 ES 6 6  3 SS 6 6  4 WE 6 13  6 CB C 16	20.0 ~  20.0 ~  20.0 ~  20.0 ~  0VM  SULTS  FIELD HEADSPACE PID (pprm)  0.9  0.9  0.8  0.6  5.4  1.6	102	ALC. ppm 204 88  F PROFILE
O 5 PT PIT F	CB@ 13' 1 CB@ 16' 1 PERIMETER  3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RES  RES  No. WEIGHT (g) m  126 10.0  RES  No. WEIGHT (g) m  RES  A SAMPLE 10  2 ES 6 6  3 SS 6 6  4 WE 6 13  6 CB C 16	20.0 ~  20.0 ~  20.0 ~  20.0 ~  0VM  SULTS  FIELD HEADSPACE PID (pprm)  0.9  0.9  0.8  0.6  5.4  1.6	102	ALC. ppm 204 88  F PROFILE

## **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:

CB @ 13' P.O. Pipkin 4E Project #:

Date Analyzed:

9-12-94

Date Reported:

9-12-94

Laboratory Number:

Project Location:

TPH-1126

Sample Matrix:

Soil

		Detection
Parameter	Result, mg/kg	Limit, mg/kg
Total Recoverable		
Petroleum Hydrocarbons	200	10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg Duplicate
TPH mg/kg

% \*Diff.

440

450

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\*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:

Abandoned Separator Pit - B0085

F. E. ONAL Analyst

Alskor Till Review

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## **BLAGG ENGINEERING, INC.**

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

### FIFLD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Amoco

Sample ID: Project Location: CB @ 16'

TPH-1127

P.O. Pipkin 4E

Laboratory Number:

Project #:

Date Analyzed:

9-12-94

Date Reported:

9-12-94

Sample Matrix: Soil

		Detection
Parameter	Result, mg/kg	Limit, mg/kg
Total Recoverable		
Petroleum Hydrocarbons	88	10

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

Duplicate TPH mg/kg

% \*Diff.

440

450

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Abandoned Separator Pit - B0085

R & O Nath

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