Blow-risk bolockoo83 Sep-risk bolock

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
Strict 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

		Denied 17/10/96 die 7/4 and BEX
Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:		, New Mexico 87401
Well Name	P.O. PURKW # 3	
Location: Unit	or Qtr/Qtr Sec A Se	c 17 T27N R 10W County SAN JUAN
Pit Type: Sepa	rator Dehydrator O	ther Blow
Land Type: BL	M X, State, Fee	, Other
Pit Location: (Attach diagram)	Reference: wellhead X Footage from reference:	
Depth To Ground (Vertical distance contaminants to this high water elevated ground water)	ce from seasonal	Less than 50 feet (20 points) 70 50 feet to 99 feet (10 points) Compared than 100 feet (0 Points) 20
domestic water s	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points)
Distance To Su (Horizontal distance) lakes, ponds, ri 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):

Date Remediation St	arted:	Date Completed:	9-8-94
Remediation Method:	Excavation X	Approx. cubic yards	900
(Check all appropriate	Landfarmed X	Insitu Bioremediation _	
	Other Compost	·	
Remediation Locatio (ie. landfarmed onsite, name and location of offsite facility)		ite	-
General Description	Of Remedial Action:		
Excavati	on - IN to Beograck	RISK ASSESSED	
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	1-16' COMPOSITE	
locations and depths)	Sample date 9-8.	99 Sample time	
	Sample Results		
	Benzene(ppm) _		
	Total BTEX(ppm)	
	·	e(ppm) 493-573	
	TPH 4700 ppm		
Ground Water Sample	Yes No X	(If yes, attach sample	results)
OF MY KNOWLEDGE AND	BELTEF	BOVE IS TRUE AND COMPLET	E TO THE BEST
DATE 4/13/99 5/2	5/98 975	RIIN SI	- A. 1
SIGNATURE BASI	PRINTED N AND TITLE		pordinator

BLAGG ENGINEERING, INC. LOCATION NO. BOOMS P.O. BOX 87, BLOOMFIELD, NM 87413 C.O.C. NO
FIELD REPORT: PIT CLOSURE VERIFICATION
LOCATION: NAME: P.O. PIPKIN WELL #: 3 PIT: BLOW DATE STARTED: 9-8-94 QUAD/UNIT: A SEC: 17 TWP: 27 N RNG: LOW BM: NM CNTY: SS ST: NM ENVIRONMENTAL A A
QUAD/UNIT: A SEC: / TWP: Z /N RNG: 1000 BM: 7011 CRIT: SO ST. AND ENVIRONMENTAL CONTRACTOR: EPC SPECIALIST: LOS
SOIL REMEDIATION: EXCAVATION APPROX. 40 FT. x 50 FT. x 16 FT. DEEP. DISPOSAL FACILITY: ON SITE LANDEDRY & GYANT CUBIC YARDAGE: 900 +
LAND USE: BLM RANGELAND LEASE: SF-077875
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180' FEET N60'W FROM WELLHEAD DEPTH TO CERTINDWATER 18 NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER > 1000' NMOCD RANKING SCURE: 20 NMOCD TPH CLOSURE STD: 100 PPM
SOIL AND EXCAVATION DESCRIPTION: BLOW SAND OVER BURDEN FROM SURFACE TO 8.
SHALE BEDRICK HOOM & BO 16 DEPTA.
RAMP INTO PIT FROM EAST SIDE. - CONDITIONAL CLOSERE AND (RISK ASSESSED)
FIELD 418.1 CALCULATIONS SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION READING CALC. ppm
10 2 20 2 10 × 237 H74(1)
SCALE (D,Q,S)
O FT OVM PIT PROFILE RESULTS
SAMPLE FIELD HEADSPACE PIO (ppm) 18 18ASE @ 16 573
2 Nome 12 493 360 m @ 12 267
4) 4 AENT @ 10 15 5 5 W # 5+ @ 10 1 5 3 8
A 50' 0 (A)
Samples Composite 8000 BTEX (O.C. 5)
- 101 x 30
HE AD TO THE AD TO THE AD TO THE ADD TO THE
TRAVEL NOTES: CALLOUT: 11:00 AM 9-8-94 ONSITE: 1330 9-8-94

Well Name:
Well Site location:
Pit Type:
Producing Formation:
Pit Category:

Pipkin P.O. #3
Unit A. Sec. 17, T27N, R10W
Blow Pit
Basin Dakota
Non Vulnerable

> 1000 ft. > 100 ft

RISK ASSESSMENT (non-vulnerable area)

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Pit remediation activities were terminated when trackhoe encountered shale bedrock at 16 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow shale bedrock located 16 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below shale bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- Well site located within the <u>non-vulnerable area</u> and is approximately 0.03 miles northeast of the nearest vulnerable area boundary (East Fork Kutz wash).

(Refer to <u>East Fork Kutz Canvon Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), provisional edition 1985, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation <u>Division</u>).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the shale bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

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:

Composite of N,W,B @ 12-16'

Date Analyzed: 9-08-94

Project Location:

P.O. Pipkin 3

Date Reported:

9-08-94

Laboratory Number:

TPH-1122

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg	
Total Recoverable			
Petroleum Hydrocarbons	4,700	100	

ND = Not Detectable at stated detection limits.

QA/QC:

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

440

450

....

2

*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 - B0083

*A*y⊓alyst

Review

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

Field TPH-Worksheet

Client: Amoco

Sample ID: Composite of N,W,B @ 12-16'

Project Location: P.O. Pipkin 3 Laboratory Number: TPH-1122 Project #:

Date Analyzed: 9-08-94 Date Reported: 9-08-94

Sample Matrix: Soil

Sample Weight: 10.00 grams Volume Freon: 20.00 mL

Dilution Factor: 10 (unitless) TPH Reading: 237 mg/kg

TPH Result: 4740.0 mg/kg
Reported TPH Result: 4700.0 mg/kg
Actual Detection Limit: 100.0 mg/kg
Reported Detection Limit 100 mg/kg

Comments: Blow Pit - B0083

B0083

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
strict III
1000 Rio Brazos Rd, Aztec, 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, Farmington,	New Mexico 87401
Facility Or: P.O. PIPKIN # 3 Well Name	
Location: Unit or Qtr/Qtr Sec A Sec	c 17 T27NR 10 W County SAN JUAN
Pit Type: Separator X Dehydrator Ot	ther
Land Type: BLM \times , State, Fee	
Footage from reference:	, other
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)
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):

Date Remediation St	arted:	Date Completed:_	9-12-99
	Excavation X	Approx. cubic yards	200
(Check all appropriate sections)	Landfarmed	Insitu Bioremediation	
	OtherComfc	ST	
Remediation Location		fsite	
(ie. landfarmed onsite, name and location of			-
offsite facility) General Description	Of Demodial Actio	n•	
_	on - INTO BENE	2	
Excavaci	OII INTO PEAK	BUIL X138 HESPLESS EL	
			*
	V		
Ground Water Encoun	tered: No	Yes Depth	
Final Pit:	Sample location	see Attached Documents	
Closure Sampling:	Sample Tocacion _		
(if multiple samples, attach sample results and diagram of sample	Sample depth	9′	
locations and depths)	Sample date		
	Sample Results	 	
	Benzene(ppm)		
	Total BTEX(p		
		ace(ppm) <u>SS7</u>	
	трн 7680		
			
Ground Water Sample	Yes No _	$\frac{\chi}{\chi}$ (If yes, attach sample	results)
OF MY KNOWLEDGE AND	BELIEF	ABOVE IS TRUE AND COMPLE	TE TO THE BEST
DATE 9/19/19 5/25	198 91	RIINS	La. 1
SIGNATURE BASI	PRINTED AND TIT		Coordinator

	10 20HTh, d-15- dA 650	
CLIENT: AMOCO BL. P.O. BOX	AGG ENGINEERING, INC. 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
FIELD REPORT	: PIT CLOSURE VERIFICAT	ION
LOCATION: NAME: P.O. PIPKIN QUAD/UNIT: A SEC: 17 TWP: 27	WELL #: 3 PIT: SEP. N RNG: JOW BM: NM CNTY: SJ ST: NM	DATE FINISHED:
OTR/FOOTAGE: NE/4 NE/4	CONTRACTOR: EYC	ENVIRONMENTAL REO
DISPOSAL FACILITY: _0.	PPROX. 20 FT. x 30 FT. x U SITE - COMPOST CUBIC YA	RDAGE: ZOO
FIELD NOTES & REMARKS: PIT LOS	ATED APPROXIMATELY FEET .	NISE FROM WELLHEAD.
DEPTH TO GROUNDWATER: 250 NEAPEST	WATER SOURCE: NEAREST SURFA	ACE WATER:
NMOCD RAHKING SCEPE: 20 NMOCD TE		4-4-0-64
SOIL AND EXCAVATION DESCRIPTION:	PIT EXCAUNTED INTO SAMPSTOM APPENS TO BE SLEEDING FROM	SIDE WALLS. ALL
(O) the record con	REMOVED. SIDEWALL STAIN + ODOS	APPARENT.
RISK ASSISSED		
\(\text{\gamma_33}\)		
SAMPLE LD. LAB No:	FIELD 418.1 CALCULATIONS WEIGHT (g) ML. FREON DILUTION READING CA	ALC ppm
58@ 9' 1124	10,0 20.0 10 384	
SCALE		
	1	
0 5 10FT PIT PERIMETER	OVM RESULTS PI7	PROFILE
	SAMPLE FIELD HEADSPACE ID PID (ppm)	
PHCS COA	1 NSOS 669 2 ES OS 535	
	355 <u>e</u> 7' 409 4wses' 328	
	55869' 557	4
	1	
2		
	LAB SAMPLES	
SURFACE 3		
TO, Wal		
TRANSI NOTES		
TRAVEL NOTES: CALLOUT: 9-12-44	ONSITE: 9-12-44	1000

Well Name: Well Site location:

Pit Type: Producing Formation:

Pit Category:

Horizontal Distance to Surface Water

Vicinity Groundwater Depth:

Pipkin P.O. #3
Unit A. Sec. 17, T27N, R10W
Separator Pit

Separator Pit Basin Dakota Non Vulnerable

> > 1000 ft. > 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 9 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

- Past production fluids were contained locally by a relatively shallow sandstone bedrock located 9 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.
- 2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
- Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
- Well site located within the <u>non-vulnerable area</u> and is approximately 0.03 miles northeast of the nearest vulnerable area boundary (East Fork Kutz wash).

(Refer to <u>East Fork Kutz Canyon Quadrangle</u>, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), provisional edition 1985, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface lateral impact from the earthen pit is very limited and that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

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:

SB @ 9'

Project Location: Laboratory Number:

P.O. Pipkin 3 TPH-1124

Project #:

Date Analyzed:

9-12-94

Date Reported:

9-12-94

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	7,700	100

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg

440

Duplicate TPH mg/kg

% *Diff.

450

*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 - B0083

R. E. O'Yed Analyst

Melson Vile

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

Field TPH-Worksheet

Max Characters:

Project Location:

Client:

Amoco

Sample ID:

SB @ 9'

P.O. Pipkin 3 TPH-1124

Project #:

Date Analyzed: 9-12-94 Date Reported: 9-12-94 Sample Matrix: Soil

Laboratory Number:

Sample Weight:

Volume Freon:

Dilution Factor: TPH Reading:

10.00 grams

20.00 mL

10 (unitless) 384 mg/kg

TPH Result:

Reported TPH Result: Actual Detection Limit: Reported Detection Limit 7680.0 mg/kg

7700.0 mg/kg 100.0 mg/kg

100 mg/kg

QA/QC:

Original

TPH mg/kg

Duplicate TPH mg/kg

% Diff.

440

450

2

Comments:

Comments:

Separator Pit - B0083

CLIENT: A MO 60 P.O. BOX	AGG ENGINEERING, INC. 87. BLOOMFIELD, NM 87413 (505) 632-1199	C.D.C. NO: AMUL
FIELD REPORT: LANDFA	ARM/COMPOST PILE CLOSURE	
LOCATION: P.O. PIPKIN # 3	PITS:	DATE STARTED: 1-24-96 DATE FINISHED:
QUAD/UNIT: A SEC: 1 / TWP: 2 / NO	RNG: 10 W BM: HM CNTY: SJ ST: NM CONTRACTOR: Ef C	ENVIRONMENTAL PEO
SOIL REMEDIATION:		_
REMEDIATION SYSTEM:CO	MPOST APPROX. CUBIC Y	/ARDAGE: 1500
LAND USE: RANGE	LEASE: SF-0	77875
FIELD NOTES & REMARKS:, AV DEPTH TO GROUNDWATER: 200 NEAREST NMOCD RANKING SCORE: 200 NMOCD T SOIL GUSISTS OF MOST, BROW	WATER SOURCE: 71000 NEAREST SURFACE PH CLOSURE STD: 500 PPM N, SILTY SAU - NO STAW / OBOR	E WATER: >1000
PILE HAS BEEN RECENTLY THE		
composite sample collected	•	
SAMPLE I.D LAB No:	FIELD 418.1 CALCULATIONS WEIGHT (g) ML FRECN DILUTION READING CAL	CLOSE COMPOST PILE
SKETCH/SAMPLE LOCATIONS - 1 N SEP.	SAMPLE FIELD HE PID (ADSPACE
WELL X X X X X X X X X X PILE	SCALE COMP. A 80	ALYSIS ND
TRAVEL NOTES: CALLOUT:	1-96 ONSITE: 1-24-96	0 9 30 FORM REVISED 7/95



TOTAL VOLATILE PETROLEUM HYDROCARBONS Gasoline Range Organics

Blagg Engineering, Inc.

Project ID:

Amoco/P.O. Pipkin 3

01/29/96

Sample Matrix:

Soil

Report Date:
Date Sampled:

01/24/96

Preservative: Cool Condition: Intact

Date Received: Date Extracted: 01/25/96 01/25/96

Date Analyzed:

01/27/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp A Compost Pile	2501	ND	18.1

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

% Recovery

Acceptance Limits

Trifluorotoluene

87%

50 - 150%

Durch

Reference:

Method for the Determination of Gasoline Range Organics,

State of Tennessee, Department of Environment and Conservation, Division

of Underground Storage Tanks.

Comments:

Review



TOTAL RECOVERABLE PETROLEUM HYDROCARBONS **Diesel Range Organics**

Blagg Engineering, Inc.

Project ID: Sample Matrix: Amoco/P.O. Pipkin 3

Report Date:

01/29/96

Preservative:

Soil Cool Date Sampled: Date Received: 01/24/96 01/25/96

Condition: Intact

Date Extracted:

01/25/96

Date Analyzed:

01/26/96

Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Comp A Compost Pile	2501	ND	15.2

ND- Analyte not detected at the stated detection limit.

Quality Control:

Surrogate o - Terphenyl % Recovery 104%

Acceptance Limits

50 - 150%

Reference:

EPA Method 8015A, modified. "Nonhalogenated Volatile Organics by Gas

Chromatography." Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods, SW-846, 3rd Ed, Final Update I, July, 1992. USEPA.

Comments:

Quip Pht

Please Fill Out Thoroughly. White/Yellow: Analytica Pink: Client Shaded areas for lab use only. COMMENTS 100) PRES! Other (specify): METALS Date RCRA Metals TCLP (1311) RCRA Metals (Total) Priority Pollutants Relinquished By: Received By: Other (specify): WATER ANALYSES Oil and Grease Company: Nutrients: NH4+ / NO2- / NO3- / TKN Solids: TDS / TSS / SS 1-25-94 **CHAIN OF CUSTODY** BOD / Fecal / Total Coliform 4510 Time: Date Specific Anions (specify): Specific Cations (specify): Cation / Anion Relinquished By: Other (specify): Received By: r, to TCLP Extraction tzg Company: Signature Signature Company: Polynuclear Aromatic Hydrocarbons (8100) ORGANIC ANALYSES Base / Neutral / Acid GC/MS (625 / 8270) 91.77.1 Volatiles GC/MS (624 / 8240 / 8260) Herbicides (615 / 8150) Time: ë Chlorinated Pesticides / PCBs (608 / 8080) SDWA Volatiles (502.1 / 503.1) P. 9. Oriold Chlorinated Hydrocarbons (8010) Aromatic HCs BTEX/MTBE (602 / 8020) Sampled By: Required Turnaround Time (Prior Authorization Required for Rush) Received By: Gasoline (GRO) BEI Company: Gasoline / Diesel (mod. 8015) Signature Company: Petroleum Hydrocarbons (418.1) ab O Custody Seals: Y / N / NA BIAGG ENGE 632-1199 Sample Receipt P.O. BOX SAME ENVIRONMENTAL VABORATORY 807 S. CARLTON • FARMINGTON, NM 87401 • (505) 326-2395 Matrix 3 Received Intact: No. Containers: Received Cold: 1-24-96 0940 Time PROJECT MANAGER: Date クンと Analytica Lab I.D.: Project Information Proj. Name: A.O. PIPhtw Amo Co PILE Sample ID Company: Company: COMP. Shipped Via: Comport Address: Address: Phone: Bill To: Proj. #: P. O. No: Fax:

CLIENT AMOCO BLAGG ENGINEERING, INC. LOCATION NO. BOOK
P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 C.D.C. ND
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
LOCATION: NAME: PO PIPKIN WELL #: 3 PITS: BLOW SEP DATE STARTED: 12/2/9" DATE FINISHED:
QUAD/UNIT: A SEC: 17 TWP: 2 TA RNG: 100 PM: () M CNTY: SJ ST: NM OTR/FOOTAGE NELY SELY CONTRACTOR: EPC SPECIALIST: NU
SOIL REMEDIATION:
REMEDIATION SYSTEM: COMPOSITED APPROX. CUBIC YARDAGE: 1450-1500 LAND USE: RANGE LEASE: SF-077875
FIELD NOTES & REMARKS No DEPTH TO GROUNDWATER SOURCE: 2/000 NEAREST SURFACE WATER: 2/000 PAREST SURFACE WATER: 2/0
NMOCD PANKING SCORE: 20 7 NMOCD TPH CLOSURE STD: 200 PPM
CENTER OF ERSTERN STOCKPILE CONTRING DX. GRAY TO BLACK DISCULL SOIL & NORTHELD MUST END & SOUTH HALF, (W) STRONG HC ODOR COLLECTED SAMPLE MOSTLY & STOCKPILE SURFACE (LABELED SC-SURF) TO DETERMINE IF MOD. YELL. BROWN FANDY MATERIAL WOULD PASS (FAILED OUM, THEREFORE NO FIELD 4/8.1 WAS RAN). FIELD 418.1 CALCULATIONS
SC-WI SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm STOCKPILE 5C-WI 191-1305 5 70:1 73 2 920
TAKEN TO 5C-W1 191-1305 5 20 10:1 73 2,920
P.O. P1 PKN N 7 1
FILL DIRT IN
SWETT LOCATIONS
SKETCH/SAMPLE LOCATIONS OVM RESULTS OVM RESULTS
SAMPLE FIELD HEADSPACE PID (ppm)
SC-EI SC-NI 104.7
SC-WI 86.0 5C-SURF 240.7
SOLIO CIRCLES MIDIENTE TRANCE DIS. LAB SAMPLES
SAMPLE ANALYSIS
SCALE SCALE
TO SO FT

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

SC - W1

Project #:
Date Analyzed:

12-02-94

Sample ID: Project Location:

P.O. Pipkin 3

Date Reported:

12-02-94

Laboratory Number:

TPH-1305

Sample Matrix:

Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,900	200

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample	Duplicate	%
TPH mg/kg	TPH mg/kg	*Diff.
		-
2640	2640	0.00

^{*}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:

Stockpile Composite - B0083

Analyst

Review

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Client: Amoco Project #:

Sample ID: SC - W1 Date Analyzed: 12-02-94
Project Location: P.O. Pipkin 3 Date Reported: 12-02-94

Laboratory Number: TPH-1305 Sample Matrix: Soil

Sample Weight: 5.00 grams Volume Freon: 20.00 mL

Dilution Factor: 10 (unitless) TPH Reading: 73 mg/kg

TPH Result: 2920.0 mg/kg
Reported TPH Result: 2900 mg/kg
Actual Detection Limit: 200.0 mg/kg
Reported Detection Limit: 200 mg/kg

QA/QC: Original Duplicate %

TPH mg/kg TPH mg/kg Diff.

----2640 2640 0.00

Comments: Stockpile Composite - B0083