Sep pit
risk nonvulnerable
C4180

District I
P O Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

PIT REMEDIATION AND CLOSURE REPORT

Denied 1/15/97 due BTEX and TPH

Operator: Amoco Production Company **Telephone:** (505) 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: SKELLY GC #1
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 32 T 29N R 10W County SAN JUAN

Pit Type: Separator X Dehydrator ___ Other ___

Land Type: BLM X, State ___, Fee ___, Other ___

t Location: (Attach diagram)
Pit dimensions: length 35', width 50', depth 29'
Reference: wellhead X, other ___
Footage from reference: 180'
Direction from reference: 23 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)	0 10 0
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)	0
stance 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)	0 10 0
RANKING SCORE (TOTAL POINTS):		20

Date Remediation Started: _____ **Date Completed:** 5/4/94

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards 1900

Landfarmed X Insitu Bioremediation ___

Other _____

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) Onsite X Offsite _____

General Description Of Remedial Action: RISK ASSESSED.

Ground Water Encountered: No X Yes ___ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location REFER TO "CLOSURE VERIFICATION" SHEET

Sample depth 29'

Sample date 5-4-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 768

TPH 304 ppm

Ground Water Sample: Yes ___ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/6/94

SIGNATURE B J Shaw

PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

F 26

Lease # SF-94000109

CLIENT: Amoco

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT NO: C4986

C.O.C. NO: 3568

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: LEASE: Skelly GC WELL #: 1 PIT: S&P.

UNIT: A SEC: 32 TWP: 29N RNG: 10W BM: NM CNTY: SJ ST: NM

CONTRACTOR: P. Velasquez

DATE STARTED: 5/4/94

DATE FINISHED: 5/4/94

ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: EXCAVATION APPROX. 35 FT. x 50 FT. x 29 FT. DEEP.

DISPOSAL FACILITY: land farmed onsite

LAND USE: range

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FEET S23°W FROM WELLHEAD.

DEPTH TO GROUNDWATER: ~~50-100~~ >100 NM NEAREST SURFACE WATER: ~~<1000~~ >1000 NM NEAREST WATER SOURCE: >1000

NMOCD RANKING SCORE: ~~20~~ 0 NM NMOCD TPH CLOSURE STD: ~~100~~ 5000 NM PPM

SOIL AND EXCAVATION DESCRIPTION:

~~RSK ASSESSED~~ NM

collected lab samp for TPH (418.1) @ 29' time: 1520

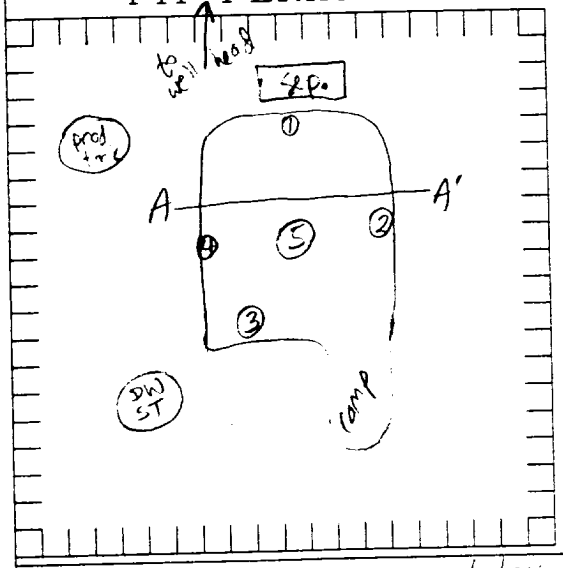
FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

0 FEET

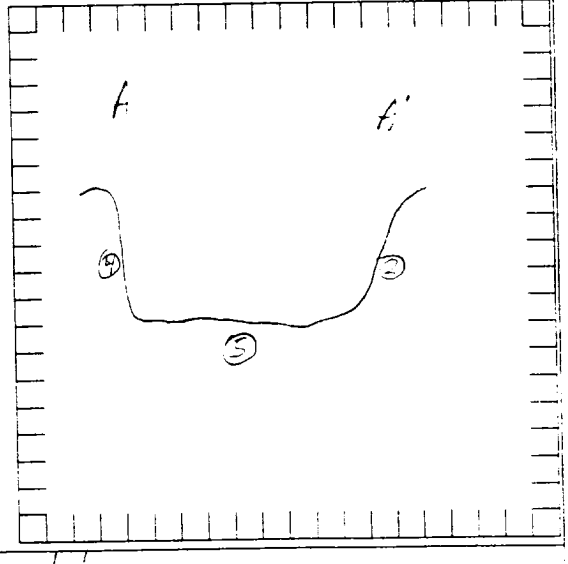
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
① @ 23'	143
② @ 23'	1.0
③ @ 22'	1.0
④ @ 23'	777
⑤ @ 24'	768

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/4/94 ONSITE: 5/4/94

Well Name:	**Skelly GC #1**
Well Site location:	Unit A, Sec. 32, T29N, R10W
Pit Type:	Separator Pit
Producing Formation:	Basin Dakota
Pit Category:	Non Vulnerable
Horizontal Distance to Surface Water:	> 1000 ft.
Vicinity Groundwater Depth:	> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit at 29 ft. below grade and for safety concerns (underground piping and surface equipment).

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

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).

2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.

3. 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.

4. Well site located within the **non-vulnerable area** and is approximately 0.11 miles east of the nearest vulnerable area boundary (Creighton Canyon wash).

(Refer to Bloomfield Quadrangle, 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 vertical and lateral impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 29'	Date Sampled:	05-04-94
Laboratory Number:	7353	Date Received:	05-05-94
Sample Matrix:	Soil	Date Analyzed:	05-09-94
Preservative:	Cool	Date Reported:	05-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	304	10.0

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Skelly GC #1 Separator Pit C4986

Analyst

Review

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CHAIN OF CUSTODY RECORD

C4986

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
AMOCO 92140	SEP. PIT SKELLY GC #1	
Sampler: (Signature) Nelson Velez	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (418.1)						Remarks
(5) @ 29'	5/4/94	1520	7353	SOIL	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	5/5/94	0720	Sherri L. Anderson	5-5-94	0720
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: C4986
C.O.C. NO: 5619

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: SKELLY GC WELL #: 1 PITS: SEP
QUAD/UNIT: (A) SEC: 32 TWP: 29 N RNG: 10 W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NE/4 NE/4 CONTRACTOR: P & S

DATE STARTED: 11-24-97
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV/ET

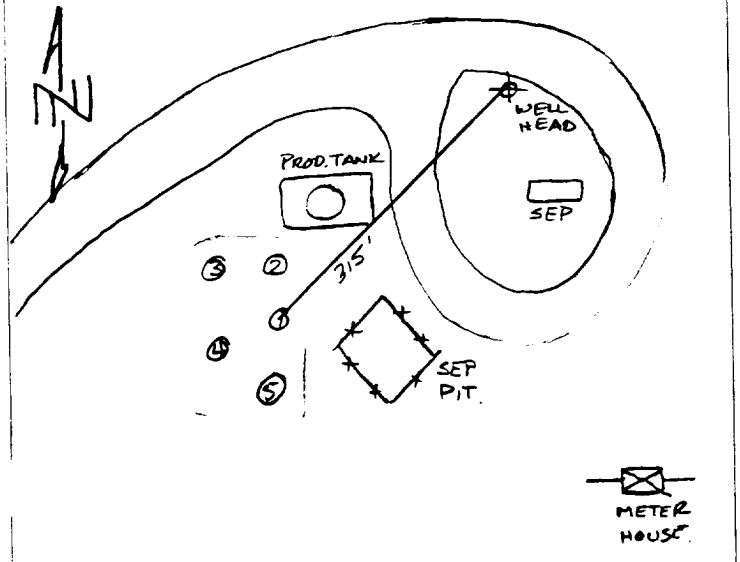
SOIL REMEDIATION:
REMEDIATION SYSTEM: LAND FARM
APPROX. CUBIC YARDAGE: 1,900
LAND USE: RANGE
LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:
DEPTH TO GROUNDWATER: < 100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: <1000'
NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD: 100 PPM
SOIL IS A DARK YELLOW W/ DARK BROWN SILTY SAND DRY
NO STAIN OR HC ODOR
TOOK 5PT COMPOSITE SAMPLE FOR LAB ANALYSIS
NO ACTUAL LANDFARM OBSERVED ON WELL SITE.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	8015	1040	ND

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 11-24-97 1040

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-03-97
Laboratory Number:	C591	Date Sampled:	11-24-97
Chain of Custody No:	5619	Date Received:	11-26-97
Sample Matrix:	Soil	Date Extracted:	11-26-97
Preservative:	Cool	Date Analyzed:	12-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Skelly GC #1 Landfarm. 5 Pt. Composite.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

5619

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
BLAGG / Amoco	LANDFARM SKELLY GC #1	
Sampler: (Signature) Ed Powers	Chain of Custody Tape No. 04034-10	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)						Remarks
												PRESERV. - COOL
LF-1	11/24/97	1040	C591	SOIL	1	✓						5 PT. COMPOSITE
				SAMPLES RECEIVED COOL & INTACT DLH 9/V								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Powers	11/26/97	0760	Nelson Velez	11/26/97	0700
Relinquished by: (Signature) Nelson Velez	11/26/97	0944	Received by: (Signature) Dawn L. Ogburn	11-26-97	0944
Relinquished by: (Signature)			Received by: (Signature)		

Ref COC's 5616 → 5628

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615