PO Box 1980, Hobbs, NM Energy, Minerals and Natural Resources Department

District II () Tourist

P.O. Drawer DD, Arrise, NM 88211 District I Distribity the & GAS INSPECTOR OIL CONSERVATION DIVISION 1000 Rio Brazos Rd, Azzec, NM 87410 P.O. Box 2088

- >

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

Santa Fe, New Mexico 87504-2088

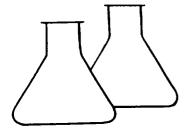
PIT REMEDIATION AND CLOSURE REPORT			
AND VOUCE	A0017		
Operator: Amoco Production Company	Telephone: (505) - 326-9200		
Address: 200 Amoco Court, Farming	ton, New Mexico 87401		
Facility Or: Daum LS 4 Well Name			
Location: Unit or Qtr/Qtr Sec	sec 32 T 28N R 9W County San Juan		
Pit Type: Separator Dehydrator	other production		
Land Type: BLM /, State, Fee _	, Other		
Pit Location: Pit dimensions: leng	th 12', width 14', depth 4'		
(Attach diagram) Reference: wellhead_	✓, other		
Footage from referenc	e: <u>175</u>		
Direction from refere	nce: 20 Degrees East North		
	of West South		
Depth To Ground Water: (Vertical distance from contaminants to seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)		
high water elevation of ground water)	oreater than 100 reet (0 Formes)		
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	Data Completed: 5/18/94
Remediation Method: (Check all appropriate	Excavation Approx. cubic yards 25
sections)	Landfarmed Insitu Bioremediation
	Other
	(-
Remediation Location (ie. landfarmed onsite, name and location of	n: Onsite Offsite
offsite facility)	
	Of Remedial Action:
Excavation)n
Ground Water Encount	tered: No Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location see Attached Documents
attach sample results and diagram of sample locations and depths)	Sample depth 4'
(depting)	Sample date 5/18/94 Sample time 1220
	Sample Results
	Benzene(ppm) 0.034
	Total BTEX(ppm) 10.725
	Field headspace(ppm) 564
•)	TPH 590 ppm
Cround makes a	()
	Yes No (If yes, attach sample results)
I HEREBY CERTIFY THAT OF MY KNOWLEDGE AND I	T THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 5/18/94	
SIGNATURE BASh	and TITLE Environmental Consideration
	ENVIRONMENTAL Conciliante

ί

,	res	ults copied	to John	ny 5/	25/94		leas	c [#] Si	F-0783	29 deu	6070'
	CLIENT: Amoc	0		ENVIR	OTECH	Inc.				NO: A	
	- -		5796 U	S HWY. 6- (505)	4, FARMING 632-0615	TON, N	1 87401		C.II.C.	NO: <u>36</u>	41
	FIELD	REPORT:	CLOS	URE V	ERIFIC	ATION				92140 o: <u>1</u> of	
1090'FNL 2240'F5	LOCATION: LEAS UNIT: B SE CONTRACTOR: _	EC: 32 TWP: 2		WELL #:		ry: SJ		m º	NATE STARTE NATE FINISHE NVIRONMENT PECIALIST:	D: <u>5/</u> 18	गृबप्
-	SOIL REMEDIATI		TION APP	ROX	12 FT.	x _/^	<u> </u>				<u>—</u> Р.
		LAND U	SE:(a/	ge			·	-	=		
	FIELD NOTES &	REMARKS: F	PIT LOCAT	ED APPR	DXIMATELY	y 175	S FEET	N 2	OW FR	20M WEL	LHEAD.
	NMOCD RANKING SCE									·.	
	SOIL AND EXCAN	VATION DESCRI	IPTION: W	ilt lightly mo	ist; slight	ly cohesi	· Ve ; non-y	olastic			
	(1) collecte	d below producti to excavate furth	ine - soil wa	es moist u	with black o	staloing			* . <u></u>	·	
	=	-			•	÷					
		SAMPLE LD. L	AB No: WE		CALCULAT		READING	CALC	oom.		
-				(9)			1.0.0.0	Oneo.	DD		1
			-								!
	SCALE	<u> </u>					!				
	o fer PIT F	ET PERIMETE	R		OVM SULTS	_	Р	IT I	PROFI	LE	
		r crod		SAMPLE 10 N De Z' E 120 2'	FIELD HEADSPACE PID (ppm) 536		1111			A'.	
	<u> </u>	A		5 3e 2' W (De 2' CB (S) 4'	97 336 564		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Π	
	- Conce J	-19'-1 					bera	્ ત્ર કુ			
	- surface	9 5 2 12	281 to deny		TPH (418.1) TEX (8020)		pit better			[4"	
	gradient										
		A' wel	Il head -				1 1 1 1			111	
	TRAVEL NOTES:	CALLOUT:	51.7/5	:;	ONSiT	E: 5	18/4		1 1 1		1 1 1



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

92140 Project #: Amoco Client: 05-18-94 Date Sampled: 5 @ 4' Sample ID: 05-18-94 Date Received: 7454 Laboratory Number: 05-20-94 Date Analyzed: Soil Sample Matrix: Date Reported: 05-20-94 Cool Preservative: Analysis Needed: TPH Cool and Intact Condition:

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	590	15.0

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

Method:

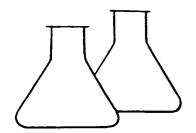
Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

Comments: Daum LS 4 Prod Pit A0017

Analyst

Review Journe



Envirotech Labs

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

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 4'	Date Reported:	05-19-94
Laboratory Number:	7454	Date Sampled:	05-18-94
Sample Matrix:	Soil	Date Received:	05-18-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed:	05-19-94
		Analysis Requested:	BTEX

Concentration (ug/Kg)	Limit (ug/Kg)
34	13.1
1,390	26.3
361	13.1
5,900	19.7
3,040	13.1
	(ug/Kg) 34 1,390 361 5,900

Parameter	Percent Recovery
Trifluorotoluene	98 %
Bromofluorobenzene	100 %
	Trifluorotoluene

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Daum LS 4 Production Pit A0017

Review Journe

.)

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

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

		A0017
Operator:	Amoco Production Company	Telephone: (505) - 326-9200
Address:	200 Amoco Court, Farmingt	con, New Mexico 87401
Facility Or:_ Well Name	Daum LS 4	
Location: Unit	or Qtr/Qtr Sec	sec 32 T28N R 9W County San Juan
J		Other
		, Other
Pit Location: (Attach diagram	Pit dimensions: leng Reference: wellhead	th ', width 16' , depth 10'
·	Footage from referenc	
	Direction from refere	nce: 16 Dogrand Fact Name
		nce: 16 Degrees East North of West South
Depth To Grou (Vertical distant		Less than 50 feet (20 points)
contaminants to high water elev- ground water)	seasonal	50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
domestic water	section Area: feet from a private source, or; less than all other water sources)	Yes (20 points) No (0 points)
(Horizontal dis	Surface Water: tance to perennial ivers, streams, creeks, ls and ditches)	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)

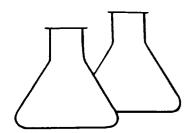
RANKING SCORE (TOTAL POINTS):

Date Remediation St	arted:	Date Completed: 5/18/94
Remediation Method: (Check all appropriate	Excavation	Approx. cubic yards 65
sections)	Landfarmed 🗸	Insitu Bioremediation
	Other	
	œ	
Remediation Locatio	n: Onsite Of	fsite
(ie. landfarmed onsite, name and location of offsite facility)		•
General Description	Of Remedial Actio	n:
Excavation	on	
	·	
Ground Water Encoun	tered: No <u></u>	Yes Depth
Final Pit: Closure Sampling:	Sample location	see Attached Documents
(if multiple samples, attach sample results		
and diagram of sample locations and depths)	<u> </u>	0'
and depens,	Sample dateS	/18/94 Sample time 1255
	Sample Results	
	Benzene(ppm)	ND
	Total BTEX(p	om) <u>0.187</u>
	Field headspa	ace(ppm) 202
	трн 169 рас	<u>n</u>
Ground Water Sample	You We	(If yes, attach sample results)
		/ (If yes, attach sample results)
I HEREBY CERTIFY THE	AT THE INFORMATION BELIEF	ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 5/18/94		
1 v1 · · · · · · · · · · · · · · · · ·		NAME Buddy D. Shaw E Environmental Consdinator

(

results copied	to Johny 5/25/94	lease = SF-078329 elar. 6070'
CLIENT: AMOCO	ENVIROTECH Inc.	PIT NO: <u>40017</u>
-	5796 US HWY. 64, FARMINGTON, NM (505) 632-0615	2/112
FIELD REPORT:	CLOSURE VERIFICATION	JOB No: 42'40 PAGE No: 1 of 1
UNIT: 6 SEC: 32 TWP: 28	WELL #: 4 PIT: dehu	ST: NM DATE FINISHED: Sile:
CONTRACTOR: EPC		ENVIRONMENTAL CLG,
SOIL REMEDIATION: EXCAVATION DISPOSAL FACILIT	ON APPROX. 11 FT. x 16 Y: brdfarmed a-site	FT. x <u>1</u> FT. DEEP.
LAND US	E: <u>(ange</u>	=======================================
FIELD NOTES & REMARKS: PI DEPTH TO GROUNDWATER: >/OO NEA	T LOCATED APPROXIMATELY 70 REST SURFACE WATER: >1000 NEA	FEET NIGW FROM WELLHEAD. REST WATER SOURCE: >1000
NMOCD RANKING SCORE:O NM	OCD TPH CLOSURE STD: 5000 PPM	
SOIL AND EXCAVATION DESCRIF dark yellow brown EPC believes another pit post) - this might explain	TION: Sound w/ silt; slightly moist; sl t may be located to the N/NE of the own reading for D	ightly robesive; non-postic this pit (due to Rence corner-
SCALE O FEET PIT PERIMETER A	FIELD 418.1 CALCULATIONS No: WEIGHT (g) ML. FREON DILUTION F OVM RESULTS SAMPLE FIELD HEADSPACE 10 PID (ppm) N 2 8' 238 E D 8' 3 SD 8' 1 A) 00 8' 25 CB DE 10' 202	PIT PROFILE A A' I
Rice A' to an head		
TRAVEL NOTES: CALL CLIT	SITIO. ONSITE S	· Z · · ·

1.00 000 000



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: Project #: Amoco 92140 5 @ 10' Date Sampled: Sample ID: 05-18-94 Laboratory Number: 7455 Date Received: 05-18-94 Soil Date Analyzed: Sample Matrix: 05-20-94 Preservative: Cool Date Reported: 05-20-94 Condition: Cool and Intact Analysis Needed: TPH

| Det. | Concentration | Limit | Parameter | (mg/kg) | (mg/kg) | ----- | Total Petroleum | Hydrocarbons | 169 | 15.0

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

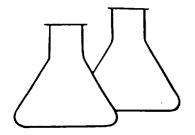
Waste, USEPA Storet No.4551, 1978

Comments: Daum LS 4 Dehy Pit A0017

Analyst

Tr los

 \cdot



Envirotech Labs

5796 US Highway 64-3014 • Farmington, New Mexico 87401 Phone: (505) 632-0615 • Fax: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 10′	Date Reported:	05-19-94
Laboratory Number:	7455	Date Sampled:	05-18-94
Sample Matrix:	Soil	Date Received:	05-18-94
Preservative:	Cool	Date Extracted:	05-19-94
Condition:	Cool & Intact	Date Analyzed: Analysis Requested:	05-19-94 BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.2
Toluene	122	26.4
Ethylbenzene	ND	13.2
p,m-Xylene	65	19.8
o-Xylene	ND ND	13.2

SURROGATE RECOVERIES: Parameter Percent Recovery
-----Trifluorotoluene 97 %
Bromofluorobenzene 100 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Daum LS 4 Dehydrator Pit A0017

Review D. Young

Analyst

)