District I P.O. Box 1980, Hobbes, NM

District II

State of New Mexico Energy, Minerals and Natural Resource Department

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Blow Pit-of waren SUBMIT 1 COPY TO **APPROPRIATE** DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE (Revised 3/9/94)

District III 1000 Rio Brazos Rd, Aztec, NM 87410

3.O. Drawer DD, Arteus, NM 88211

OIL CON. DIV.

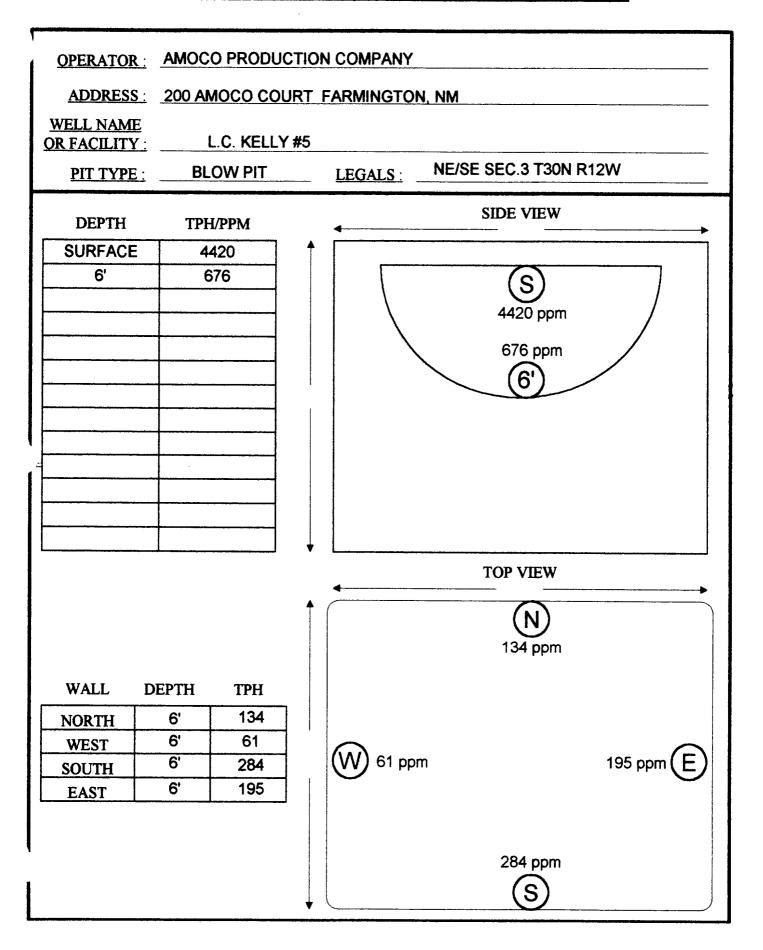
Denid 11/21/	196-BIEX results and C+	
Operator: AMOCO PRODUCTION COMPANY	,	Telephone: (505) 326-9219
Address: 200 AMOCO COURT, FARMINGTON,	NM 87401	
Facility Or: L.C. KELLY #5 Well Name	Sec 3	C SAN IIIAN
		Courty STATES
Pit Type: Separator Dehydrator		
Land Type: BLM XX State Fee	Other	
(Attach diagram)	•	6
Reference: wellh	ead X Other	See Attached
Footage from reference:	/397	
Direction from reference:	85 Degrees E	ast North
	,	of
	w	Vest South
		(0.0.1.1.)
Depth To Ground Water: (Vertical Distance from		(20 points)
contaminants to seasonal		(10 points)
high water elevation of ground water)	Greater than 100 feet	(0 points)
5		
Wellhead Protection Area:	Yes	(20 points)
(less than 200 feet from a private domestic water source, or, less than	No	(0 points)0
1000 feet from all other water sources)		
Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks,	200 feet to 1000 feet	(10 points)
irrigation canals and ditches)	Greater than 1000 feet	(0 points)0
	RANKING SCORE	(TOTAL POINTS):0

Date Remediation Started:	<u>06/17/94</u> Date Completed: <u>06/17/94</u>
Remediation Method:	Excavation XX Approx. cubic yards 555
	Landfarmed Insitu Bioremediation
	Other
	Other
Remediation Location: (ie. landfarmed onsite,	Onsite XX Offsite
name and location of offsite facility)	
General Description of Ren	nediation Action:
	REMEDIATED BY DILUTION AND AEIATION.
Ground Water Encountered	: No Yes Depth
Final Pit: Closure Sampling:	G. A. A. See Americal
(if multiple samples,	Sample location See Attached
attach sample results and diagram of sample	Sample depth6
locations and depths)	06/13/04
	Sample date Sample time
	Sample Results
	Benzene (ppm)
	Total BTEX (ppm)
	Field headspace (ppm)
	TPH676
Ground Water Sample:	Yes No _XX (If yes, attach sample results)
I HEREBY CERTIFY THA	T INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KN	
DATE // /- //-	951 Karianin II
DATE // /- //- SIGNATURE	Show PRINTED NAME AND TITLE COURDINATOR
	- CORDINATOR

Date Remediation Started:	06/17/94 Date Completed: 06/17/94
Remediation Method:	Excavation XX Approx. cubic yards 555
	Landfarmed Insitu Bioremediation
	Other
Remediation Location:	Onsite XX Offsite
(ie. landfarmed onsite, name and location of	
offsite facility)	nediation Action:
-	REMEDIATED BY DILUTION AND AEIATION.
CONTRACTOR WILL	
Ground Water Encountere	d: No Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location See Attached
attach sample results and diagram of sample	Sample depth 6
locations and depths)	Sample date <u>06/17/94</u> Sample time <u>10:00:00</u>
	Sample Results
	Benzene (ppm)
	Total BTEX (ppm)
	Field headspace (ppm)
	TPH676
Ground Water Sample:	Yes No _XX (If yes, attach sample results)
I HEREBY CERTIFY TH	AT INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY K	NOWLEDGE AND BELIEF
DATE // /-/	1-95 PRINTED NAME AND TITLE
SIGNATURE S	

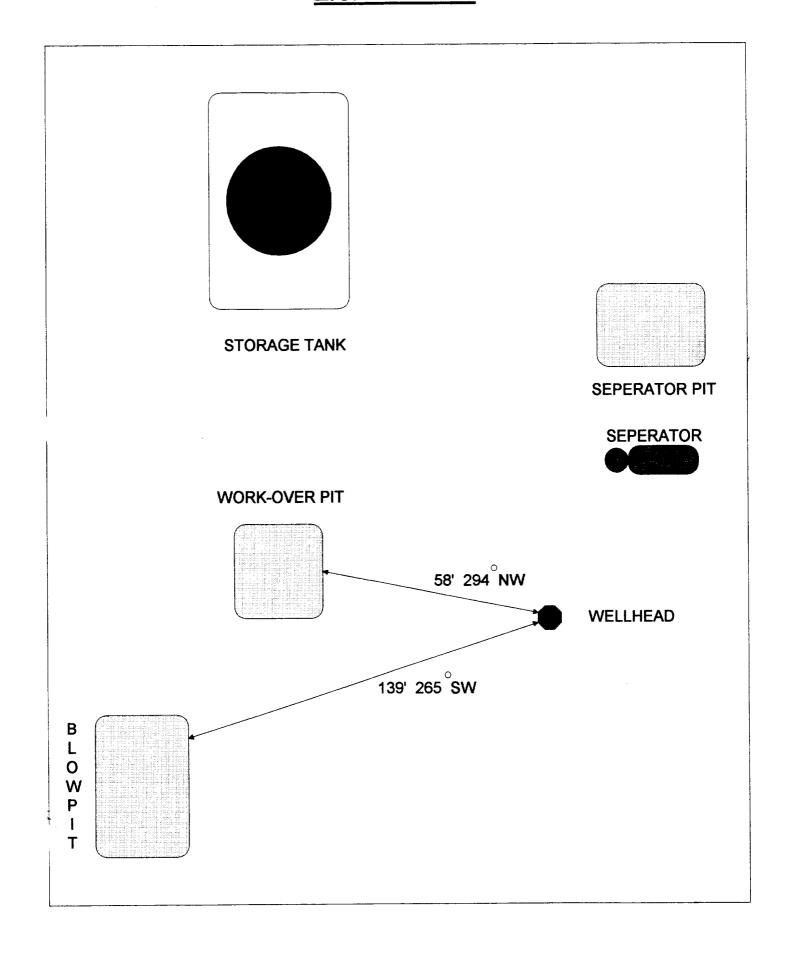
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FINAL PIT CLOSURE SAMPLING REPORT



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AMOCO PRODUCTION COMPANY L.C. KELLY #5



District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
Strict III
/ 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		
	L. C. HELLY #5			
Location: Unit	or Qtr/Qtr Sec Se	ec 3 T301 R 12W County SAN THAN		
Pit Type: Sep	arator Dehydrator O	ther Blow		
Land Type: B	LM_X_, State, Fee	, Other		
Pit Location: Pit dimensions: length 80', width 18', depth 17' Reference: wellhead X, other Footage from reference: 145 Direction from reference: 60 Degrees East North of X West South X				
Depth To Ground Water: (Vertical distance from 50 feet (20 points) contaminants to seasonal Greater than 100 feet (0 Points) high water elevation of ground water)				
domestic water s	ection Area: feet from a private source, or; less than all other water sources)	Yes (20 points) No (0 points) <u>O</u>		
	cance 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: 5-12-95
emediation Method:	Excavation X	Approx. cubic yards 900 - 1200
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation
	Other Comfost	
·		
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)	on: OnsiteOn	efsite X crouch mesh comfost
General Description	Of Remedial Action	on:
Excavati	on . BEDROCK B	ottom.
	·	
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	15
locations and depths)		Sample time
	Sample Results -	ADDITUME ATTICHES,
	Benzene(ppm)	<u> </u>
	Total BTEX(opm)
	Field heads	pace(ppm) <u>361</u>
	TPH 1490 P	
Ground Water Sample	: Yes No	$\underline{ imes}$ (If yes, attach sample results)
I HEREBY CERTIFY TH		N ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 8-8-95 SIGNATURE SS	PRINTEI AND TI	NAME Buddy D. Shawington TLE Environmental Coordinator

CLIENT: AMOCO	ENVIRONME 579 FARMI	VIROTECH INC. NTAL SCIENTISTS & ENGINEER S U.S. HIGHWAY 64-3014 NOTON, NEW MEXICO 87401 NONE: (505) 632-0615	ıs	LOCATION NO	1: <u>40118</u> 1: <u>4195</u> 4196
FIELD REPOR	el(-w Well		3low Down	PAGE No: DATE STARTED: DATE FINISHED:	5-9-15
QUAD/UNIT: NEW SEW SEC:		RACTOR: ENVIRO-		ENVIRONMENTAL SPECIALIST:	
LAND USE: Grazing	LEAS	E: Salaral	TION METHO	RMATION: No.	Face CIAMBOITO
FIELD NOTES & REMAR DEPTH TO GROUNDWATER: >10					
NMOCD RANKING SCORE:				CHECK ON	
SOIL AND EXCAVATIO				PIT ABANDON	1
D@ 15' 361 D@12' @@ 15' 938 @@ 5' 45.1	555 ppm Well	Souled Blue	GRAT Sillys	STEEL TANK	INSTALLED
30 12' - 15 ppm 30 15' - 537 ppm 40 17'-411 ppm 90 10' - 57.4 ppm	TIME SAMPLE I.D.		CALCULATIONS	UTON DEADING	
SCALE 5-11	16:35 2@ 15'	8487	g) mL. FREON DII	_UTION READING	IS7
5-12		8492			1490
0 FT PIT PERIME		OVM	Dim	PROFILE	
57 48' ilon 33: 2) 24' 30	SAMP 10 1 ° 2 3 @ 1 4 5	AB SAMPLES ANALYSIS TIME TFH 16:35 BTEX 16:35	S 19'	NOSTONE BED ROCK	N 12' overb D@12' D@15'-
TRAVEL NOTES: CALLOUT:		ONSITE:			
					PERM.



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	1 @ 15'	Date Reported:	05-12-95
Laboratory Number:	8492	Date Sampled:	05-12-95
Chain of Custody No:	4196	Date Received:	05-12-95
Sample Matrix:	Soil	Date Extracted:	05-12-95
Preservative:	Cool	Date Analyzed:	05-12-95
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1490	10.0

ND = Parameter not detected at the stated detection limit.

Method:

Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978.

Comments: A0118 - L.C. Kelly #5.

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Amoco 2 @ 15' 8487 4195 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	92140 05-12-95 05-11-95 05-11-95 05-12-95 TPH
condition:	Cool and incace	-	Det.

Parameter	Concentration (mg/kg)	Limit (mg/kg)
Total Petroleum Hydrocarbons	187	10.0

ND = Parameter not detected at the stated detection limit.

Method:

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

Waste, USEPA Storet No.4551, 1978.

Comments: A0118 - L.C. Kelly #5.

Analyet



EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	2 @ 15'	Date Reported:	05-12-95
Laboratory Number:	8487	Date Sampled:	05-11-95
Chain of Custody:	4195	Date Received:	05-11-95
Sample Matrix:	Soil	Date Analyzed:	05-11 - 95
Preservative:	Cool	Date Extracted:	05-11-95
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene Toluene	ND 36.5	13.3 20.0
Ethylbenzene	47.5	20.0
p,m-Xylene o-Xylene	346 171	39.9 20.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	116 %
	Bromofluorobenzene	105 %

Method 5030, Purge-and-Trap, Test Methods for Evaluating Method:

Solid Waste, SW-846, USEPA, Sept. 1986

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.

A0188 - L. C. Kelly #5. Comments:

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, Rio Brazos Rd, Aztec, NM \$7410

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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 Co	ompany Telephone: (505) - 326-9200
Address: 200 Amoco Court, Fa	armington, New Mexico 87401
Facility Or: L.C. HELLY *	±5
Location: Unit or Qtr/Qtr Sec	Sec 3 T30N R 12W County SAN JUAN
Pit Type: Separator χ Dehydrat	orOther
	Fee, Other
Reference: well Footage from ref	length 50', width 24', depth 15' head X, other erence: 130 eference: 0 Degrees East North X
<i>5113333.</i> 113 1	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 source	Yes (20 points) No (0 points)
Distance To Surface Water: Horizontal distance to perennial takes, 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:	5-5-95
emediation Method:		Approx. cubic yards	
(Check all appropriate		Insitu Bioremediation)
sections;			-
	Other	·	
			0
Remediation Location (ie. landfarmed onsite,	n: Onsite_/ Off	esite X Cloudy MESA Compost Facil	- Museo
name and location of offsite facility)		EDTIFUS / FRC/L	774.
	Of Remedial Action	n:	
		Tom.	
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'	
locations and depths)	Sample dateS		
	Sample Results		
	Benzene(ppm)	0.643	
	Total BTEX(p)		
		ace(ppm) 1235	
	TPH 2590 P		
	1111 <u> </u>	· ·	
Ground Water Sample	Yes No _	$\frac{X}{X}$ (If yes, attach sample	results)
)F MY KNOWLEDGE AND	BELIEF	ABOVE IS TRUE AND COMPLET	TE TO THE BEST
DATE 8-8-95 5/23	198 GIL DELIMED	NAME RULL DS	Laul
SIGNATURE BAS	haw AND TIT	NAME Buddy D. S LE Environmental	Poordinator

	•						
CLIENT: AMOCO		Envirotec	H INC.		LOCA	NOITA	A0118
	ENV	TRONMENTAL SCIENTIST 5796 U.S. HIGHWAY	S & ENGINEERS			רחר או	: 4177
		FARMINGTON, NEW MI PHONE: (505) 63	EXICO 87401				
FIELD REPOR'	Γ: CLO	SURE V	ERIFIC	CATION	PAGE	No:	1 of 1
LOCATION: NAME: LC K	elly	WELL #: 5	PIT: S	φ,			5-2-95
QUAD/UNIT: I SEC: C	S TWP: 30	RNG: 12 PM	: NM CNT	Y: SJ ST: A	<u> </u>		5-5-95
QTR/FOOTAGE:		CONTRACTOR:	ENVIRONE	CH		NMENTAL LIST:	HMB
EXCAVATION APPROX. 24 DISPOSAL FACILITY: FP LAND USE:	2 / On-3		REMEDIATI	ON METH	IOD: <u>L</u>	DAGE: _ ANDFA! ON:	<u> </u>
FIELD NOTES & REMARK	(S: PIT LOC	ATED APPROXI	MATELY _	30 FT.	Noeth	_ FROM	WELLHEAD.
DEPTH TO GROUNDWATER: >100							1
NMOCD RANKING SCORE:	NMOCD TPH C	LOSURE STD: 50	OO PPM		CHE	CK DN	Ē.
SOIL AND EXCAVATION				-	× PIT	ABANDON	IED
TAN SILTY SAUD to				L	STEE	L TANK	INSTALLED
		0 1/ 1/5 -	(Exc	avation	TERMINATE
Bedrock-Yellow S	danos tone (15' SWEN	D OF EXCAV	ed; on	47	West	AND South
16 11, 23.8		strong	muse la c karj	Offer.	Du	E To pr	come e of
1@16' 1304 * 26@8' 18 ppm (AFTER AD)	nermust Excaval	(m)					. HUD BLRIER
		,			h	epine.	
ſ	TIME SAMPLI		LD 418.1 CA WEIGHT (g)		DULITION	BEADING	CALC
COALE	TIME SAMPLI	E I.D. LAB NO.	WEIGHT (g)	IIIL. TREON	DILOTION	READING	CALC. ppiii
SCALE							
0 FT							
PIT PERIME	TER	OVM		יוק	PR	OFILE	
(RESULT SAMPLE FIELD	S HEADSPACE			<u> </u>	
	8 1	ID PIL	(ppm)				
	1 3		PPM	J			
5	1 4	@ 91 123:	5 PPM	Tu:			
SEPARATOR (4' (7)	1	@ 15' 1278	3 PPM.			(
Badens	8			1 5.	∆ E .		
, 7 -				15'B) H.	(•OL •+	② ②)b
Burien 10				•	Badá ocic		
		LAB SAMPLE ANALYSIS	ES TIME	4			
11 1577	TPA 4	@9' 2590p			Not conf		
i^j		· ·			SED ROCK		
	BTEX 4	Q9' 13908pp	b 16:30				/
TRAVEL NOTES:	5-2-95	15:00	17:	30			
CALLOUT:	5-3-95 3-5-15	15:00	NSITE:	\$ D 4 <			COND.



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	4 @ 9'	Date Reported:	05-03-95
Laboratory Number:	8447	Date Sampled:	05-02-95
Chain of Custody No:	4177	Date Received:	05-02-95
Sample Matrix:	Soil	Date Extracted:	05-03-95
Preservative:	Cool	Date Analyzed:	05-03-95
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	2590	15.0

ND = Parameter not detected at the stated detection limit.

Method: Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978.

Comments: A0118 - L. C. Kelly #5 Separator Pit.

Analyst



EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	4 @ 9'	Date Reported:	05-03-95
Laboratory Number:	8447	Date Sampled:	05-02-95
Chain of Custody:	4177	Date Received:	05-02-95
Sample Matrix:	Soil	Date Analyzed:	05-03-95
Preservative:	Cool	Date Extracted:	05-03-95
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
_		
Parameter	(ug/Kg)	(ug/Kg)
Benzene	643	13.2
Toluene	665	13.2
Ethylbenzene	4050	26.4
p,m-Xylene	6320	26.4
o-Xylene	2230	19.8

SURROGATE	RECOVERIES:	Parameter	Percent R	ecovery	7
					•
		Trifluorotoluene		93	ક્ષ
		Bromofluorobenzene		94	૪

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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: A0118 - L. C. Kelly #5 Separato, Pit.

lalyst

CHAIN OF CUSTODY RECORD

		riojeci cocanon									
		L.C. Rally #5		8110-y			AÑ	ANALYSIS/PARAMETERS	ETERS		 .
Sampler (Signature)	\(\int_{\int_{i}}^{\text{x}}\)	Chain of Custody Tape No.	s No.		fo sneni	1.5	0.5			Remarks	
Sample No./ Sample Identification Date	le Sample Time	Lab Number	SS ₹	Sample Matrix	No. Contai	3127	89				
Q @ 15' 5-12-95	75 11:45	26/18	So?();	-	7	7		77-	AR	
							4		NO K	OK TO RUM 418.	8.
									5.	5-12-95 13	13:18
								-			20
									90	QC verification	{
										1004- Bill-fle	ال
Refinquished by: (Signature)		Λ 10	Date 5-42-95 (Time Rec	Received by: (Signature)	gnature)				Date 5-8-7	a to
Relinquished by: (Signature)					Received by: (Signature)	gnature)				\	
Relinquished by: (Signature)				& &	Received by: (Signature)	gnature)					
			ENT 5796 Farming	ENVIROTECH INC. 5796 U.S. Highway 64:3014 Farmington, New Mexico 87401 (505) 632-0615	H INC. y 64-3014 xxico 8740 i15	1	·			ean juan repro Form S78-£1	form 678-471

SYST Sample Somple Solid From Matrix Bute Time Time Received by: (Signature) ENVIROTECH INC. 5796 U.S. Highway 64-3014	Sample Lab Number Sample Some Some Sample Some Sample Some Some Some Sample Some Some Sample Some Sample	Sample Lab Number Sample Somple Consider to the Parties of the Par	Remarks	Date Time	
Ly # S / Tape No. Date S-(1-ξ) S-(1-ξ)	Project Location L.C., K.2014#5 Chain of Custody Tape No. Chain of Custody Tape No. Sample Lab Number Sample Lab Number Signature Signat	Sample Sample Lab Number Chain of Custody Tape No. Chain of Custody Tape N	A O ((B) ANALYSIS/PARAMETERS	08 3	Received by: (Signature) ENVIROTECH INC. 5796 U.S. Highway 64-3014
Project Location L.C., K.2R.y # Chain of Custody Tape SV87	Sample Lab Number Chain of Custody Tag Cha	Sample Sample Lab Number Sample Time Lab Number Street Chain of Custody Tay Street Sample Lab Number Street Sample Lab Number Street Street Street Sample Sample Lab Number Street Stree			ENVIROT 57% U.S. Hig
	Sample Time (%:35)	Sample Date	Project Location		

			O	CHAIN OF CUSTODY RECORD	TODY F	SECOF	Ö				
Client/Project Name			Project Location L.C. Kelly		ماه			ANALYSIS/PARAMETERS	AAMETERS		
Sampler: (Signature)			Chain of Custody Tape No.	No.	to senii		×Э		1	Remarks	
Sample No./ Sa Identification C	Sample Date	Sample Time	Lab Number	Sample Matrix	ON BinoO	817	TSI				1 1
A-0117 F.G.T. S.	56-2-5	13:50	SH48	5017	_	\				FIBERGLASS	۱ ۱ م
A-011 5.T 5-	56-2-5	14:30	27The	S01L		\				STEEL T	
\$4.	5-2-8	16:30	2447	5010	-	7	7			Separator PIT	40 Y
										·	
Relinquished by: (Signature)				Date Time	Received by: (Signature)	(Signature	(Date	Time
- LOCAL BANK	1	^		5-275 17:50	مح	H	JY	Jana Jana		5-2-95	1730
Relinquished by: (Signature)					Received by: (Signature)	: (Signature					
Relinquished by: (Signature)					Received by: (Signature)	: (Signature	(
				ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615	IROTECH IN J.S. Highway 64-30 on, New Mexico ε (505) 632-0615	C. 114 37401				•	sen juan repro Form 578-81

District I P.O. Box 1980, Hobbes, NM

State of New Mexico Energy, Minerals and Natural Resource Department

District II

P.O. Drawer DD, Arteus, NM 88211

<u>District III</u> 1000 Rio Brazos Rd, Aztec, NM 87410 OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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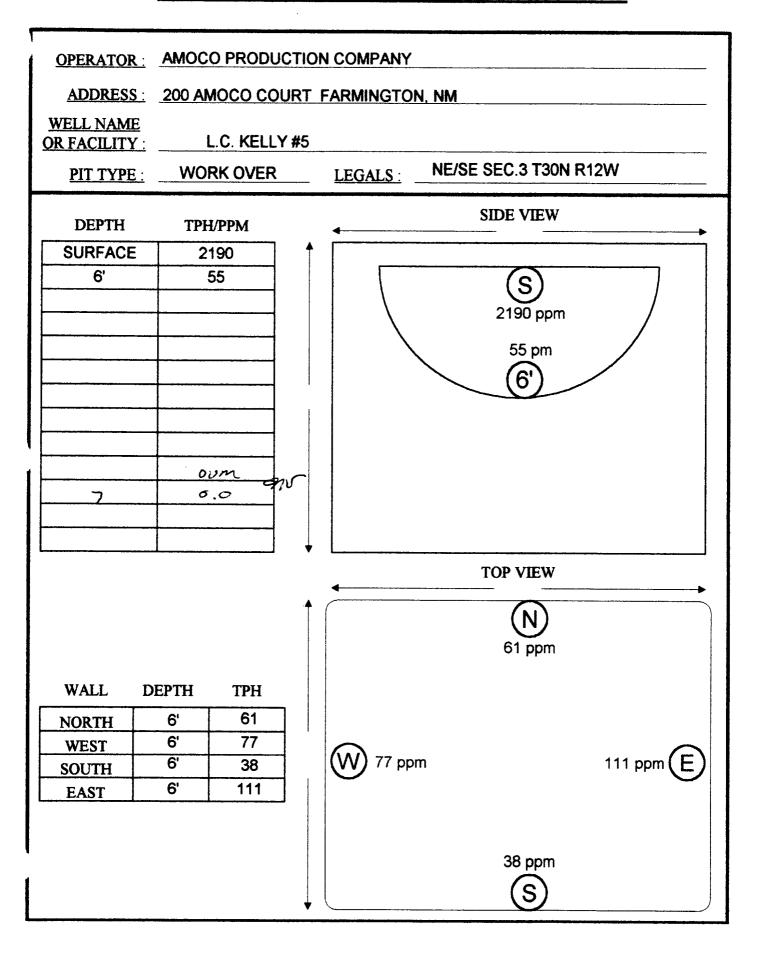
PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY		Telephone: (505) 326-9219
Address: 200 AMOCO COURT, FARMINGTON, NM 8	37401	
Facility Or: L.C. KELLY #5		
Well Name	20 12	CAN HIAN
Location: Unit or Qtr/Qtr Sec NE/SE Sec 3		County SAIN JUAIN
Pit Type: Separator Dehydrator	Other WORK OVER	
Land Type: BLM XX State Fee Fee	Other	
Pit Location: Pit dimensions: Length	15 width 15 depth	6
	Cther	See Attached
Footage from reference:	·8'	2
Direction from reference: 66	_ Degrees	East North X
	<u> </u>	of
	\times	West South
		
Depth To Ground Water:	Less than 50 feet	(20 points)
(Vertical Distance from	50 feet to 99 feet	(10 points)
contaminants to seasonal high water elevation of	Greater than 100 feet	(0 points)0
ground water)		
Wellhead Protection Area:	Yes	(20 points)
(less than 200 feet from a private domestic water source, or, less than	No	(0 points)0
1000 feet from all other water sources)		
Distance To Surface Water:	Less than 200 feet	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1000 feet	(0 points)0
, ,		
	RANKING SCORE	E (TOTAL POINTS): 0

Date Remediation Started:	
Remediation Method:	Excavation XX Approx. cubic yards 50
	Landfarmed Insitu Bioremediation
	Other
Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)	Onsite XX Offsite
General Description of Ren	nediation Action:
CONTAMINATION WAS	REMEDIATED BY DILUTION AND AERIATION.
Ground Water Encountered	l: No Yes Depth
Final Pit: Closure Sampling: (if multiple samples, attach sample results	Sample location See Attached
and diagram of sample	Sample depth6
locations and depths)	Sample date 06/17/94 Sample time 10:00:0
	Sample diffe
	Sample Results
	Benzene (ppm)
	Total BTEX (ppm)
	Field headspace (ppm) 0.0 @ 7' 11/20/97 97V
_	TPH55
Ground Water Sample:	Yes No _XX (If yes, attach sample results)
I HEREBY CERTIFY THA	T INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KN	IOWLEDGE AND BELIEF
DATE 11 - 11-	95 5/23/98 91V
SIGNATURE	95 5/23/98 900 PRINTED NAME ENVIRONMENTAL Shaw AND TITLE COORDINATOR

Date Remediation Started:	06/17/94 Date Completed: 06/17/94
Remediation Method:	Excavation XX Approx. cubic yards50
	Landfarmed Insitu Bioremediation Other
Remediation Location: (ie. landfarmed onsite, name and location of offsite facility)	Onsite XX Offsite
General Description of Ren	nediation Action:
CONTAMINATION WAS	REMEDIATED BY DILUTION AND AERIATION.
Ground Water Encountered	d: No Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location See Attached
attach sample results and diagram of sample	Sample depth6
locations and depths)	Sample date
	Sample Results
	Benzene (ppm)
	Field headspace (ppm) 0.0 @ 7' 11/20/97 97V
	TPH55
Ground Water Sample:	Yes No _XX (If yes, attach sample results)
I HEREBY CERTIFY TH	AT INFORMATION ABOVE IS TRUE AND COMPLETE
,	NOWLEDGE AND BELIEF
DATE 11-17-	95 5/23/98 9NV PAVIRONMENTAL
SIGNATURE (S)	Shaw PRINTED NAME ENVIRONMENTAL AND TITLE COORDINATOR

FINAL PIT CLOSURE SAMPLING REPORT



BLAGG ENGIN P.O. BOX 87, BLOO	MFIELD, NM 87413
FIELD REPORT: LANDFARM/COMPO	52-1100
LOCATION: NAME: 4.C. KELLY WELL #: 5	
QUAD/UNIT: I SEC: 3 TWP: 302 RNG: 12W P	M NM CNTY ST ST: NM
OTR/FOOTAGE: NE 14 SE 14 CONTRACTOR: W	
SOIL REMEDIATION:	APPROX. CUBIC YARDAGE: 50
REMEDIATION SYSTEM: DILLTON & AERTICA	LIFT DEPTH (ft):
LAND USE: RANGE	LIFT DEPIH (IC):
FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: _	>1000 NEAREST SURFACE WATER: >1000
	C000
C PIT CENTER MECHANING	" and the
THROUGHOUT ENTIRE BORING, CONTECTED SAMPLE	PTS. @ 2',4', +6' DEPTHS BELOW GRADE, COLLECTED HS BELOW GRADE) 5 PT. COMPOSITE COLLECTED
Z SOMPLE PTS. USING HOND ALGER (1-3 DEPT	ERATED SOIL PLACED BACK INTO EXCAUATED AREA.
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (CALCULATIONS g) ml. FREON DILUTION READING CALC. ppm
CIVERCIT (CAMPLE LOCATIONS	
SKETCH/SAMPLE LOCATIONS	
	THE CHAPTER
	OVM RESULTS LAB SAMPLES SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS
SEE SITE MAP	SAMPLE FIELD HEADSPACE ID SAMPLE ANALYSIS TIME RESULTS DA -1 O. O DA -1 (8015) [140 Z.3
	se 7' 0.0
	SCALE
	O FT
TRAVEL NOTES: CALLOUT:	ONSITE: 11/20/97



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-25-97
Laboratory Number:	C539	Date Sampled:	11-20-97
Chain of Custody No:	5565	Date Received:	11-21-97
Sample Matrix:	Soil	Date Extracted:	11-21-97
Preservative:	Cool	Date Analyzed:	11-24-97
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)	2.3	0.1
Total Petroleum Hydrocarbons	2.3	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:

L. C. Kelly # 5 Workover Pit. 5 Pt. Composite.

Deen L. Officer Analyst Stacy W Sendler
Review

Pef coc's 5564 > 5574	Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)					DA-1 1/2/2/11/10	Sample No./ Sample Sample Identification Date Time	1/ Mon VL	Sampler: (Signature)	OUTES/ MMOCO	Client/Project Name	
*45								c539	e Lab Number	gi-heaho	Chain of Custody Tape	L.C. KELLY	Project Location walkover PIT	Q
ENVIROTECH INC. 57% U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615			11/21/97 0904					5012	Sample Matrix	8		2# 1	ABUER PIT	CHAIN OF CUSTODY RECORD
TWBY 64-3014 7 Mexico 87401 2-0615	Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	Sample becerbed coals				\ \ 	11/80	do. of ntainers)		ANALYSIS/PARAMETERS	TODY RECORD
•			Date Time	Jahren Duf-				S AT. COMPOSITE	RESERV cool		Remarks			