P.O. Drawer (OD. Ancesse, NM 52211

DEPLITYION OF GAS INSPECTOR

Energy, Minerals and Natural Resources Department

P.O. Drawer (OD. Ancesse, NM 52211

DEPLITYION OIL CONSERVATION DIVISION 1000 Rio Brazos Rd. Azzec, NM 87410.

State of New Mexico

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

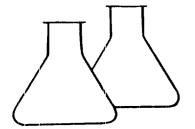
SUBMIT 1 COPY 5 APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Algorithms	· · ·	A0018
Operator:	Amoco Production Company	Telephone: (505) - 326-9200
· · · · · · · · · · · · · · · · · · ·	200 Amoco Court, Farmingto	n, New Mexico 87401
Facility Or:	Johnston LS 8	
		Sec 17 T28N R 9W County San Juan
	rator Dehydrator	
Land Type: BL	M, State, Fee	_, Other
Pit Location:		h 35', width 46', depth 15'
(Attach diagram)	Reference: wellhead	
	Footage from reference	
		ce: 6 Degrees East North
	DECEIVE	of <u>✓</u> West South <u>✓</u>
Depth To Groun (Vertical distance contaminants to a high water elevate ground water)	ce from DIST 3	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
domestic water so	ection Area: eet from a private ource, or; less than ll other water sources)	Yes (20 points) No (0 points)
N ,	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		Date Completed: 5/19/94
Remediation Method: (Check all appropriate	Excavation 🗸	Approx. cubic yards 894
sections)	Landfarmed 🗸	Insitu Bioremediation
	Other	
Remediation Location	n: Onsite /	Offsite
(ie. landfarmed onsite, name and location of		
offsite facility)		
General Description	Of Remedial Acti	on:
Excavati	on	
Ground Water Encoun	tered: No V	
	No V	Yes Depth
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents
attach sample results and diagram of sample	Sample denth	15'
1		19/94 Sample time
•		Sample time
	Sample Results	,
) ND NSOII'
•		ppm) 11.3 µs @11'
		pace(ppm) 15 web
	TPH	Pm EB@15'
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THAT	AT THE INFORMATION BELIEF	N ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 5/20/94		
SIGNATURE BASI	PRINTEI	NAME Buddy D. Shaw
	AND TI	Environmental Considerator

RESULTS TO JOHANY 6/1/94 PEU)ea	eev. \$# DM-04202 5878
CLIENT AMOCO ENVIROTECH Inc.	, 	PIT NO: <u>A0018</u>
5796 US HWY 64, FARMINGTON, (505) 632-0615	NM 87401	C.O.C. NO: <u>3649</u>
FIELD REPORT: CLOSURE VERIFICATIO	N	JOB NO: <u>92140</u> PAGE NO: <u>1</u> of <u>1</u>
LOCATION: LEASE: Johnston LS WELL #: 8 PIT: 4	J ST: NM	DATE STARTED: 5/19/04
CONTRACTOR: EPC		ENVIRONMENTAL CLG
SOIL REMEDIATION: EXCAVATION APPROX. 35 FT. x 1 DISPOSAL FACILITY: Jondfarmed on-site LAND USE: Cange	46 FT. x	FT. DEEP.
	n c	(*)
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY		
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM	NERRES! WHIER	SHURCE:
SOIL AND EVOAVATION DESCRIPTION		
prod. tank in bed firther execution	, ,	
colle dark yellow brown sand, slightly most, statily rossive, no	in passic	
SAMPLE I.D. LAB No: WEIGHT (g) ml. FREON DILUTI	ON READING CALC	C. ppm
SCALE		
PIT PERIMETER OVM	PIT	PROFILE
SAMPLE FIELD MEADSPACE ID FID (ppm)		
$\begin{array}{c c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$		
Trother S Dell 3	A	A' =
CB (30.15) 15	— - — _T	
35' 35' 35' 3FK TPH(U18.)	- 15.1	
0) - 60 BTEX 18020		
	<u> </u>	
T - 46'		<u></u>
' - A'		
	· 	
TRAVEL NOTES: CALLOUT: S/18/19/19 CAUSITE		
CALLOUT:ONSITE:	=/12/94	



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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Project #: 92140

Date Sampled: 05-19-94

Date Received: 05-20-94

Date Analyzed: 05-26-94

Date Reported: 05-26-94 Amoco Client: 5 @ 15' Sample ID: 7464 Laboratory Number: Soil Sample Matrix: Cool Preservative: Analysis Needed: TPH Cool and Intact Condition:

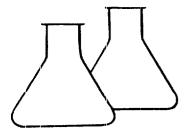
Det. Limit Concentration (mg/kg) (mg/kg) Parameter Total Petroleum 25.0 198 Hydrocarbons

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: Johnston LS 8 Prod Pit A0018



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:	1 @ 11'	Date Reported:	05-20-94
Laboratory Number:	7465	Date Sampled:	05-19-94
Sample Matrix:	Soil	Date Received:	05-20-94
Preservative:	Cool	Date Extracted:	05-20-94
Condition:	Cool & Intact	Date Analyzed:	05-20-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.6
Toluene	910	39.2
Ethylbenzene	720	19.6
p.m-Xylene	7,200	49.0
o-Xylene	2,480	29.4

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

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: Johnston LS 8 Production Pit A0018

Review

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

State of New Mexico Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY T 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

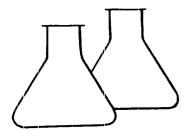
A0018

Telephone: (505) - 326-9200
on, New Mexico 87401
Sec 17 T 28N R 9W County Sen Juan
other blow
_, Other
th 14', width 15', depth 10'
e: 150 ace: 63 Degrees East North of West South
Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points)
Yes (20 points) No (0 points) <u>O</u>
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 Started: Remediation Method: Excavation Approx. cubic yards 78	
Remediation Method: Excavation Approx cubic wards 70	
(chack all annualists / o	
(Check all appropriate sections) Landfarmed / Insitu Bioremediation	-
Other	
Remediation Location: Onsite V Offsite	
Remediation Location: Onsite V Offsite (ie. landfarmed onsite, name and location of	
offsite facility)	
General Description Of Remedial Action:	
Excavation	
	•
Ground Water Encountered: No V Yes Depth	
Ground Water Encountered: No V Yes Depth	
	
Final Pit: Sample location see Attached Documents Closure Sampling:	
(if multiple samples,	
and diagram of sample Sample depth 0'	
Sample date 5/19/94 Sample time	
Sample Results	
Benzene(ppm)	
Total BTEX(ppm)	
Field headspace(ppm) 58	_
70 m	
11	
Ground Water Sample: Yes No (If yes, attach sample results)	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE OF MY KNOWLEDGE AND BELIEF	BEST
DATE 5/20/94 /	
SIGNATURE BAShaw PRINTED NAME Buddy D. Shawland Corrdina	tor

results apred to Johnny 5/31/94 lease #x	um-04202 clev. 5878
CLIENT: AMOCO ENVIROTECH Inc.	PIT NO: <u>40018</u>
5796 US HWY 64, FARMINGTON, NM 87401 (505) 632-0615	с.а.с. NB: <u>3651</u>
FIELD REPORT: CLOSURE VERIFICATION	JOB No: 92140 PAGE No: 1 of 1
LOCATION: LEASE: Johnston LS WELL #: 8 PIT: WOW UNIT: G SEC: 17 TWP: 28 N RNG: 9W BM: NM CNTY: ST ST: NM	DATE STARTED:
CONTRACTOR: EFC	ENVIRONMENTAL CLG
SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 15 FT. x DISPOSAL FACILITY: landermed on-site	
LAND USE: Cangl	
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 150 FEET 150 DEPTH TO GROUNDWATER: >100 NEAREST SURFACE WATER: >1000 NEAREST WATER	V63 F FROM WELLHEAD.
NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 5000 PPM	
SOIL AND EXCAVATION DESCRIPTION: dork upllow brown sand; sightly moist; slightly cahesive; nor	n-plastic
FIELD 418.1 CALCULATIONS	<u> </u>
SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION READING CAL	C. ppm
SCALE	
O FEET OVM PIT PERIMETER OVM RESULTS PIT	PROFILE
SAMPLE FIELD HEADSPACE PID (ppm)	
15'-1	A' =
A 14' S 3 A' S 6' TPH(4 8.1)	
to well blow line head	
	_ _ _ ! ! ! ! ! ! ! ! ! ! ! ! !

TRAVEL NOTES: CALLOUT: 5/13/04 ONSITE: 5/19/94



5796 US Highway 64-3014 • FARMINGTON, New Mexico 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Project #: 92140 Amoco Client: Date Sampled: 05-19-94 05-20-94 5 @ 10' Sample ID: Date Received: 7467 Laboratory Number: 05-26-94 05-26-94 Date Analyzed: Soil Sample Matrix: Date Reported: Cool Preservative: Analysis Needed: TPH Cool and Intact Condition:

Concentration Limit
Parameter (mg/kg) (mg/kg)
Total Petroleum
Hydrocarbons 70 25.0

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: Johnston LS 8 Blow Pit A0018

Analyst

Poviou

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

<u>District I</u> State of New Mexico PO Box 1980, Hotels, NM Energy, Minerals and Natural Resources Department

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

			A	0018
Operator:	Amoco Production Company		Telephone:	(505) - 326-9200
Address:	200 Amoco Court, Farmingt	on, New Mexico	87401	
Facility Or: Well Name	: Johnston LS 8		•	
Location: Un	ait or Qtr/Qtr Sec	sec 17 128N R	9W county Sa	n Juan
	eparator V Dehydrator			
	BLM /, State, Fee _			
Pit Location (Attach diagra	n: Pit dimensions: leng			
	Footage from reference		grees Ea: We:	st North of st South
Depth To Green (Vertical distribution contaminants thingh water eleground water)	cance from to seasonal	Less than 50 feet to Greater th	50 feet 99 feet an 100 feet	(20 points) (10 points) (0 Points) <u>C</u>
(Less than 200 domestic water	otection Area: O feet from a private r source, or; less than m all other water sources)			(20 points) (0 points)
(Horizontal d. lakes, ponds,	Surface Water: istance to perennial rivers, streams, creeks, nals and ditches)	200 feet t	200 feet to 1000 feet han 1000 feet	(10 points)
		RANKING SO	CORE (TOTAL P	coints):

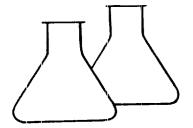
Date Remediation St	arted:	Date Completed: 5/19/94
Remediation Method: (Check all appropriate	Excavation	Approx. cubic yards 83
sections)	Landfarmed \checkmark	Insitu Bioremediation
	Other	
Remediation Location	n: Onsite 🗸	Offsite
(ie. landfarmed onsite, name and location of offsite facility)		-
General Description	Of Remedial Act	ion:
Excavation	on	
Ground Water Encount	tered: No	Yes Depth

Final Pit: Closure Sampling:	Sample location	see Attached Documents
(if multiple samples, attach sample results		
and diagram of sample locations and depths)	Sample depth	
,	Sample date	5/19/94 Sample time
	Sample Results	
	Benzene (pp	m)
	Total BTEX	(ppm)
	Field head	space(ppm) 10
ر.	TPH 65	ppn
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THAT OF MY KNOWLEDGE AND	AT THE INFORMATI BELIEF	ON ABOVE IS TRUE AND COMPLETE TO THE BEST
DATE 5/20/94		DIINCI
SIGNATURE BASI	aw PRINT	ED NAME Buddy D Shawl ITLE ENVIRONMENTAL COORDINATOR

results copied	to Johnny 5/31/44	lease "NM-04202 dev. 5878"
CLIENT: AMOCO	ENVIROTECH Inc.	PIT NO: <u>A0018</u>
	5796 US HWY. 64, FARMINGTON, NM (505) 632-0615	87401 C.O.C. NO: <u>3650</u>
FIELD REPORT:	CLOSURE VERIFICATION	JOB No: 92140 PAGE No: 1 of 1
LOCATION: LEASE: Johnston L. UNIT: G SEC: 17 TWP: 28 CONTRACTOR: EPC	S WELL #: 8 PIT: SEP IN RNG: 9W BM: NM CNTY: SI	LOATE CINICHED (**19191)
DISPOSAL FACILIT	ON APPROX. 15 FT. x 15 TY: landfarmed on-site SE: range	FT. x <u>10</u> FT. DEEP.
FIELD NOTES & REMARKS: P.	IT LOCATED APPROXIMATELY 100	FEET <u>546E</u> FROM WELLHEAD.
	AREST SURFACE WATER: >1000 NE	EAREST WATER SOURCE: >1000
NMOCD RANKING SCERE:O N		٠.
SOIL AND EXCAVATION DESCRIP	PTION: In sand; dightly moist; chesive;	non-plastic
<u>-</u>		
	FIELD 418.1 CALCULATIONS	
SAMPLE 1.D. LA	AB No: WEIGHT (g) mL. FREON DILUTION	READING CALC. ppm
SCALE		
o FEET PIT PERIMETE	R N OVM	PIT PROFILE
	SAMPLE FIELD HEADSPACE	
of the sep. the hook-	tank - N 067'	A 1.
- X	S DE 7' ND	<i>x</i> — — — — — — — — — — — — — — — — — — —
hoad to a di	CB (Da10' 10	$\begin{pmatrix} 1 \\ 10 \end{pmatrix}$
A 3 3 A		
Gree -	5) Gr TPH (418.1)	
Di)		• -
		-
		·
		1111111111111111111
TRAVEL NOTES: CALLOUT:	5/18/94 ONSITE:	5/19/94

ONSITE: 5/19/94

CALLOUT: 5/18/94



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: Date Sampled:
Date Received:
Date Analyzed:
Date Reported: 05-19-94 5 @ 10' Sample ID: 05-20-94 Laboratory Number: 7466 05-26-94 Soil Sample Matrix: 05-26-94 Preservative: Cool Analysis Needed: TPH Cool and Intact Condition:

Det. Limit Concentration (mg/kg) (mg/kg) Parameter Total Petroleum 25.0 65 Hydrocarbons

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: Johnston LS 8 Sep Pit A0018