JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

NATURAL RESOURCE DEPT AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: BILLCO ENERGY	Telephone: (505) 325-3404
Address: P.O. Box 3038, FARMING	TON, NM 87499
$\Delta a_{ij} = a_{ij} = a_{ij}$	N/2 8
Location: Unit or Otr/Otr Sec Sec 5 TZ	3N R4W County FID ARREA
Pit Type: Scparator Dehydrator_ Other	
Land Type: RANGE	
Pit Location: Pit dimensions: length	27, width, depth
(Attach diagram) Reference: wellhead	other
Footage from reference: 92	5
Direction from reference: 62	East North <u>×</u>
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Distance to an Ephemeral Stream (Downgradient dry wash greater than	Less than 100 feet (10 points) Greater than 100 feet (0 points)
ten feet in width) Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and	Less than 100 feet (10 points) Greater than 100 feet (0 points)
livestock or wildlife watering ponds) Wellhead Protection Area: (Less than 200 feet from a private	Yes (20 points) No (0 points)
domestic water source, or: less than 1000 feet from all other water sources) Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks,	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
lakes, ponds, rivers, steams, cross, irrigation canals and ditches)	RANKING SCORE (TOTAL POINTS):

	11 25 60
Date Remediation Sta	arted:
Remediation Method:	Excavation Approx. cubic yards
(Check all appropriate sections)	Landfarmed Insitu Bioremediation
	Other Stock PILED
Remediation Location (i.e. landfarmed onsite, name and location of offsite facility)	: Onsite × Offsite
= "	of Remedial Action: Excavation
Groundwater 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
locations and depths)	Sample date $11-30-98$ Sample time 1007
	Sample Results
	Soil: Benzene (ppni) Water: Benzene (ppb)
	Total BTEX (ppm) Toluene (ppb)
	Field Headspace (ppm) 97 Ethylbenzene (ppb)
	TPH (ppm) 27.7 Total Xylenes (ppb)
11.	e: Yes No (If yes, attach sample results)
KNOWLEGE AND	
DATE	12-17-98 PRINTED NAME JEFFREY C. BLAGE
SIGNATURE	Hy C- Clagy AND TITLE NMPE 11607
AFTER REVIEW O TO THE JICARILL	F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	NO (REASON)
SIGNED:	-CMa DATE: 12-28-98

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FIELD REPORT: CLOSURE VERIFICATION PAGE NO: 1 of 1 LOCATION: NAME: MARTIN - FLORANCE WELL #: 8 PIT: DEHY QUAD/UNIT: C SEC: 5 TWP: 23N RNG: 4W PM NM CNTY RA ST: NM QTP/FOOTAGE: NE/4 NW/4 CONTRACTOR INLAND EXCAVATION APPROX. 27 FT. x 21 FT. x 6 FT. DEEP. CUBIC YARDAGE: 126 EXCAVATION APPROX. 27 FT. x 21 FT. x 6 FT. DEEP. CUBIC YARDAGE: 126 DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: STOCKPILE LAND USE: RANGE LEASE: JTC. CONT 362 FORMATION: GAL-DAK FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 95 FT. N 68 WFROM WELLHEAD. DEPTH TO GROUNDWATEP: 100 NEAREST VATER SOURCE 1000 NEAREST SURFACE WATER: 1000 NHOUGH PANKING SCORE: O NMOCD THE CLOSURE STD 5,000 PPM STILL AND EXCAVATION DESCRIPTION: ORANGE BROWN SILY SAND, MOIST, COHESIVE, FIRM. PIT BOHOM DENSE SCURGISTURE, GIFM. MINOR HC QDOR ON ALL SAMPLE. NO HC STAINING. TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML FREON DILUTION READING CALC. PPM SCALE TIME SAMPLE I.D. LAB NO: WEIGHT (9) ML FREON DILUTION READING CALC. PPM SCALE	CLIENT: BILLCO P.O. I	BLAGG ENGINEERING, INC. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO:
DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: 1000 METHOD: LAND USE: RANGE LEASE: Jic. Cont 362 Formation: Gal-Dak FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 95 FT. N 68° WFROM WELLHEAD. DEPTH TO GROUNDWATER: >1000 NEAREST VATER SOURCE: >1000 NEAREST SURFACE WATER: >1000 CHECK ONE: NMOCD PANKING SCORE: O NMOCD THE CLOSURE STD: 5,000 PPM SOIL AND EXCAVATION DESCRIPTION: ORANGE Brown Sity Sand, Moist, Cohesive, Firm. PIT Bottom Deuse Scudstane, Green, Minor HC Odor on All Samples. No HC Staining. FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC. PPM SCALE	QUAD/UNIT: C SEC: 5 TWP:	ANCE WELL #: 8 PIT: DEHY 23N RNG: 4W PM: NM CNTY: RA ST: NM 4 CONTRACTOR: INLAND	DATE STARTED: 11-24-98 DATE FINISHED: 11-30-90 ENVIRONMENTAL SPECIALIST: 4
ORANGE Brown Silty Sand, Moist, COHESIVE, FIRM. PIT BOTTOM DRUSE Saudistone, GITTUI, MINOR HC ODOR ON All Saupies. No HC STAINING. FIELD 418.1 CALCULATIONS TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm SCALE	DISPOSAL FACILITY: ONSITE LAND USE: RANGE FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >100 NEA	REMEDIATION METHO LEASE: Jic. Cont 362 FO PIT LOCATED APPROXIMATELY 95 FT. REST WATER SOURCE: >1000 NEAREST SURFA CD TEH CLOSURE STD: 5,000 PPM	RMATION: GAL-DAX N 68° WFROM WELLHEAD. CE WATER: > 1000 CHECK ONE: YET ABANDONED STEEL TANK INSTALLED
SCALE	DRANGE BROWN SILTY Sand	MOIST, COHESIVE, FIRM. Home, Green. I Samples. No HC STAINING. FIELD 418.1 CALCULATIONS	
O FT OVM PIT PROFILE PIT PERIMETER RESULTS	SCALE O FT	OVM	
SAMPLE SELD HEADSPACE DO (spm) I N& & ' 2 2 E & 6	D 89 8 27'	SAMPLE FIELD HEADSPACE PID (ppm) I N@G" 2] 2E@G" 46 3S@G" 9] 4N@S" 1] 5C@G" 97 A LAB SAMPLES SAMPLE ANALYSIS TIME	

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Sample ID: Laboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Blagg / Billco C @ 6' E231 6438 Soil Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 12-01-98 11-30-98 11-30-98 12-01-98 12-01-98 8015 TPH
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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
raiametei		
Gasoline Range (C5 - C10)	24.7	0.2
Diesel Range (C10 - C28)	3.0	0.1
Total Petroleum Hydrocarbons	27.7	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:

Martin - Florance #8 Dehy.

Analyst P. Opine

Stacy W Sendler

CHAIN OF CUSTODY RECORD

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		WETERS	ANALYSIS / PARAMETERS	Massil-Figeres #8 DEHI	Project Location M Lo Till - Fine			

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JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

867 1 5 1999

ON-SITE SOIL REMEDIATION REPORT

COM. DIV.

Operator: BILLED ENERGY		Telephone: 325 · 3404							
Address: PO BOX 3038, FARMINGTON, NM. 87499									
Facility or Well Name: MARTIN FLORANCE # 8									
Location: Unit or Qtr/Qtr Sec	Sec_ <u> T</u>	23N R 4W County RIO ARRIBA							
Land Type: RANGE									
	198	Date Completed: 7.15 99							
Remediation Method: Landfarmed		Approx. cubic yards							
Composted									
Other									
Depth To Groundwater:	(pts.)	Final Closure Sampling:							
Distance to an Ephemeral Stream (pts.) O Sampling Date: 7.12.99 Time: 1000									
Distance to Nearest Lake, Playa, or Watering Pond Wellhead Protection Area: Distance To SurfaceWater:	(pts.)	Sample Results: Field Headspace (ppm)							
RANKING SCORE (TOTAL POINTS):									
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEGE AND BELIEF DATE 9-24-99 PRINTED NAME JEFFREY C. BLACE									
SIGNATURE John C. Sless AND TITLE NAME 11607									
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.									
APPROVED: YES NO	(REASON)								
SIGNED:	DATE	E: 9-27-99							

BLAGG ENGINEERING, INC.
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
LOCATION: NAME: MARTIN FLORANCE WELL #: 8 PITS: DEHY DATE STARTED: 7.12.99
QUAD/UNIT: C SEC: 5 TWP: 23N RNG: 9W PM: NM CNTY: EA ST: NM QTR/FODTAGE: 660N 1980 W CONTRACTOR: /NLAND ENVIRONMENTAL SPECIALIST: REP
SOIL REMEDIATION: REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 120 LAND USE: RANGE LIFT DEPTH (ft): 1'
FIE.D. NOTES & REMARKS:
DEPTH TO GROUNDWATER: >/00' NEAREST WATER SOURCE: >/000' NEAREST SURFACE WATER: 7 /000
NMCID PANKING SCOREO NMOCD TPH CLOSURE STD: \$660 PPM
DK YELLOWISH BROWN SAND, NON COMESINE, SLIGHTLY MOIST FIRM, SEVERAL AREAS OF STAINING OBSERVED IN LANDFARM AREALSEE SKETCH BELOW) HC ODOR DETECTED
IN SMAPLING PTS O+B SAMPLING DEPTHS EMAKE FROM 6'-10" COLLECTED A 5 PT
BOMPOSITE SAMPLE FOR LAB ANALYSIG.
FIELD 418.1 CALCULATIONS SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (g) ML. FREON DILUTION READING CALC. ppm
SKETCH/SAMPLE LOCATIONS
OVM RESULTS LAB SAMPLES
SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS
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STANGED.
AREAS 15
SCALE
O FT
TRAVEL NOTES: CALLOUT: NA ONSITE: 7.12.99



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / Billco	Project #:	403410
Sample ID:	LF - 1	Date Reported:	07-15-99
Laboratory Number:	F664	Date Sampled:	07-12 -9 9
Chain of Custody No:	7085	Date Received:	07-14-99
Sample Matrix:	Soil	Date Extracted:	07-14-99
Preservative:	Cool	Date Analyzed:	07-14-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.8	0.2
Diesel Range (C10 - C28)	594	0.1
Total Petroleum Hydrocarbons	595	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:

Martin Florance - 8 5 Pt. Composite.

Analyst L. Oyleven

Stacy W Sendler
Review

CHAIN OF CUSTODY RECORD

AAMETERS	Remarks		ST. COMPOSITE	SAMPLES PERSONE-	7007		Date Time	5		Sample Receipt	N/A	Received Intact	Cool - Ice/Blue Ice
ANALYSIS / PARAMETERS	(S/		7				: (Signature)	Received by: (Signature)	Received by: (Signature)			64 0 87401	
Project Location HARTH FLORANCE - 8	fo.o.	Sample Z Matrix	3016 1				Date Time Received by: (Signature)		Received by	ENVIROTECH INC		5796 U.S. Highway 64 Farmington, New Mexico 87401	(505) 632-0615
Project Location	Client No. 463 7 1 €	Sample Lab Number Time	00 F664										
0777		Sample Sa Date T	2.12.99 1000				(Bignature)	lature)	lature)	ز			
Client / Project Name BLAKA / B1LLCO	Sampler:	Sample No./ Identification	1.47				Relinquished by (Rign	Relinquished by: (Signature)	Relinquished by: (Signature)				