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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

## PIT REMEDIATION AND CLOSURE REPORT

Operator: BILLCO ENERGY	Telephone: (505) 325-3404
DO DOU 2029 FARMING	TON NM 87499
Facility or Well Name: FLENBOSEN JICARYLA F	1-55 No. 2
Location: Unit or Otr/Otr Sec Sw/4 N=/4 Sec 35 T2	3N R3W County SANOCHE
Pit Type: Separator Dehydrator_X Other	
Land Type: RANGE	
Pit Location: Pit dimensions: length	15_, width_12_, depth_6
(Attach diagram)  Reference: wellhead	other
Footage from reference: 100	O North
Direction from reference:	Degrees
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)
groundwater)  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 livestock or wildlife watering ponds)	Less than 100 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	Yes (20 points) No (0 points)
1000 feet from all other water sources)  Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
***B******	RANKING SCORE (TOTAL POINTS):

	10 2 00
Date Remediation Sta	rted: 12-1-98 Date Completed: 12-3-98
Remediation Method:	Excavation X Approx. cubic yards 40
(Check all appropriate sections)	Landfarmed Insitu Bioremediation
	Other Stockpile
Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility)	
General Description o	of Remedial Action: Excavation
Groundwater Encount	tered: No X Yes Depth
Closure Sampling:	Sample location see Attached Documents
attach sample results	Sample depth
11	Sample date 12-3-98 Sample time 1258
	Sample Results
	Soil: Benzene (ppm) Water: Benzene (ppb)
	Total BTEX (ppin) Toluene (ppb)
	Field Headspace (ppm) 94 Ethylbenzene (ppb)
	TPH (ppm) 920 Total Xylenes (ppb)
	e: Yes No _X (If yes, attach sample results)
KNOWLEGE AND B	
DATE	2-17-98 PRINTED NAME JEFFREY C. BLAGE
SIGNATURE	My C- Clagg AND TITLE NMPE 11607
	F THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE A APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES 7	NO (REASON)
SIGNED:	-C Maul DATE: 12-28-98

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	
FIELD REPORT: CLOSURE VERIFICATION PAGE NO: 1	
DATE STARTED: 12	3-90
QUAD/UNIT: G SEC: 35 TWP: Z3N RNG: SVV PM: NNC CNT: SPECIALIST: PRICE CONTROLL SPECIALIST: 20	3
OTD COULTAGE: SU/9 NE/9 CONTINUES.	0
EXCAVATION APPROX FT. x FT. DEEP. CUBIC YARDAGE:	€
DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: STOCKPILL RAND USE: RANGE LEASE: 09-000 SSA FORMATION: BACKA	eo PC
- INCLUSION WITH SIGN W	FLTHFAN
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FT. S15 FROM WIDER TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000 OFFICE	)
NMOCD RANKING SCORE:  NMOCD THE CLOSURE STD. 5,000 PPM  NMOCD RANKING SCORE:  STEEL TANK INSTA	'
LEDT AND EYCAVALLIN DESCRIFTION 1	INSTALLED
Yellow TAN SILTY SAND, DRY, NON COMESINEFIBERGLASS TANK	
PIT BOTTOM SANDSTONE BEDROCK	
MINOR HC ODOR ON ALL SAMPLES, NO HC STAIN.	
MINOR AC OBOR ON THE SHOTE	
2 ALIDNS	
FIELD 418.1 CALCULATIONS  TIME SAMPLE I.D. LAB No: WEIGHT (g) mL. FREON DILUTION READING C	ALC. ppm
SCALE	
O FT OVM PIT PROFILE	
PIT PERIMETER RESULTS  SAMPLE FIELD HEADSPACE	
N 1N0 3 65	
3503 37	
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A 15' 9 6 2 A	/
LAB SAMPLES	•
SAMPLE ANALYSIS TIME 10 C.G.6' 8015 1258	/
BEDROCK	
TRAVEL NOTES: CALLOUT: ONSITE:	



### 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' E253 6450 Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Requested:	04034-10 12-04-98 12-03-98 12-03-98 12-04-98 12-04-98 8015 TPH
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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	732	0.2
Diesel Range (C10 - C28)	188	0.1
Total Petroleum Hydrocarbons	920	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:

Jica. A - 55 #2.

Analyst P. Cylins

Stacy W Sendler

# CHAIN OF CUSTODY RECORD

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

COC# 7093
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

## ON-SITE SOIL REMEDIATION REPORT

Operator: BILLO ENERLY		Telephone (505) 325-3404
Address: PO BOX 3038, FAR	PMINISTON, NA	87499
Facility or Well Name: 51CARILLA		
Location: Unit or Qtr/Qtr Sec	Sec <u>35</u> T_2	R3N R3N County PIO ARRIBA
Land Type: RANGE		
Date Remediation Started: 12-19	8	Date Completed: 7.2999
Remediation Method: Landfarmed	,	Approx. cubic yards 40
Composted		
Other		
Depth To Groundwater:	(pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream	(pts.)	Sampling Date: 7.27.99 Time: 1020
Distance to Nearest Lake, Playa, or Watering Pond	(pts.)	Sample Results:
Wellhead Protection Area:	(pts.)	Field Headspace (ppm) O.D  TPH (ppm) 10.0 Method 150.5
Distance To SurfaceWater:	(pts.)	Other
RANKING SCORE (TOTAL POIN	TS): <u>0</u>	
I HEREBY CERTIFY THAT THE INFO	RMATION ABOV	E IS TRUE AND COMPLETE TO THE BEST OF MY
DATE 9-24-99	PRINTED !	NAME JEFFRET C. BLAGE
SIGNATURE Juffy C	- Glegn	AND TITLE NMPE 11607
AFTER REVIEW OF THE SOIL REME ACCORDANCE TO THE JICARILLA	EDIATION INFORM APACHE TRIBE PI	MATION, ON-SITE REMEDIATION IS APPROVED IN TO CLOSURE ORDINANCE.
APPROVED: YES NO	(REASON)	
signed: Ma	DATI	E: <u>9-21-99</u>

BLAGG ENGINEERING, INC.  P.O. BOX 87, BLOOMFIELD, NM 87413  (505) 632-1199    C.D.C. ND: 7093
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION
LOCATION: NAME: JICARILLA A - 55 WELL #: 2 PITS: DENY DATE STARTED: 7.27.99  DATE STARTED: 7.27.99  DATE FINISHED: 7.29.99
QUAD/UNIT: G SEC: 35 TWP: 23N RNG: 3W PM:NM CNTY: RA ST:NM
OTR/FOOTAGE: 1800'N . 1850 E CONTRACTOR:
SOIL REMEDIATION:  APPROX. CUBIC YARDAGE: 40
REMEDIATION SISTEM.
LAND COD.
FIELD NOTES & REMARKS:  DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000'  NEAREST SURFACE WATER: >100'
NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: 5000 PPM
CONTINUE REPORTAL SAND NON COHESIVE, SLIGHTLY MOIST, FIRE
THE WAY OF THE PETECTED SAMPLING DEPINS
RANGE FROM 4"-10" COLLECTED A SPI. CONTOST.
LAB ANACYSIS.
FIELD 418.1 CALCULATIONS
SAMP. TIME SAMPLE I.D. LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC. PPM
SKETCH/SAMPLE LOCATIONS
SKETCH/SAMPLE LOCATIONS
OVM RESULTS LAB SAMPLES
OVM RESULTS LAB SAMPLES  SAMPLE FIELD HEADSPACE SAMPLE ANALYSIS TIME RESULTS  ID 10 (ppm)
10 PID (Apm) 10 LF.1 (8015) 1020 10.0
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SCALE
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TRAVEL NOTES: CALLOUT: NA ONSITE: 7.27.99
TRAVEL NOTES: CALLOUT: NA ONSITE: 72777



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / E Sample ID: LF - 1 Laboratory Number: F767 Chain of Custody No: 7093 Sample Matrix: Soil Preservative: Cool Condition: Cool and	Project #: 403410  Date Reported: 07-29-99  Date Sampled: 07-27-99  Date Received: 07-28-99  Date Extracted: 07-28-99  Date Analyzed: 07-28-99  Analysis Requested: 8015 TPH
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Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.3	0.2
Diesel Range (C10 - C28)	7.7	0.1
Total Petroleum Hydrocarbons	10.0	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:

Jicarilla A - 55 #2 5 Pt. Composite.

Analyst P. Open

Stacy W Sendler
Review

## CHAIN OF CUSTODY RECORD

Sumple   Sample   S	Client / Project Name			Project Location			ANALYSIS / PABAMETERS	AMETERS		
	_ \	n	<u></u>	SICABULA	A. S.S. # 2					
### ### ##############################				Client No.		s.			Remarks	
Sample   Sample   Sample   Z & R &   Date   Time   Received by: (Signature)     Soil   Sample   Z & R &   Soil   Sample   Soil   Sample   Soil   Sample   Soil   Sample   Soil   Sample   Samp				403	214	laineı				
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