

**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

OK

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>BILLCO ENERGY</u>		Telephone: <u>(505) 325-3404</u>
Address: <u>P.O. Box 3038, FARMINGTON, NM 87499</u>		
Facility or Well Name: <u>ELENBOGEN ²¹⁶ JICARILLA A-55 # 7</u>		
Location: Unit or Qtr/Qtr Sec <u>^{SW/4 SE/4} 0</u> Sec <u>26</u> T <u>23N</u> R <u>3W</u> County <u>SANDOVAL</u>		
Pit Type: Separator <input type="checkbox"/> Dehydrator <input checked="" type="checkbox"/> Other <input type="checkbox"/>		
Land Type: <u>RANGE</u>		
Pit Location: (Attach diagram)	Pit dimensions: length <u>10</u> , width <u>10</u> , depth <u>8</u>	
	Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>	
	Footage from reference: <u>100</u>	
	Direction from reference: <u>35</u> Degrees <input type="checkbox"/> East of North <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> West of South <input type="checkbox"/>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points)	
	50 feet to 99 feet (10 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points)	
	Greater than 100 feet (0 points)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
Distance To Surface Water: (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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

CLIENT: BILCO BLAGG ENGINEERING, INC.
 P.O. BOX 87, BLOOMFIELD, NM 87413
 (505) 632-1199

LOCATION NO: _____
 C.D.C. NO: 649

FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: ~~BENTONITE BLENDING~~ JICARILLA A-55 WELL #: 7 PIT: DEHY
 QUAD/UNIT: 0 SEC: 26 TWP: 23N RNG: 3W PM: NM CNTY: SANDOVAL ST: NM
 QTR/FOOTAGE: SW/4 SE/4 CONTRACTOR: INLAND ENVIRONMENTAL SPECIALIST: JCS

EXCAVATION APPROX. 10 FT. x 10 FT. x 8 FT. DEEP. CUBIC YARDAGE: 30
 DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: STOCKPILE
 LAND USE: RANGE LEASE: 09-000055A FORMATION: PC

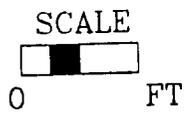
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FT. N35°W FROM WELLHEAD.
 DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >100 NEAREST SURFACE WATER: >100
 NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5,000 PPM

- CHECK ONE:
- PIT ABANDONED
 - STEEL TANK INSTALLED
 - FIBERGLASS TANK INSTALLED

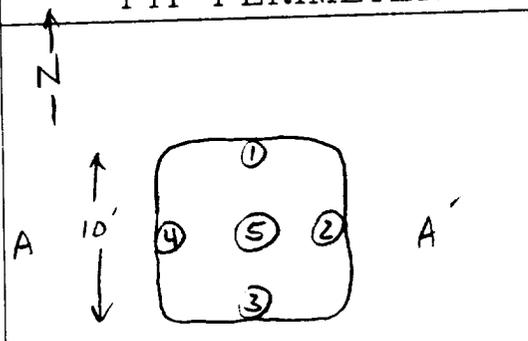
SOIL AND EXCAVATION DESCRIPTION:
 SILTY SAND, YELLOW TAN, DRY TO MOIST, NON-COHESIVE. NO STAIN ON ANY SAMPLE. MINOR HC ODOR ON EAST & BOTTOM SAMPLES.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm



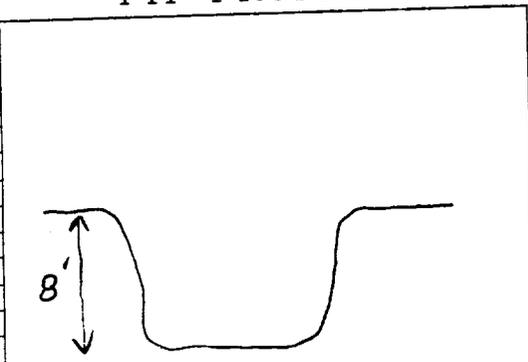
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 N @ 7'	14
2 E @ 6'	43
3 S @ 7'	5
4 W @ 6'	9
5 C @ 8'	74

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
C @ 8'	TPH 9015	1215

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

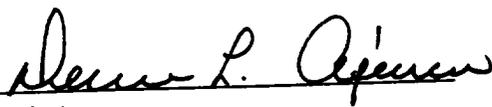
Client:	Blagg / Billco	Project #:	04034-10
Sample ID:	C @ 8'	Date Reported:	12-04-98
Laboratory Number:	E252	Date Sampled:	12-03-98
Chain of Custody No:	6449	Date Received:	12-03-98
Sample Matrix:	Soil	Date Extracted:	12-04-98
Preservative:	Cool	Date Analyzed:	12-04-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	2.8	0.1
Total Petroleum Hydrocarbons	3.1	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 #7.


Analyst


Review

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

COE# 7094
SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

OCT 15 1999

OIL CON. DIV.

Operator: BILCO ENERGY Telephone: (505) 325-3404

Address: PO BOX 3038, FARMINGTON NM 87499

Facility or Well Name: JICARILLA A-55 # 7

Location: Unit or Qtr/Qtr Sec 0 Sec 26 T 23N R 31W County 216 ARIZONA

Land Type: RANGE

Date Remediation Started: 12.1.98 Date Completed: 7.29.99

Remediation Method: Landfarmed Composted Other
Approx. cubic yards 30

Depth To Groundwater: (pts.) <u>0</u>	Final Closure Sampling:
Distance to an Ephemeral Stream (pts.) <u>0</u>	Sampling Date: <u>7.27.99</u> Time: <u>1140</u>
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>	Sample Results:
Wellhead Protection Area: (pts.) <u>0</u>	Field Headspace (ppm) <u>7.2</u>
Distance To Surface Water: (pts.) <u>0</u>	TPH (ppm) <u>11.4</u> Method <u>TPH (8015)</u>
RANKING SCORE (TOTAL POINTS): <u>0</u>	Other <input type="checkbox"/>

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-24-99 PRINTED NAME JEFFREY C. BLAGG
SIGNATURE Jeffrey C. Blagg AND TITLE NMPE 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: K. C. M... DATE: 9-27-99

CLIENT: BILCO **BLAGG ENGINEERING, INC.**
 P.O. BOX 87, BLOOMFIELD, NM 87413
 (505) 632-1199 LOCATION NO: _____
 C.D.C. NO: 7094

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: JICABILLA A-55 WELL #: 7 PITS: DEHY DATE STARTED: 7.27.99
 QUAD/UNIT: 0 SEC: 26 TWP: 23N RNG: 3W PM: NM CNTY: RA ST: NM DATE FINISHED: 7.29.99
 QTR/FOOTAGE: 790'S - 1850'E CONTRACTOR: _____ ENVIRONMENTAL SPECIALIST: REP

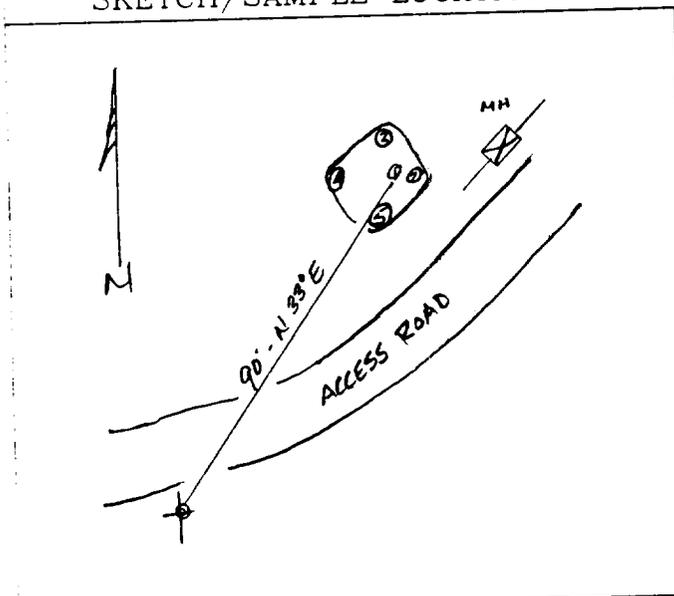
SOIL REMEDIATION:
 REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 30
 LAND USE: RANGE LIFT DEPTH (ft): 1'

FIELD NOTES & REMARKS:
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM
 DARK YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM.
 NO APPARENT STAINING, NO HC. ODOR DETECTED. SAMPLING DEPTHS
 RANGE FROM 4"-10". COLLECTED A SPT. COMPOSITE SAMPLE FOR
 LAB ANALYSIS

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

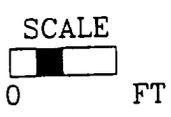
SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	7.2	LF-1	TPH (8015)	1140	11.4



TRAVEL NOTES: CALLOUT: NA ONSITE: 7.27.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / Billco	Project #:	403410
Sample ID:	LF - 1	Date Reported:	07-29-99
Laboratory Number:	F768	Date Sampled:	07-27-99
Chain of Custody No:	7094	Date Received:	07-28-99
Sample Matrix:	Soil	Date Extracted:	07-28-99
Preservative:	Cool	Date Analyzed:	07-28-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.5	0.2
Diesel Range (C10 - C28)	6.9	0.1
Total Petroleum Hydrocarbons	11.4	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 #7 5 Pt. Composite.


Analyst


Review

