

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

OK
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: BILLCO ENERGY Telephone: (505) 325-3404
Address: P.O. Box 3038, FARMINGTON, NM 87499
Facility or Well Name: ELENBOGEN JICARILLA A-55 No. 2
Location: Unit or Qtr/Qtr Sec SW/4 NE/4 Sec 35 T 23N R 3W County SANDOVAL
Pit Type: Separator ☐ Dehydrator ☒ Other ☐
Land Type: RANGE

Pit Location: Pit dimensions: length 15, width 12, depth 6
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 100
Direction from reference: 15 Degrees ☒ East of North ☐
West of South ☒

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)	
	Greater than 100 feet	(0 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): 0

Date Remediation Started: 12-1-98 Date Completed: 12-3-98

Remediation Method: Excavation ☒ Approx. cubic yards 40
(Check all appropriate sections) Landfarmed ☐ Insitu Bioremediation ☐
Other STOCKPILE

Remediation Location: Onsite ☒ Offsite ☐
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation

Groundwater Encountered: No ☒ Yes ☐ Depth

Final Pit: Sample location see Attached Documents
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 6'
Sample date 12-3-98 Sample time 1258

Sample Results

Soil: Benzene	(ppm)	<u>—</u>	Water: Benzene	(ppb)	<u>—</u>
Total BTEX	(ppm)	<u>—</u>	Toluene	(ppb)	<u>—</u>
Field Headspace	(ppm)	<u>94</u>	Ethylbenzene	(ppb)	<u>—</u>
TPH	(ppm)	<u>920</u>	Total Xylenes	(ppb)	<u>—</u>

Groundwater Sample: Yes ☐ No ☒ (If yes, attach sample results)

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

DATE 12-17-98 PRINTED NAME JEFFREY C. BLAGG

SIGNATURE Jeffrey C. Blagg AND TITLE NMPE 11607

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO ☐ (REASON)

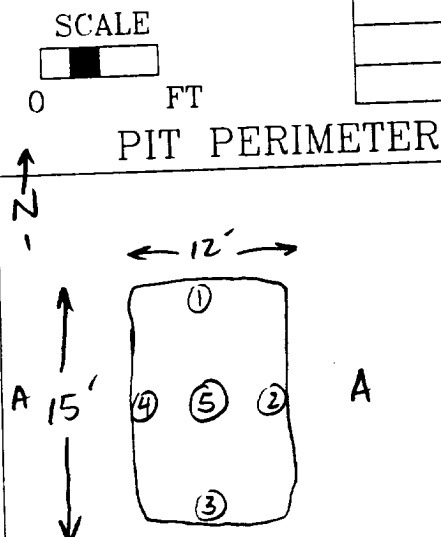
SIGNED: Ken C. Mamm DATE: 12-28-98

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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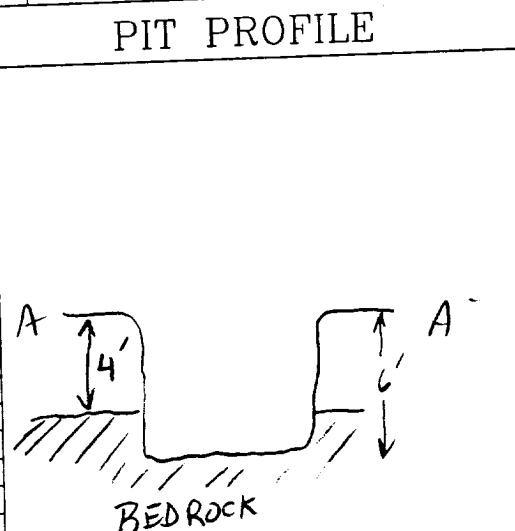
EXCAVATION APPROX. 15 FT. x 12 FT. x 6 FT. DEEP. CUBIC YARDAGE: 40
DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: STOCKPILE
LAND USE: RANGE LEASE: 09-00055A FORMATION: BALCON PC

Yellow TAN SILTY SAND, DRY, NON COHESIVE.
PIT BOTTOM SANDSTONE BEDROCK
MINOR HC ODOR ON ALL SAMPLES, NO HC STAIN.

FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm



OVM RESULTS		
SAMPLE ID	FIELD HEADSPACE PID (ppm)	
1N03'	65	
2E03'	84	
3S03'	37	
4W03'	60	
5C06'	94	
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
C06'	B015	1258



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

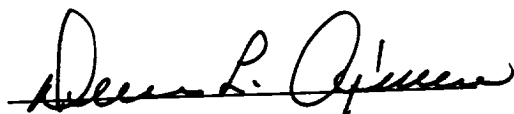
Client:	Blagg / Billco	Project #:	04034-10
Sample ID:	C @ 6'	Date Reported:	12-04-98
Laboratory Number:	E253	Date Sampled:	12-03-98
Chain of Custody No:	6450	Date Received:	12-03-98
Sample Matrix:	Soil	Date Extracted:	12-04-98
Preservative:	Cool	Date Analyzed:	12-04-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	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


Review

6450

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

CDC# 7093
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

RECEIVED
OCT 15 1999

Operator: BILCO ENERGY Telephone: (505) 325-3404
Address: PO BOX 3038, FARMINGTON, NM. 87499
Facility or Well Name: JICARILLA A-55 #2
Location: Unit or Qtr/Qtr Sec 9 Sec 35 T 23N R 3W County RIO ARriba
Land Type: RANGE

Date Remediation Started: 12-1-98 Date Completed: 7-29-99
Remediation Method: Landfarmed ☒ Approx. cubic yards 40
Composted ☐
Other ☐

Depth To Groundwater: (pts.) 0
Distance to an Ephemeral Stream (pts.) 0
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 0

Final Closure Sampling:
Sampling Date: 7-27-99 Time: 1020
Sample Results:
Field Headspace (ppm) 0.0
TPH (ppm) 10.0 Method TPH (BGL)
Other ☐

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: <u>BULLCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: _____ C.O.C. NO: <u>7093</u>
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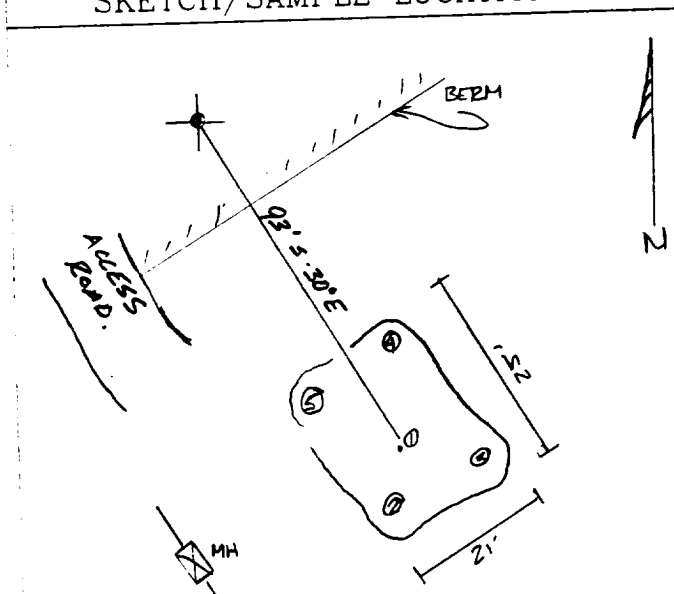
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION			
LOCATION:	NAME: <u>JICARILLA A-55</u>	WELL #: <u>2</u>	PITS: <u>DEHY</u>
QUAD/UNIT:	SEC: <u>35</u>	TWP: <u>23N</u>	RNG: <u>3W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u>
QTR/FOOTAGE:	<u>1800'N - 1850'E</u> CONTRACTOR: _____		
		DATE STARTED: <u>7-27-99</u>	DATE FINISHED: <u>7-29-99</u>
		ENVIRONMENTAL SPECIALIST: <u>REP</u>	

SOIL REMEDIATION:	
REMEDATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>40</u>
LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>1'</u>

FIELD NOTES & REMARKS:	
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCED RANKING SCORE: <u>0</u> NMOCED TPH CLOSURE STD: <u>5000</u> PPM <i>PALE YELLOWISH BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM NO APPARENT STAINING, NO HC ODOR DETECTED. SAMPLING DEPTHS RANGE FROM 6" - 10" COLLECTED A SPT. COMPOSITE SAMPLE FOR LAB ANALYSIS.</i>	

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
<u>LF-1</u>	<u>0.0</u>	<u>LF-1</u>	<u>TPH (8015)</u>	<u>1020</u>	<u>10.0</u>

SCALE

 0 FT

TRAVEL NOTES:	CALLOUT: <u>NA</u>	ONSITE: <u>7-27-99</u>
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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

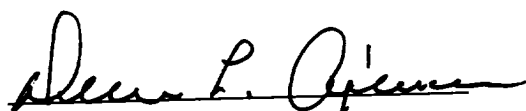
Client:	Blagg / Bilco	Project #:	403410
Sample ID:	LF - 1	Date Reported:	07-29-99
Laboratory Number:	F767	Date Sampled:	07-27-99
Chain of Custody No:	7093	Date Received:	07-28-99
Sample Matrix:	Soil	Date Extracted:	07-28-99
Preservative:	Cool	Date Analyzed:	07-28-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	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


Review

7093

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