

Denny & F...
ENVIRONMENTAL PROTECTION OFFICE
DEPUTY OIL & GAS INSPECTOR

BE 472

SUBMIT 1 COPY 1

NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

MAR 19 1997

DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator: BILLCO Telephone: 325-3404
Address: P.O. Box 3030, FARMINGTON, NM 87499
Facility or Well Name: BOULDER MANCOS #7
Location: Unit or Qtr/Qtr Sec B Sec 35 T 28N R 1W County RA
Pit Type: Separator X Dehydrator Other TANK
Land Type: RANGE

Pit Location:
(Attach diagram)

Pit dimensions: length 18, width 18, depth 5

Reference: wellhead X, other

Footage from reference: 5

Direction from reference: N 28° Degrees X 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) 0

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) 0

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) 0

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) 0

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) 0

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OIL CON. DIV.
DIST. 3

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 10-25-96 Date Completed: 10-31-96Remediation Method: Excavation ☒ Approx. cubic yards 60
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)General Description of Remedial Action: ExcavationGroundwater Encountered: No ☒ Yes _____ Depth _____

Final Pit:

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth _____

Sample date 10-31-96 Sample time 11:30

Sample Results

Soil: Benzene	(ppm)	<u>NA</u>	Water: Benzene	(ppb)	<u>NA</u>
Total BTEX	(ppm)	<u>NA</u>	Toluene	(ppb)	<u>NA</u>
Field Headspace	(ppm)	<u>9.0</u>	Ethylbenzene	(ppb)	<u>NA</u>
TPH	(ppm)	<u>570</u>	Total Xylenes	(ppb)	<u>NA</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 Nov. 11, 1996 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: Gabriel J. [Signature] DATE: 11/13/96

CLIENT: <u>Bulco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BE472</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Bcifer Mancos</u> WELL #: <u>7</u> PIT: <u>SEP/TANK</u> QUAD/UNIT: <u>B</u> SEC: <u>35</u> TWP: <u>28N</u> RNG: <u>1W</u> PM: <u>NM</u> CNTY: <u>RAST: NM</u> QTR/FOOTAGE: _____ CONTRACTOR: <u>Bulco</u>	DATE STARTED: <u>10-25-96</u> DATE FINISHED: <u>10-31-96</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. <u>18</u> FT. x <u>18</u> FT. x <u>5</u> FT. DEEP.	CUBIC YARDAGE: <u>60</u>
DISPOSAL FACILITY: <u>ONSITE</u>	REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u>	LEASE: <u>JAT 240</u> FORMATION: _____

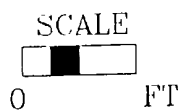
FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>50</u> FT. <u>N28°E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>100'</u> NEAREST SURFACE WATER: <u>>100'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5,000</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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CHECK ONE:
<input checked="" type="checkbox"/> PIT ABANDONED
<input type="checkbox"/> STEEL TANK INSTALLED
<input type="checkbox"/> FIBERGLASS TANK INSTALLED

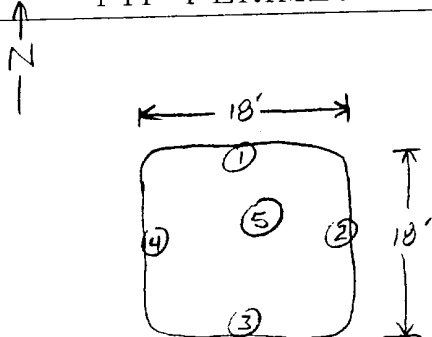
DARK SILTY CLAY.
 No odor of staining
 MINOR WATER IN BASE OF PIT FROM RECENT RAINS

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1250	C@5'	1855	5.0	20.0	4x	142	568



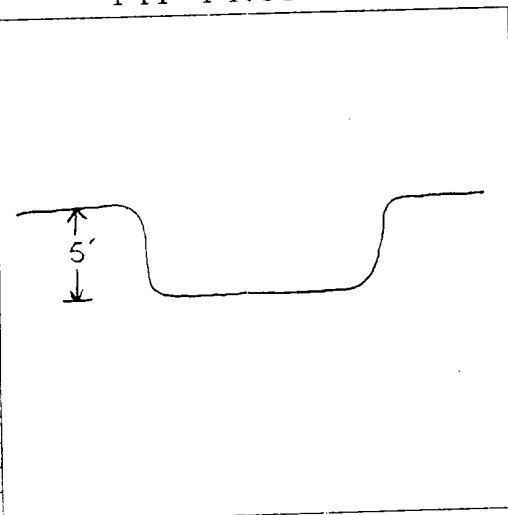
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 N@5'	2.1
2 E@5'	1.7
3 S@5'	9.0
4 W@5'	2.7
5 C@5'	8.9

PIT PROFILE



LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
C@5'	418.1	1250

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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1111 PERIMETER

RESULTS

← N →

18'

18'

5'

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NGS'	2.1
2 EGS'	1.7
3 SGS'	9.0
4 WGS'	2.7
5 CGS'	8.9

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
CGS'	418.1	125.0

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	BILCO ENERGY	Project #:	
Sample ID:	5CB @ 5'	Date Analyzed:	11-11-96
Project Location:	Boulder Mancos # 7	Date Reported:	11-11-96
Laboratory Number:	TPH-1855	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
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Total Recoverable Petroleum Hydrocarbons	570	20

ND = Not Detectable at stated detection limits.

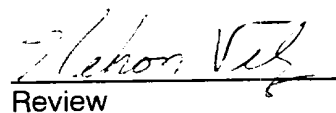
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	4640	4400	5.31

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and Waste,
USEPA Storet No.4551, 1978

Comments: Separator/Production Tank Pit - BE472


Analyst


Review

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

Sample ID:

Project Location:

Laboratory Number:

BILLCO ENERGY

5CB @ 5'

Boulder Mancos # 7

TPH-1855

Project #:

Date Analyzed:

Date Reported:

Sample Matrix:

11-11-96

11-11-96

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 142 mg/kg

TPH Result: 568.0 mg/kg
Reported TPH Result: 570 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	----- 4640	----- 4400	----- 5.31

Comments: *****Max Characters*****

Comments: Separator/Production Tank Pit - BE472