

District I
P.O. Box 100, Hobbs, NM
District II
P.O. Box 100, Hobbs, NM
District III
1000 Rio Brazos Rd, Aztec, NM 87401
State of New Mexico
Energy, Minerals and Natural Resources Department
DEPUTY OIL & GAS INSPECTOR
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: BONNEVILLE FUELS CORPORATION Telephone: 303-863-1555

Address: 1660 Lincoln Street, Suite 1800, Denver, CO 80264

Facility Or: SCOTT "E" FEDERAL #18

Well Name

Location: Unit or Qtr/Qtr sec N Sec 36 T27N R11W county SAN JUAN

Pit Type: Separator XX Dehydrator Other

Land Type: BLM XX, State , Fee , Other

Pit Location: Pit dimensions: length 24, width 16, depth 7

(Attach diagram)

Reference: wellhead , other See Attached

Footage from reference:

Direction from reference: Degrees East North
of
 West South

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet	(20 points)
50 feet to 99 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)

RECEIVED
FEB 18 1997

OIL CON. DIV.
DIST. 3

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 200 feet	(20 points)
200 feet to 1000 feet	(10 points)
Greater than 1000 feet	(0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 5-22-96 Date Completed: 5-22-96

Remediation Method: Excavation XX Approx. cubic yards 94
(check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
other _____

Remediation Location: Onsite XX offsite _____
(i.e. landfarmed onsite,
name and location of
offsite facility) _____

General Description Of Remedial Action: Contamination was remediated by dilution
and aeration. Remediated soil was backfilled into remediated pit. A below grade fiberglass
tank was emplaced in same location as old earthen pit as per NMOCD guidelines.

Ground Water Encountered: No XX Yes _____ Depth _____

Final Pit: Sample location See Attached

Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths) Sample depth 7'

Sample date 5-22-96 Sample time 15:45

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) Composite of backfill (PID, 0 units);
TD 7' (PID, 12 units)

TPH @ 7' = 35.1 (8015 method); Backfill = 32.4 (8015 method)

Ground Water 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 10/2/01

SIGNATURE

PRINTED NAME
AND TITLE

JAMES O. CABLE
VICE PRESIDENT OPERATIONS

DATE : 05-22-96

CLIENT : BONNEVILLE FUELS

SITE LOCATION : SCOT F "E" FEDERAL # 18
Unit N Sec .36 , T27N , R1W , NMPM
San Juan County

CONTRACTOR : ON SITE EQUIPMENT : Trackhoe (Hitachi EX220LC)

ASSESSMENT SUMMARY

CO. # : BON1001

LOGGER : CG

JOB # : 4-1286

PAGE # : 1

START : 14 :00

FINISH : 15 :45

NOTES:

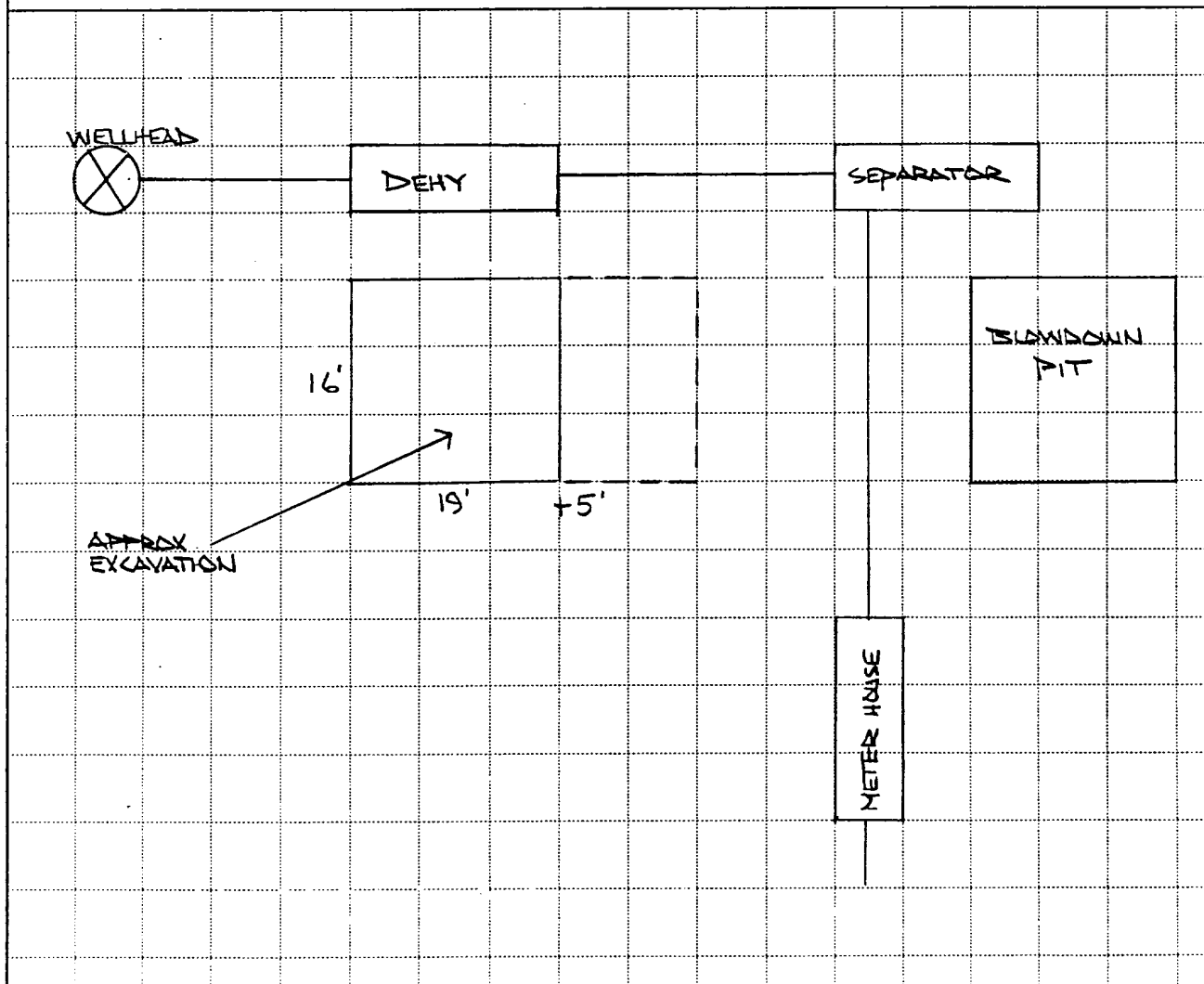
Remediation: Separator Pit

Center Of Excavation: @ 7' (PID:12.0 Units)

Composite Of Backfill: (PID: 0.0 Units)

TD:7'

LAB:TPH (8015 MOD.) Both Samples



OFF: (505) 325-8786



LAB: (505) 325-5667

TPH - Gasoline / Diesel Range Organics

Attn: *Cindy Gray*
 Company: *On Site Technologies, Ltd.*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *24-May-96*
 COC No.: *4114*
 Sample No. *10981*
 Job No. *4-1286*

Project Name: *Bonneville Fuels Federal Lease*
 Project Location: *Scott E Federal #18; T.D. 7.0'*
 Sampled by: *CG*
 Analyzed by: *DC*
 Sample Matrix: *Soil*

Date: *22-May-96* Time: *14:05*
 Date: *24-May-96*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	35.1	mg/kg	5.0	mg/kg
	TOTAL	35.1	mg/kg	

Quality Assurance Report

GRO QC No.: *0461-STD*
 DRO QC No.: *0475-STD*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	< 50	ppb	1,080	1,147	6.2	15%
Diesel Range (C10 - C28)	< 5.0	ppm	2,000	1,906	4.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	94	80	(70-130)	11	20%
Diesel Range (C10-C28)	117	106	(70-130)	7	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
 Date: *5/24/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-8786



LAB: (505) 325-5667

TPH - Gasoline / Diesel Range Organics

Attn: *Cindy Gray*
 Company: *On Site Technologies, Ltd.*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *24-May-96*
 COC No.: *4114*
 Sample No. *10982*
 Job No. *4-1286*

Project Name: *Bonneville Fuels Federal Lease*
 Project Location: *Scott E Federal #18; Composite Backfill*
 Sampled by: *CG* Date: *22-May-96* Time: *14:50*
 Analyzed by: *DC* Date: *24-May-96*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	< 5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	32.4	mg/kg	5.0	mg/kg
	TOTAL	32.4		mg/kg

Quality Assurance Report

GRO QC No.: *0461-STD*
 DRO QC No.: *0475-STD*

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	< 50	ppb	1,080	1,147	6.2	15%
Diesel Range (C10 - C28)	< 5.0	ppm	2,000	1,906	4.7	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	94	80	(70-130)	11	20%
Diesel Range (C10-C28)	117	106	(70-130)	7	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
 Date: *5/24/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



OFF: (505) 325-8786

LAB: (505) 325-5667

QUALITY ASSURANCE REPORT
for EPA Method 8020

Date Analyzed: 23-May-96

Internal QC No.: 0444-STD
Surrogate QC No.: 0445-STD
Reference Standard QC No.: 0355-STD

Method Blank

<i>Analyte</i>	<i>Result</i>	<i>Units of Measure</i>
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

<i>Analyte</i>	<i>Units of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
Benzene	ppb	20.0	19.2	4	15%
Toluene	ppb	20.0	19.4	3	15%
Ethylbenzene	ppb	20.0	19.5	3	15%
m,p-Xylene	ppb	40.0	38.4	4	15%
o-Xylene	ppb	20.0	19.2	4	15%

Matrix Spike

<i>Analyte</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
Benzene	79	89	(39-150)	8	20%
Toluene	69	74	(46-148)	4	20%
Ethylbenzene	77	81	(32-160)	3	20%
m,p-Xylene	73	77	(35-145)	3	20%
o-Xylene	73	76	(35-145)	3	20%

Surrogate Recoveries

<i>Laboratory Identification</i>	<i>S1 Percent Recovered</i>	<i>S2 Percent Recovered</i>
Limit Percent Recovery	(70-130)	
10983-4114	123	
10984-4114	100	

S1: Fluorobenzene

P. O. BOX 2606 • FARMINGTON, NM 87499

— Environmental Response Industries, Inc. —

