Energy & Trust
DEPUTY OIL & GAS INSPECTOR
APR 08 1997

District I
P.O. Box 1980, Hobbs, NM 88241
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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 #9
Well Name

Location: Unit or Qtr/Qtr Sec E Sec 23 T 27N R 11W County SAN JUAN

Pit Type: Separator____ Dehydrator____ Other Blowdown

Land Type: BLM XX, State____, Fee____, Other____

Pit Location: (Attach diagram)
Pit dimensions: length 21, width 18, depth 10
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)	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 200 feet	(20 points)	
	200 feet to 1000 feet	(10 points)	
	Greater than 1000 feet	(0 points)	0
	RANKING SCORE (TOTAL POINTS):		0

RECEIVED
FEB 18 1997
OIL CON. DIV.
DIST. 3

Date Remediation Started: _____ Date Completed: _____

Remediation Method: (Check all appropriate sections) Excavation _____ Approx. cubic yards _____

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: This blowdown pit is considered by Bonneville Fuels Corporation to be owned by the Gas Company of New Mexico (currently Williams Field Services). We assessed it as part of our field efforts and determined it to be below the action levels for the State's and BLM guildelines.

Ground Water Encountered: No XX Yes ____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location _____

Sample depth _____

Sample date 5-21-96 Sample time 13:55

Sample Results

Benzene (ppm) .15

Total BTEX (ppm) 5.4

Field headspace (ppm) Composite 3-7' (PID, 1460 units); TD 10' (PID, 974 units)

TPH 10.7 ppm

Ground Water Sample: Yes ____ No XX (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 10/14/96

SIGNATURE BJK

PRINTED NAME AND TITLE JAMES O. CABLE VICE-PRESIDENT OPERATIONS

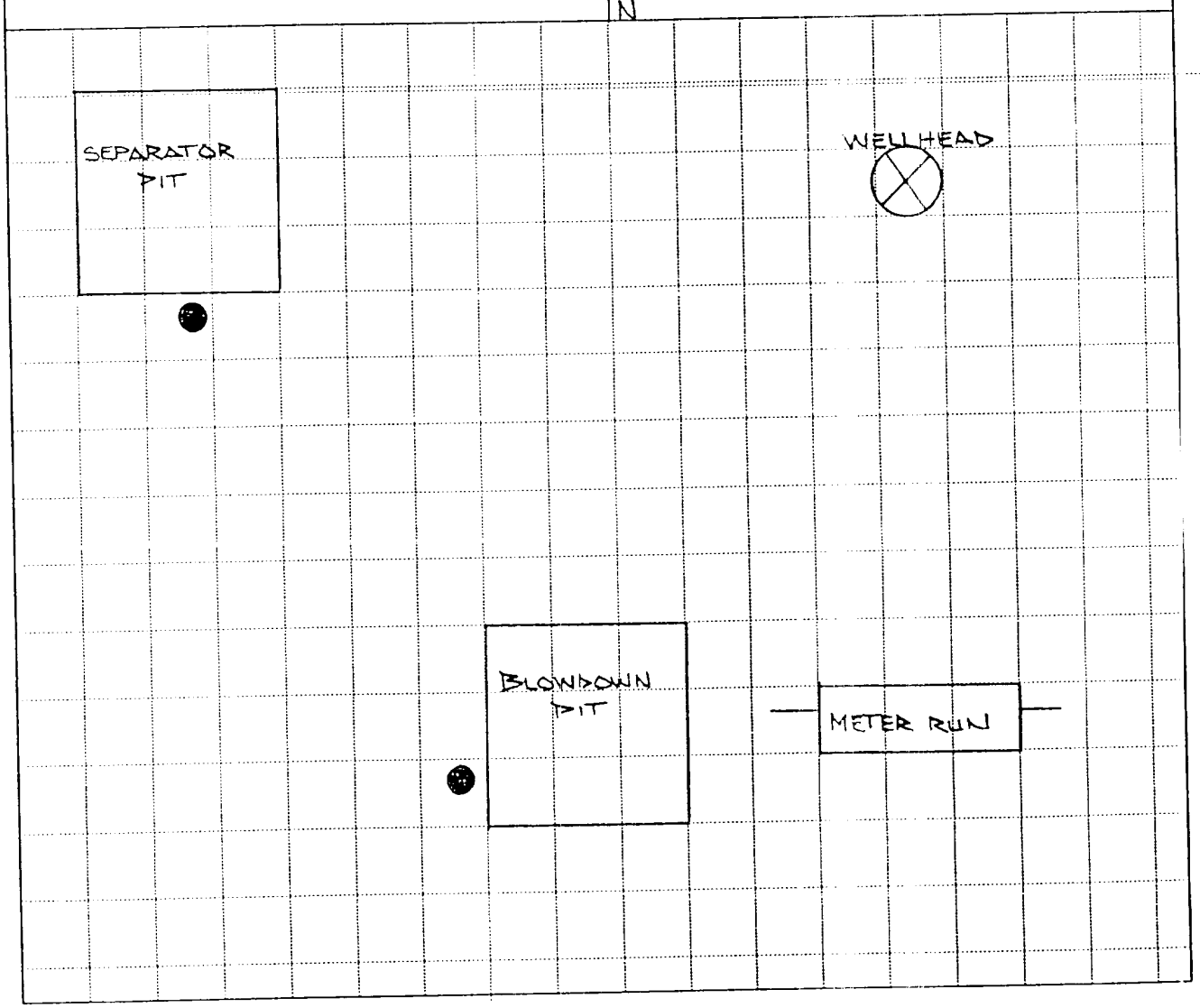
ON SITE TECHNOLOGIES, LTD.
P.O. BOX 2606, FARMINGTON, NM 87499
(505) 325-5667

ASSESSMENT SUMMARY

DATE : 05-21-96
CLIENT : BONNIEVILLE FUELS
SITE LOCATION : SCOTT "E" FEDERAL . #9
Unit E Sec. 23, T27N, R 1W, NMPM
San Juan County
CONTRACTOR : ON SITE EQUIPMENT : GEOPROBE (2" AUGER w/ Split Spoon)

CO. # : BON1001
JOB # : 4-1286
START : 12 :45
LOGGER : BV
PAGE # : 1
FINISH : 13 :55

NOTES:
Two pit assessed:Separator/Blowdown
Separator Composite: 8'- 9' (PID: 142 Units)
Separator Grab: 8' (PID: 148 Units)
Blowdown Comp: 3'-7' (PID:1460 Units)
Blowdown Grab: 10' (PID: 974 Units)
TD:10'
LAB: TPH (EPA 8015) & (EPA 8020)



OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: 22-May-96
COC No.: *4112*
Sample No. *10967*
Job No. *2-1000*

Project Name: ***Bonneville Fuels Federal Lease***
Project Location: ***Scott 'E' No.9; Blowdown Pit***
Sampled by: BV Date: 21-May-96 Time: 10:48
Analyzed by: HR Date: 22-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	151.1	ug/kg	0.2	ug/kg
Toluene	206.5	ug/kg	0.2	ug/kg
Ethylbenzene	863.2	ug/kg	0.2	ug/kg
m,p-Xylene	4129.6	ug/kg	0.2	ug/kg
o-Xylene	59.4	ug/kg	0.2	ug/kg
TOTAL	5409.8	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 5/22/96

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

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: 30-May-96
COC No.: 4112
Sample No. 10967
Job No. 4-1286

Project Name: **Bonneville Fuels Federal Lease**
Project Location: **Scott 'E' No.9; Blowdown Pit**
Sampled by: CG/ML Date: 21-May-96 Time: 13:45
Analyzed by: DC Date: 28-May-96
Sample Matrix: Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	10.7	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	10.7	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	1,198	10.9	15%
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,946	2.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	91	89	(70-130)	2	20%
Diesel Range (C10-C28)	90	88	(70-130)	1	20%

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

Approved by:
Date: 5/30/96

Technology Between Companies and the Environment

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: 22-May-96
COC No.: *4112*
Sample No. *10968*
Job No *2-1000*

Project Name: ***Bonneville Fuels Federal Lease***
Project Location: ***Scott 'E' No.9; Dehy/Sep Pit***
Sampled by: BV Date: 21-May-96 Time: 14:20
Analyzed by: HR Date: 22-May-96
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	25.6	ug/kg	0.2	ug/kg
Toluene	114.2	ug/kg	0.2	ug/kg
Ethylbenzene	492.7	ug/kg	0.2	ug/kg
m,p-Xylene	2967.7	ug/kg	0.2	ug/kg
o-Xylene	962.3	ug/kg	0.2	ug/kg
TOTAL	4562.5	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 5/22/96

OFF: (505) 325-8786

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-5667

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 22-May-96

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

Method Blank

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

Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	18.6	7	15%
Toluene	ppb	20.0	18.9	5	15%
Ethylbenzene	ppb	20.0	18.9	6	15%
m,p-Xylene	ppb	40.0	37.3	7	15%
o-Xylene	ppb	20.0	18.8	6	15%

Matrix Spike

Analyte	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
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

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)	
10967-4112	97	
10968-4112	101	
10969-4112	105	

S1: Flourobenzene

CHAIN OF CUSTODY RECORD

4112

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: _____ Page _____ of _____

Purchase Order No.:	Job No.		
SEND INVOICE TO: Name		REPORT RESULTS TO: Name	Title
Company	Dept.	Company	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
		Telephone No.	Telefax No.
Sampling Location:		Number of Containers	ANALYSIS REQUESTED
Sampler:			

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers										LAB ID
					2	X									
					1		X								
					1		X								

Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: _____ Date _____
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client