

OK
3/19/01
District I
P.O. Box 1980, Hobbs, NM
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: Conoco Inc. San Juan/Lobo Business Unit Telephone (505) 324-5837

Address: 3315 Bloomfield Highway, Farmington, NM 87401

Facility Or: San Juan 28-7-86

Well Name

Location: Unit or Qtr/Qtr Sec. K Sec 7 T27N, R7W, Rio Arriba County

Pit Type: Separator____ Dehydrator____ Other Vent pit

Land Type: BLM X, State____, Fee____, Other____

Pit Location: Pit dimensions: length 12 feet, width 12feet, depth 5 feet
(Attach diagram)

Reference: Wellhead X

other_____

Footage from reference: 45 feet

Direction from reference: 85° South of East

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) 20

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) 20

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 7/30/01 **Date Completed:** 7/30/01

Remediation Method: Excavation ☒ Approx. cubic yards 202

(Check all appropriate

sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____

(ie. landfarmed onsite,

name and location of

offsite facility) _____

General Description Of Remedial Action:

Samples were collected 3 feet into each sidewall, field screened, composited, packaged, and taken to the laboratory for analysis in accordance with NMOCD regulation. Pit had a strong petroleum odor and discolored soils. A green colored sandstone was encountered at 20 feet BGS. Center sample field screened with OVM at 0.0 and PetrolFlag at 98 units. The samples were packaged, and taken to the laboratory for analysis in accordance with NMOCD regulation. Laboratory results are attached.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit:

Sample location Sidewall and Center of Pit

Closure Sampling:

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

Sample depth: 3 feet into Sidewalls
Center of pit at sandstone, 20 feet BGS
Sample Date: 7/30/01 & 8/28/01

|| Sample Time: 08:30 & 09:00

Sample Results

Benzene (ppm) ND

Total BTEX (ppm) Center of Pit: ND,

Field headspace (ppm) Center of Pit: 0.0 Units

Sidewall: NW: 120, SW: 0.0, EW: 4.1, WW: 0.0

TPH (ppm): Center of Pit: ND, Side wall Composite: 31.0 ppm.

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

As an Agent for Conoco Inc I hereby certify that the above is true and complete to the best of my knowledge.

SIGNATURE  DATE 12/4/01

PRINTED NAME Lawrence Trujillo TITLE Environmental Specialist

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client: On Site Technologies Limited
Work Order: 0107050
Lab ID: 0107050-01A **Matrix:** SOIL
Project: 4-1877; 28-7-86

Client Sample Info: 28-7-86
Client Sample ID: Vent Pit-Center @ 18ft
Collection Date: 07/30/2001 10:54:00 AM
COC Record: 11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/08/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	08/04/2001
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	25		µg/Kg	25	08/06/2001
Toluene	ND	50		µg/Kg	25	08/06/2001
Ethylbenzene	ND	25		µg/Kg	25	08/06/2001
m,p-Xylene	ND	50		µg/Kg	25	08/06/2001
o-Xylene	ND	25		µg/Kg	25	08/06/2001

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

1 of 7

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EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client: On Site Technologies Limited
Work Order: 0107050
Lab ID: 0107050-03A **Matrix:** SOIL
Project: 4-1877; 28-7-86

Client Sample Info: 28-7-86
Client Sample ID: Vent Pit Sidewall Comp
Collection Date: 07/30/2001 10:59:00 AM
COC Record: 11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	344	25		mg/Kg	1	08/08/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	30.2	4.5		mg/Kg	25	08/01/2001

Qualifiers:
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ANALYTICAL REPORT

Date: 09-Sep-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0108029	Client Sample ID:	Vent Pit
Lab ID:	0108029-02A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	8/28/2001 9:00:00 AM
		COC Record:	11424

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	31	25		mg/Kg	1	8/30/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	8/30/2001

Qualifiers:

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R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

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Operator: Conoco Inc. San Juan/Lobo Business Unit Telephone (505) 324-5837

Address: 3315 Bloomfield Highway, Farmington, NM 87401

Facility Or: San Juan 28-7-86

Well Name

Location: Unit or Qtr/Qtr Sec. K Sec 7 T27N, R7W, Rio Arriba County

Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 12 feet, width 12 feet, depth 5 feet
(Attach diagram)

Reference: Wellhead ☒ other ☐

Footage from reference: 85 feet

Direction from reference: 25° West of 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) 20

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) 20

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: 7/30/01 **Date Completed:** 7/30/01

Remediation Method: Excavation ☒ Approx. cubic yards 213

(Check all appropriate

sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____

(ie. landfarmed onsite,

name and location of

offsite facility) _____

General Description Of Remedial Action:

Samples were collected 3 feet into each sidewall, field screened, packaged, and taken to the laboratory for analysis in accordance with NMOCD regulation. A green colored sandstone was encountered at 20 feet BGS. Center sample field screened with OVM at 258 units and PetrolFlag at 907 units. The samples were packaged, and taken to the laboratory for analysis in accordance with NMOCD regulation. Laboratory results are attached. East wall was field screened at an OVM reading of 0.0 and PetrolFlag 131 Units. Laboratory results indicated that the east wall had Diesel Range Organics of 128 ppm. The sample was taken near the bottom of the east sidewall, just above the sandstone bedrock. Due to the low concentration of DRO it should not pose a treat to human health or the environment.

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit:

Sample location Sidewall and Center of Pit

Closure Sampling:

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

Sample depth: 3 feet into Sidewalls

Center of pit at sandstone, 20 feet BGS

Sample Date: 7/30/01 & 8/28/01 || Sample Time: 11:45 & 08:30

Sample Results

Benzene (ppm) Center of the pit: ND

Total BTEX (ppm) Center of Pit: ND,

Field headspace (ppm) Center of Pit: 258 Units

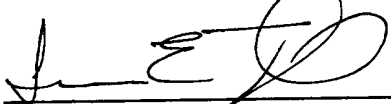
Sidewall: NW: 0.0, SW: 0.0, EW: 18, WW: 0.0

TPH (ppm): Center of Pit: 1549,.

Sidewall: NW: ND, SW: ND, EW: 128 WW: ND

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

As an Agent for Conoco Inc I hereby certify that the above is true and complete to the best of my knowledge.

SIGNATURE  DATE 12/15/01

PRINTED NAME Lawrence Trujillo TITLE Environmental Specialist

Operator: Conoco Inc.
Location Name: San Juan 28-7-86 (Sep/Dehy Pit)
Location: Unit K. Section 7, T27N, R7W
Risk Ranking: 40

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of 40. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is in a well head protection area, and there is a seasonal surface water body (arroyo to the northeast) within 1,000 horizontal feet of the pit location. Bedrock was encountered (sandstone) at 20 feet below ground surface.

The primary source, discharge to pit has been removed. There has been no discharge to the pit for at least four (4) years and the pit has been closed for at least one year.

Each pit was back filled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact with livestock and populations is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within twenty (20) feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstone, shale and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock materials are as follows:

Sandstone	10^{-9} to 10^{-13} cm/sec
Shale	10^{-12} to 10^{-16} cm/sec
Clay	10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) is degrading the residual hydrocarbon to carbon dioxide and water and will continue until source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to effect human health.

Therefore, Conoco Inc. requests closure of this pit location.

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ANALYTICAL REPORT

Date: 22-Aug-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0107050	Client Sample ID:	Dehy/Sep Pit Center @ 19ft
Lab ID:	0107050-02A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	07/30/2001 11:45:00 AM
		COC Record:	11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	299	250		mg/Kg	10	08/08/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	1250	90		mg/Kg	500	08/01/2001

Qualifiers:

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- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surrogate

2 of 7

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FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 09-Sep-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0108029	Client Sample ID:	Dehy Sep. Pit
Lab ID:	0108029-01A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	8/28/2001 8:30:00 AM
		COC Record:	11424

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	ND	25		µg/Kg	25	8/30/2001
Toluene	ND	50		µg/Kg	25	8/30/2001
Ethylbenzene	ND	25		µg/Kg	25	8/30/2001
m,p-Xylene	ND	50		µg/Kg	25	8/30/2001
o-Xylene	ND	25		µg/Kg	25	8/30/2001

Qualifiers:

PQL - Practical Quantitation Limit

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Surr: - Surrogate

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0107050	Client Sample ID:	Sep/Dehy Pit North Wall
Lab ID:	0107050-04A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	07/30/2001 12:28:00 PM
		COC Record:	11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/08/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	08/05/2001

Qualifiers:
PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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E - Value above quantitation range
Surr: - Surrogate

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client: On Site Technologies Limited
Work Order: 0107050
Lab ID: 0107050-05A **Matrix:** SOIL
Project: 4-1877; 28-7-86

Client Sample Info: 28-7-86
Client Sample ID: Sep/Dehy Pit East Wall
Collection Date: 07/30/2001 12:34:00 PM
COC Record: 11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	128	25		mg/Kg	1	08/08/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	08/05/2001

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0107050	Client Sample ID:	Sep/Dehy Pit South Wall
Lab ID:	0107050-06A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	07/30/2001 12:38:00 PM
		COC Record:	11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/13/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	08/05/2001

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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E - Value above quantitation range
Surr: - Surrogate

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LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 22-Aug-01

Client:	On Site Technologies Limited	Client Sample Info:	28-7-86
Work Order:	0107050	Client Sample ID:	Sep/Dehy Pit West Wall
Lab ID:	0107050-07A	Matrix:	SOIL
Project:	4-1877; 28-7-86	Collection Date:	07/30/2001 1:39:00 PM
		COC Record:	11493

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	08/13/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	08/05/2001

Qualifiers:

PQL - Practical Quantitation Limit

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ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

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• TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

11493



CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: 7/20/01
Page: 1 of 1

Purchase Order No.: _____		Project No. <u>4-1877</u>		Name <u>Larry Trull</u>		Title _____	
Name <u>On Site Technologies</u>		Dept. <u>— 327 —</u>		Company <u>On Site Technologies</u>		Mailing Address <u>612 E. Murray Dr.</u>	
Address <u>612 E. Murray Dr.</u>		City, State, Zip <u>Farmington NM 87401</u>		City, State, Zip <u>Farmington NM 87401</u>		Telephone No. <u>— 327 —</u>	
City, State, Zip <u>Farmington NM 87401</u>		Telephone No. <u>— 327 —</u>		Telefax No. <u>— 327 —</u>		Telefax No. <u>— 327 —</u>	
PROJECT LOCATION: <u>287-86</u>				ANALYSIS REQUESTED			
SAMPLER'S SIGNATURE: <u>[Signature]</u>				Containers			
SAMPLE IDENTIFICATION				DATE		TIME	
				MATRIX		PRES.	
V-1 Pit Cont. 10'				7/20/01	10:30	821	Q201
V-2 Pit Cont. 10'				7/20/01	11:45	821	Q201
V-3 Pit Cont. 10'				7/20/01	12:30	821	Q201
V-4 Pit Cont. 10'				7/20/01	12:34	821	Q201
V-5 Pit Cont. 10'				7/20/01	12:38	821	Q201
V-6 Pit Cont. 10'				7/20/01	12:39	821	Q201
V-7 Pit Cont. 10'				7/20/01	12:40	821	Q201
V-8 Pit Cont. 10'				7/20/01	12:41	821	Q201
V-9 Pit Cont. 10'				7/20/01	12:42	821	Q201
V-10 Pit Cont. 10'				7/20/01	12:43	821	Q201
V-11 Pit Cont. 10'				7/20/01	12:44	821	Q201
V-12 Pit Cont. 10'				7/20/01	12:45	821	Q201
V-13 Pit Cont. 10'				7/20/01	12:46	821	Q201
V-14 Pit Cont. 10'				7/20/01	12:47	821	Q201
V-15 Pit Cont. 10'				7/20/01	12:48	821	Q201
V-16 Pit Cont. 10'				7/20/01	12:49	821	Q201
V-17 Pit Cont. 10'				7/20/01	12:50	821	Q201
V-18 Pit Cont. 10'				7/20/01	12:51	821	Q201
V-19 Pit Cont. 10'				7/20/01	12:52	821	Q201
V-20 Pit Cont. 10'				7/20/01	12:53	821	Q201
V-21 Pit Cont. 10'				7/20/01	12:54	821	Q201
V-22 Pit Cont. 10'				7/20/01	12:55	821	Q201
V-23 Pit Cont. 10'				7/20/01	12:56	821	Q201
V-24 Pit Cont. 10'				7/20/01	12:57	821	Q201
V-25 Pit Cont. 10'				7/20/01	12:58	821	Q201
V-26 Pit Cont. 10'				7/20/01	12:59	821	Q201
V-27 Pit Cont. 10'				7/20/01	13:00	821	Q201
V-28 Pit Cont. 10'				7/20/01	13:01	821	Q201
V-29 Pit Cont. 10'				7/20/01	13:02	821	Q201
V-30 Pit Cont. 10'				7/20/01	13:03	821	Q201
V-31 Pit Cont. 10'				7/20/01	13:04	821	Q201
V-32 Pit Cont. 10'				7/20/01	13:05	821	Q201
V-33 Pit Cont. 10'				7/20/01	13:06	821	Q201
V-34 Pit Cont. 10'				7/20/01	13:07	821	Q201
V-35 Pit Cont. 10'				7/20/01	13:08	821	Q201
V-36 Pit Cont. 10'				7/20/01	13:09	821	Q201
V-37 Pit Cont. 10'				7/20/01	13:10	821	Q201
V-38 Pit Cont. 10'				7/20/01	13:11	821	Q201
V-39 Pit Cont. 10'				7/20/01	13:12	821	Q201
V-40 Pit Cont. 10'				7/20/01	13:13	821	Q201
V-41 Pit Cont. 10'				7/20/01	13:14	821	Q201
V-42 Pit Cont. 10'				7/20/01	13:15	821	Q201
V-43 Pit Cont. 10'				7/20/01	13:16	821	Q201
V-44 Pit Cont. 10'				7/20/01	13:17	821	Q201
V-45 Pit Cont. 10'				7/20/01	13:18	821	Q201
V-46 Pit Cont. 10'				7/20/01	13:19	821	Q201
V-47 Pit Cont. 10'				7/20/01	13:20	821	Q201
V-48 Pit Cont. 10'				7/20/01	13:21	821	Q201
V-49 Pit Cont. 10'				7/20/01	13:22	821	Q201
V-50 Pit Cont. 10'				7/20/01	13:23	821	Q201
V-51 Pit Cont. 10'				7/20/01	13:24	821	Q201
V-52 Pit Cont. 10'				7/20/01	13:25	821	Q201
V-53 Pit Cont. 10'				7/20/01	13:26	821	Q201
V-54 Pit Cont. 10'				7/20/01	13:27	821	Q201
V-55 Pit Cont. 10'				7/20/01	13:28	821	Q201
V-56 Pit Cont. 10'				7/20/01	13:29	821	Q201
V-57 Pit Cont. 10'				7/20/01	13:30	821	Q201
V-58 Pit Cont. 10'				7/20/01	13:31	821	Q201
V-59 Pit Cont. 10'				7/20/01	13:32	821	Q201
V-60 Pit Cont. 10'				7/20/01	13:33	821	Q201
V-61 Pit Cont. 10'				7/20/01	13:34	821	Q201
V-62 Pit Cont. 10'				7/20/01	13:35	821	Q201
V-63 Pit Cont. 10'				7/20/01	13:36	821	Q201
V-64 Pit Cont. 10'				7/20/01	13:37	821	Q201
V-65 Pit Cont. 10'				7/20/01	13:38	821	Q201
V-66 Pit Cont. 10'				7/20/01	13:39	821	Q201
V-67 Pit Cont. 10'				7/20/01	13:40	821	Q201
V-68 Pit Cont. 10'				7/20/01	13:41	821	Q201
V-69 Pit Cont. 10'				7/20/01	13:42	821	Q201
V-70 Pit Cont. 10'				7/20/01	13:43	821	Q201
V-71 Pit Cont. 10'				7/20/01	13:44	821	Q201
V-72 Pit Cont. 10'				7/20/01	13:45	821	Q201
V-73 Pit Cont. 10'				7/20/01	13:46	821	Q201
V-74 Pit Cont. 10'				7/20/01	13:47	821	Q201
V-75 Pit Cont. 10'				7/20/01	13:48	821	Q201
V-76 Pit Cont. 10'				7/20/01	13:49	821	Q201
V-77 Pit Cont. 10'				7/20/01	13:50	821	Q201
V-78 Pit Cont. 10'				7/20/01	13:51	821	Q201
V-79 Pit Cont. 10'				7/20/01	13:52	821	Q201
V-80 Pit Cont. 10'				7/20/01	13:53	821	Q201
V-81 Pit Cont. 10'				7/20/01	13:54	821	Q201
V-82 Pit Cont. 10'				7/20/01	13:55	821	Q201
V-83 Pit Cont. 10'				7/20/01	13:56	821	Q201
V-84 Pit Cont. 10'				7/20/01	13:57	821	Q201
V-85 Pit Cont. 10'				7/20/01	13:58	821	Q201
V-86 Pit Cont. 10'				7/20/01	13:59	821	Q201
V-87 Pit Cont. 10'				7/20/01	14:00	821	Q201
V-88 Pit Cont. 10'				7/20/01	14:01	821	Q201
V-89 Pit Cont. 10'				7/20/01	14:02	821	Q201
V-90 Pit Cont. 10'				7/20/01	14:03	821	Q201
V-91 Pit Cont. 10'				7/20/01	14:04	821	Q201
V-92 Pit Cont. 10'				7/20/01	14:05	821	Q201
V-93 Pit Cont. 10'				7/20/01	14:06	821	Q201
V-94 Pit Cont. 10'				7/20/01	14:07	821	Q201
V-95 Pit Cont. 10'				7/20/01	14:08	821	Q201
V-96 Pit Cont. 10'				7/20/01	14:09	821	Q201
V-97 Pit Cont. 10'				7/20/01	14:10	821	Q201
V-98 Pit Cont. 10'				7/20/01	14:11	821	Q201
V-99 Pit Cont. 10'				7/20/01	14:12	821	Q201
V-100 Pit Cont. 10'				7/20/01	14:13	821	Q201
V-101 Pit Cont. 10'				7/20/01	14:14	821	Q201
V-102 Pit Cont. 10'				7/20/01	14:15	821	Q201
V-103 Pit Cont. 10'				7/20/01	14:16	821	Q201
V-104 Pit Cont. 10'				7/20/01	14:17	821	Q201
V-105 Pit Cont. 10'				7/20/01	14:18	821	Q201
V-106 Pit Cont. 10'				7/20/01	14:19	821	Q201
V-107 Pit Cont. 10'				7/20/01	14:20	821	Q201
V-108 Pit Cont. 10'				7/20/01	14:21	821	Q201
V-109 Pit Cont. 10'				7/20/01	14:22	821	Q201
V-110 Pit Cont. 10'				7/20/01	14:23	821	Q201
V-111 Pit Cont. 10'				7/20/01	14:24	821	Q201
V-112 Pit Cont. 10'				7/20/01	14:25	821	Q201
V-113 Pit Cont. 10'				7/20/01	14:26	821	Q201
V-114 Pit Cont. 10'				7/20/01	14:27	821	Q201
V-115 Pit Cont. 10'				7/20/01	14:28	821	Q201
V-116 Pit Cont. 10'				7/20/01	14:29	821	Q201
V-117 Pit Cont. 10'				7/20/01	14:30	821	Q201
V-118 Pit Cont. 10'				7/20/01	14:31	821	Q201
V-119 Pit Cont. 10'				7/20/01	14:32	821	Q201
V-120 Pit Cont. 10'				7/20/01	14:33	821	Q201
V-121 Pit Cont. 10'				7/20/01	14:34	821	Q201
V-122 Pit Cont. 10'				7/20/01	14:35	821	Q201
V-123 Pit Cont. 10'				7/20/01	14:36	821	Q201
V-124 Pit Cont. 10'				7/20/01	14:37	821	Q201
V-125 Pit Cont. 10'				7/20/01	14:38	821	Q201
V-126 Pit Cont. 10'				7/20/01	14:39	821	Q201
V-127 Pit Cont. 10'				7/20/01	14:40	821	Q201
V-128 Pit Cont. 10'				7/20/01	14:41	821	Q201
V-129 Pit Cont. 10'				7/20/01	14:42	821	Q201
V-130 Pit Cont. 10'				7/20/01	14:43	821	Q201
V-131 Pit Cont. 10'				7/20/01	14:44	821	Q201
V-132 Pit Cont. 10'				7/20/01	14:45	821	Q201
V-133 Pit Cont. 10'				7/20/01	14:46	821	Q201
V-134 Pit Cont. 10'				7/20/01	14:47	821	Q201
V-135 Pit Cont. 10'				7/20/01	14:48	821	Q201
V-136 Pit Cont. 10'				7/20/01	14:49	821	Q201
V-137 Pit Cont. 10'				7/20/01	14:50	821	Q201
V-138 Pit Cont. 10'				7/20/01	14:51	821	Q201
V-139 Pit Cont. 10'				7/20/01	14:52	821	Q201
V-140 Pit Cont. 10'				7/20/01	14:53	821	Q201
V-141 Pit Cont. 10'				7/20/01	14:54	821	Q201
V-142 Pit Cont. 10'				7/20/01	14:55	821	Q201
V-143 Pit Cont. 10'				7/20/01	14:56	821	Q201
V-144 Pit Cont. 10'				7/20/01	14:57	821	Q201
V-145 Pit Cont. 10'				7/20/01	14:58	821	Q201
V-146 Pit Cont. 10'				7/20/01	14:59	821	Q201
V-147 Pit Cont. 10'				7/20/01	15:00	821	Q201
V-148 Pit Cont. 10'				7/20/01	15:01	821	Q201
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V-153 Pit Cont. 10'				7/20/01	15:06	821	Q201
V-154 Pit Cont. 10'				7/20/01	15:07	821	Q201
V-155 Pit Cont. 10'				7/20/01	15:08	821	Q201
V-156 Pit Cont. 10'				7/20/01	15:09	821	Q201
V-157 Pit Cont. 10'				7/20/01	15:10	821	Q201
V-158 Pit Cont. 10'				7/20/01	15:11	821	Q201
V-159 Pit Cont. 10'				7/20/01	15:12	821	Q201
V-160 Pit Cont. 10'				7/20/01	15:13	821	Q201
V-161 Pit Cont. 10'				7/20/01	15:14	821	Q201
V-162 Pit Cont. 10'				7/20/01	15:15	821	Q201
V-163 Pit Cont. 10'				7/20/01	15:16	821	Q201
V-164 Pit Cont. 10'				7/20/01	15:17	821	Q201
V-165 Pit Cont. 10'				7/20/01	15:18	821	Q201
V-166 Pit Cont. 10'				7/20/01	15:19	821	Q201
V-167							

District I
P.O. Box 1980, Hobbs, NM
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

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

Landfarm Remediation and Closure Report

Owner/Operator: Conoco Inc

Telephone: (505) 324-5884

Address: 3315 Bloomfield Highway, Farmington, NM 87401

Facility or Well Name: San Juan 28-7-86

Location: Unit or QTR/Qtr K, Section: 7, T27N, R7W County: Rio Arriba

Land Type BLM X, State , Fee , Other

Landfarm location Length: 130' Width: 60'

Reference: Wellhead: X Other:

Footage from reference: 87 feet

Direction from reference: 87° North of West

Refer to attached map for land farm location

GENERAL DISCRIPTION of LANDFARM ACTIVITIES:

Landfarm is located approximately 87 feet north of west of wellhead and measured 60 feet by 130 feet. Soils were placed in landfarm in 8 to 12 inch lifts. Landfarm was sampled on 10/09/01. 12 grab samples were arbitrarily collected from the landfarm and composited. Refer to attached laboratory results

SAMPLING INFORMATION

Type of sample: Grab: Composite: 12 points

Sample Depth : 6 to 8 inches

Sample Date: 10/09/01 Sample Time: 07:45

Laboratory Analysis: BTEX NA (ppm) TPH ND (ppm)

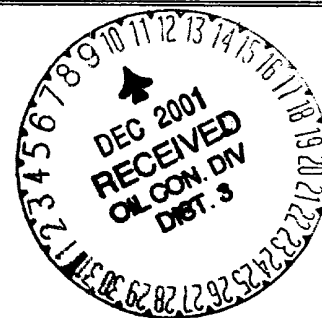
OVM/PID 0.0 Units

Refer to attached map for sample location. Laboratory results attached

As an Agent for Conoco Inc I hereby certify that the above is true and complete to the best of my knowledge.

SIGNATURE DATE

PRINTED NAME Lawrence Trujillo TITLE Environmental Specialist



On Site Technologies Limited Partnership

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 26-Oct-01

Client:	On Site Technologies Limited	Client Sample Info:	San Juan 28-7-86
Work Order:	0110010	Client Sample ID:	Landfarm; 12pt. Composite
Lab ID:	0110010-01A	Matrix:	SOIL
Project:	4-1877; San Juan 28-7-86	Collection Date:	10/09/2001 7:45:00 AM
		COC Record:	11582

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/21/2001
GASOLINE RANGE ORGANICS		SW8015B				Analyst: DM
T/R Hydrocarbons: C6-C10	ND	4.5		mg/Kg	25	10/17/2001

Qualifiers:

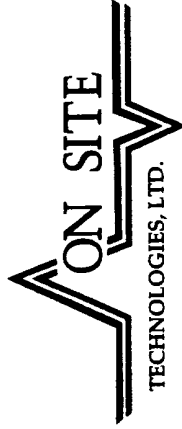
PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

EMAIL: ONSITE@ONSITELTD.COM

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



CHAIN OF CUSTODY RECORD

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 327-1496

Date: 10/9/01

Page: 1 of 2

Purchase Order No.:		Project No. <u>4-1877</u>		REPORT RESULTS TO		Name <u>Larry Trujillo</u> Title	
SEND INVOICE TO		Name <u>On Site Tech.</u>		Company <u>On Site Tech.</u>		Company <u>On Site Tech.</u>	
Address <u>612 E. Murray</u>		Dept.		Mailing Address <u>612 E. Murray Dr.</u>		Mailing Address <u>612 E. Murray Dr.</u>	
City, State, Zip <u>Farmington NM 87401</u>		City, State, Zip <u>Farmington NM 87401</u>		City, State, Zip <u>Farmington NM 87401</u>		City, State, Zip <u>Farmington NM 87401</u>	
PROJECT LOCATION: <u>San Juan 28-71-36</u>		Telephone No. <u>505-327-1496</u>		Telephone No. <u>505-327-1496</u>		Telephone No. <u>505-327-1496</u>	
SAMPLER'S SIGNATURE: <u>[Signature]</u>		Number of Containers		ANALYSIS REQUESTED			
SAMPLE IDENTIFICATION		DATE		TIME		MATRIX	
10-09-01		10:45		Soil		Cool	
Relinquished by: <u>[Signature]</u>		Date/Time <u>10/9/01</u>		Received by: <u>[Signature]</u>		Date/Time <u>10/9/01</u>	
Relinquished by:		Date/Time		Received by:		Date/Time	
Relinquished by:		Date/Time		Received by:		Date/Time	
Method of Shipment:		Rush		24-48 Hours		10 Working Days	
By Date		By Date		By Date		By Date	
Special Instructions / Remarks:		Special Instructions / Remarks:		Special Instructions / Remarks:		Special Instructions / Remarks:	
Authorized by: _____ Date _____		Authorized by: _____ Date _____		Authorized by: _____ Date _____		Authorized by: _____ Date _____	
(Client Signature Must Accompany Request)		(Client Signature Must Accompany Request)		(Client Signature Must Accompany Request)		(Client Signature Must Accompany Request)	