District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com
Address: 3401 East 30th Street, Farmington, New Mexico, 87402
Facility or well name: Howell C Well No. 1 API #: 30045088110000 U/L or Qtr/Qtr B Sec 01 T 29N R 8W
County: San Juan Latitude 36.50707 Longitude -107.9699 NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**		
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____mil Clay ☐ Pit Volume _____bbl	Volume: 60 bbl Type of fluid: Produced Water and Incidental Oil Construction material: Fiberglass Double-walled, with leak detection? Yes ☐ If not, explain why not. No. Tank in place prior to Rule 50.		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (0 points)	20
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	10
	Ranking Score (Total Points)		30

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☒ If offsite, name of facility *Industrial Ecosystems Landfarm . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Please note that Total Petroleum Hydrocarbons analyses by USEPA Methods 418.1 and 8021 are attached.

* A total of 1740 cubic yards of soil were disposed of both onsite and offsite. Approximately 820 cubic yards of contaminated soil were disposed of onsite in two (2) onsite landfarms. Approximately 920 cubic yards of soil were disposed of offsite at Industrial Ecosystems Landfarm.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 3/16/05
Printed Name/Title Ed Hasely Signature Ed Hasely

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Denny Foust Date: MAR 17 2005

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: ____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 67

LOCATION: NAME: Howell C #1 WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990N 1650E CONTRACTOR: Silver Star

DATE STARTED: 01/20/05
DATE FINISHED: 01/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 20 FT. x 30 FT. x 20 FT. DEEP. CUBIC YARDAGE: 400
DISPOSAL FACILITY: Onsite (see map) REMEDIATION METHOD: Land farm
LAND USE: ____ LEASE: SF 078596 FORMATION: ____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ≈ 80' NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: ≈ 300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

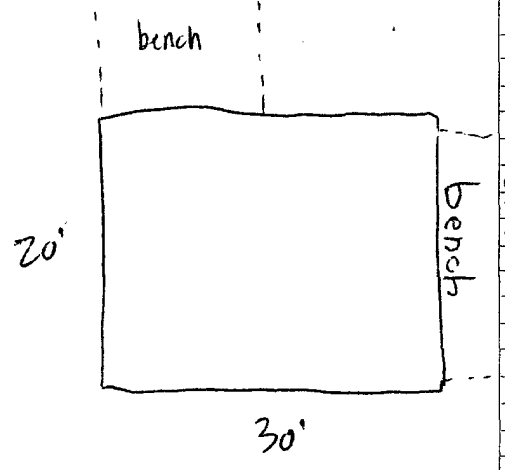
SOIL AND EXCAVATION DESCRIPTION:
End of day 1 - excavation was 20' x 30' and 20' deep - totaling approx. 400 yd³ soil in NE corner and E wall of excavation still gray.

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER - DAY 1



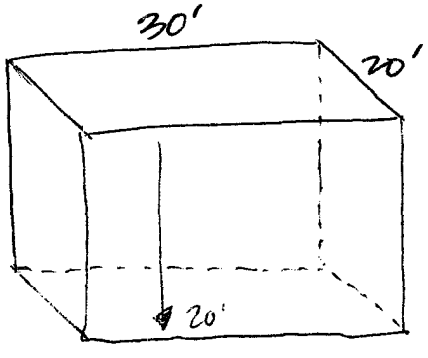
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 5' bott.	740
2 E wall	295
3 N wall	207
4 11' bott.	948
5 15 bott.	570
6 15 bott.	1015
7 17' bott.	965
8 N Wall	15
9 20' bott	1000
10 22' bott	650

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: ____ ONSITE: ____

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: ———

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 2 of 67

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990 N 1650 E CONTRACTOR:

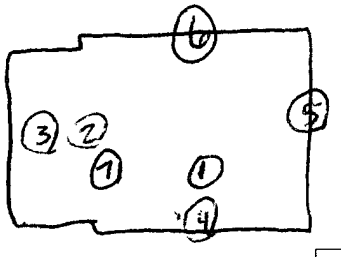
DATE STARTED: 1/20/05
DATE FINISHED: 1/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 45 FT. x 30 FT. x 20 (depth varies) FT. DEEP. CUBIC YARDAGE: 700 total
DISPOSAL FACILITY: On site REMEDIATION METHOD: Landform
LAND USE: ——— LEASE: ——— FORMATION: ———

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~80' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: ~300'
NMOCD RANKING SCORE: 20' NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:



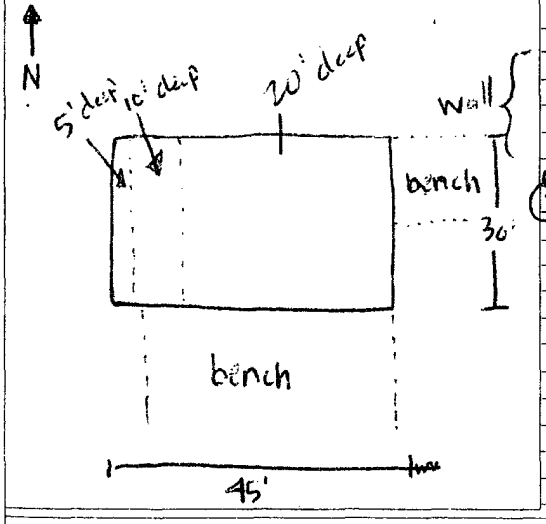
Sample 1 was taken in the center of the excavation @ the max. depth (approx. 20'). Samples 4,5,6,7 were taken on the sidewalls at 20' depth. Samples 2,3 were taken at 10' depth searching for western limit of contamination

Excavation - Day 2
SCALE
0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER



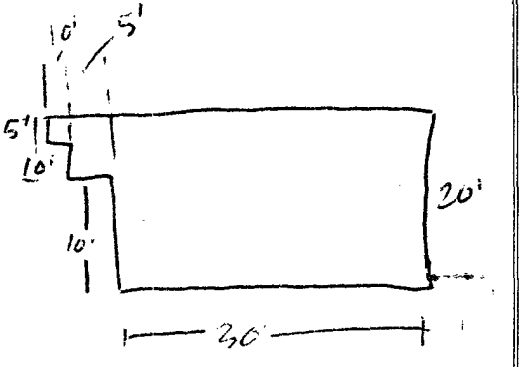
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 bottom	771
2 10'(W)	704
3 10'(W)	762
4 (S) bottom	342
5 (E) bottom	394
6 (N) Wall	723
7 (W) Wall	690

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: ——— ONSITE: ———

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: 13512

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 3 of 67

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990 N 1650 E CONTRACTOR: Silver Star

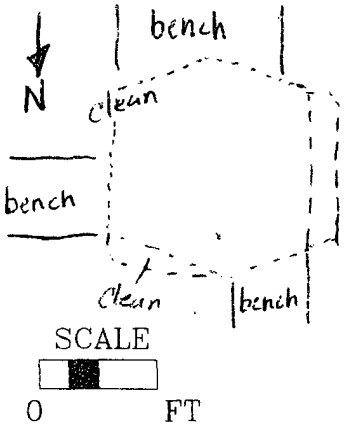
DATE STARTED: 1/20/05
DATE FINISHED: 1/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 30 FT. x 55 FT. x 20 (varies) FT. DEEP. CUBIC YARDAGE: 1100 (total)
DISPOSAL FACILITY: Onsite REMEDIATION METHOD: Landfarm
LAND USE: _____ LEASE: SF 078596 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 140 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~80' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: ~300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
_____ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION: approx. 300 yd³ 1/24/05

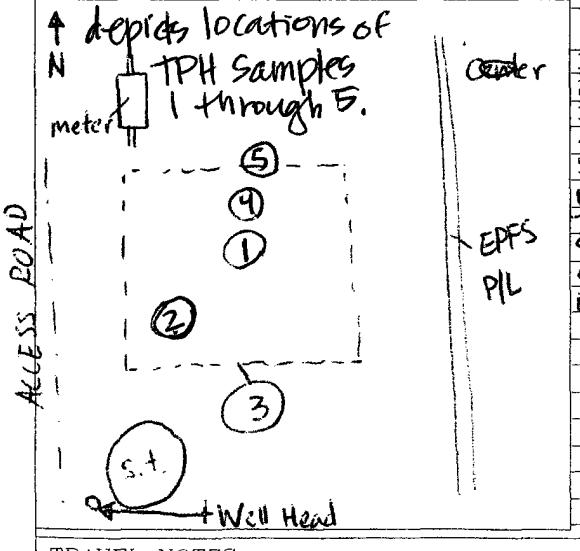


Soil in NW and SW corners still gray, soil in middle of east wall still gray at end of day.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
10:00	center (-23')	1	10.0	20	30	54	3240
10:20	SW cor. (-23')	2	10.0	20	30	42	2520
11:45	South Wall	3	10.0	20	-	19	38

PIT PERIMETER



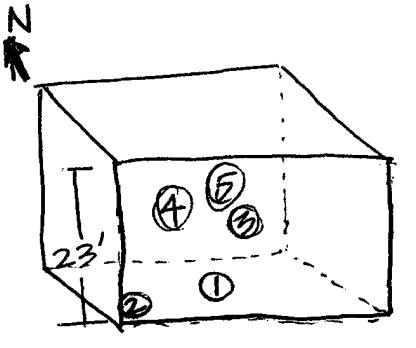
OVM RESULTS

SAMPLE ID	PID (ppm)
1 ~~Center~~ SW cor (bottom)	706
2 center	624
3 ~~SW~~ E Wall	57
4 SW Wall	5.4
5 E Wall - 15'	806
6 N Wall - 15'	20
7 N Wall	0
8 E Wall	4
9 N Wall	0
10	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
①	8201 B	
②	8201 B	

PIT PROFILE



Depicts locations of TPH samples 1 through 5.

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C #1
C.O.C. NO: ~~#5~~

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 4 of 7

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29 N RNG: 8 W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990N 1650E CONTRACTOR: Silver Star

DATE STARTED: 1/20/05
DATE FINISHED: 1/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 30 FT. x 55 FT. x 20 FT. DEEP. CUBIC YARDAGE: 1100 (total)
DISPOSAL FACILITY: Onsite REMEDIATION METHOD: Landfarm
LAND USE: _____ LEASE: SF 078596 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~80' NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: 300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

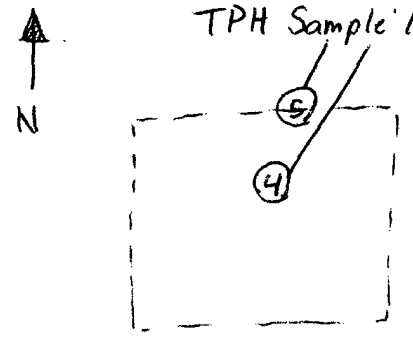
Continuation of 1/24/05 - 2 additional TPH samples Locations shown on pit perimeter. Northern extent of contamination reached.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
13:30	N-Wall (15')	4	10.0	20.0	10	57	1140
14:20	N-Wall (15')	5	10.0	20.	-	10	20

SCALE
0 FT

PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

See Pit Profile on page 3 of 7.

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: ---

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 5 of 7

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990 N 1650 E CONTRACTOR: Silver Star

DATE STARTED: 01/20/05
DATE FINISHED: 01/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 50 FT. x 55 FT. x 20 FT. DEEP. CUBIC YARDAGE: 1500 total
DISPOSAL FACILITY: Onsite REMEDIATION METHOD: Landfarm
LAND USE: ____ LEASE: SF 078596 FORMATION: ____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 160 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~80' NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: ~300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

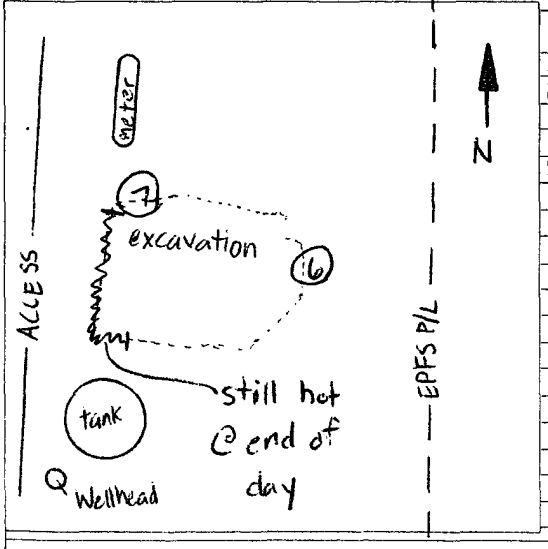
- Onsite landFarm Filled today. Loads of contaminated soil have been taken to a landfarm located in Crouch Mesa - Farmington, NM. Soil will also be taken to another well - located approx. 1/4 mile to the west.
- Approx 400 yd³ - 01/25/05, N, E, W walls at less than 100 ppm TPH at end of day.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
10:50	E Wall (15')	6	10.02	20.0	-	5	10
11:45	N Wall	7	10.0	20.0	-	0	0

SCALE
0 FT

PIT PERIMETER



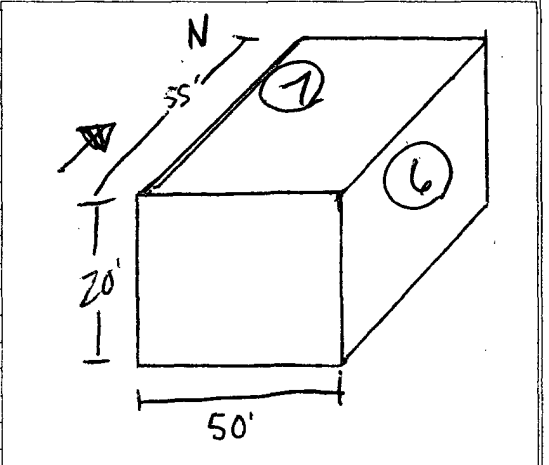
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 E Wall (15')	1.0
2 N Wall (13')	1.6
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: ____ ONSITE: ____

CLIENT: Burlington Resources

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: ____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 6 of 17

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990N 1650E CONTRACTOR: Silver Star

DATE STARTED: 01/20/05
DATE FINISHED: 01/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 55 FT. x 55 FT. x 20 (varies) FT. DEEP. CUBIC YARDAGE: 1700 Total
DISPOSAL FACILITY: Onsite (full) - 3 Crouch Mesa Landfarm REMEDIATION METHOD: ~~Onsite~~ Landfarm
LAND USE: ____ LEASE: SF 078596 FORMATION: ____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: ~80' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: ~300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

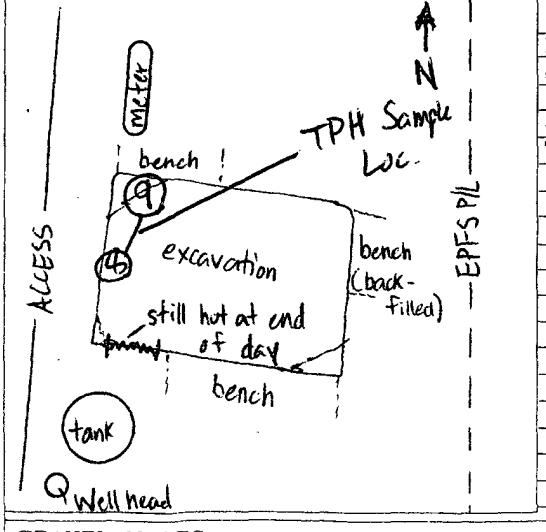
- Clean soil is being stock-piled to the East of the excavation.
- Belly dumps & a tandem are hauling contaminated soil to Crouch Mesa landfarm.
- At beginning of day, West wall & SW corner still hot.
- 200 yd³ excavated today

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
10:50	W Wall	8	10.0	20.0	-	1	2
11:20	NW Corner	9	10.0	20.0	-	0	0
	~~SW corner~~	~~10~~					

SCALE
0 FT

PIT PERIMETER



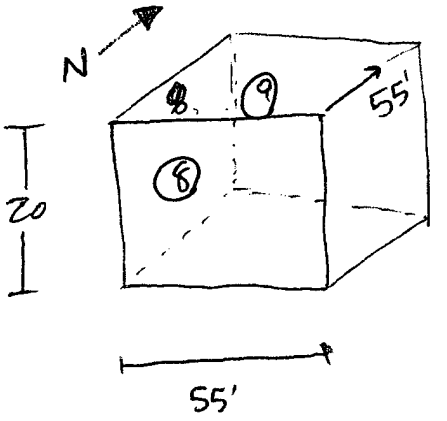
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 W Wall	0
2 NW cor	0
3 SW cor	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: ____ ONSITE: ____

CLIENT: Burlington Resources

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

LOCATION NO: C#1
C.O.C. NO: ———

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 7 of 7

LOCATION: NAME: Howell C WELL #: 1 PIT:
QUAD/UNIT: SEC: 1 TWP: 29N RNG: 8W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: 990N 1650E CONTRACTOR: Silver Star

DATE STARTED: 01/20/05
DATE FINISHED: 01/27/05
ENVIRONMENTAL SPECIALIST: JLB

EXCAVATION APPROX. 55 FT. x 55 FT. x 20 (varies) FT. DEEP. CUBIC YARDAGE: 1740 Total
DISPOSAL FACILITY: Onsite (Full) - Offsite (Crouch Mesa) REMEDIATION METHOD: Landfarm
LAND USE: _____ LEASE: SF 078596 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 180 FT. 5° FROM WELLHEAD.
DEPTH TO GROUNDWATER: 80' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: 300'
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
✓ STEEL TANK INSTALLED

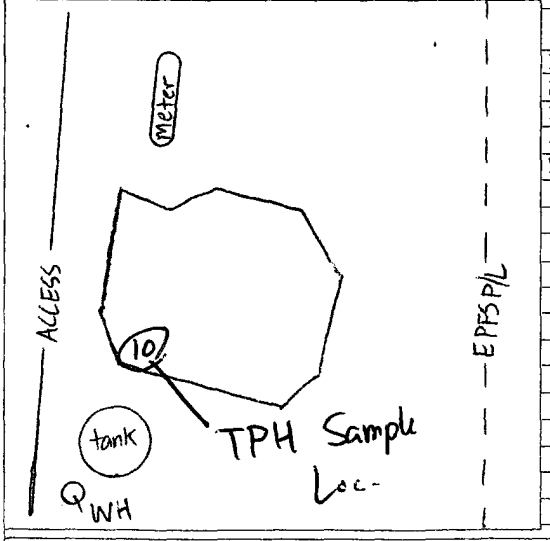
SOIL AND EXCAVATION DESCRIPTION:

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1340	SW corner	10	10.0	20.0	-	2	4

SCALE
0 FT

PIT PERIMETER



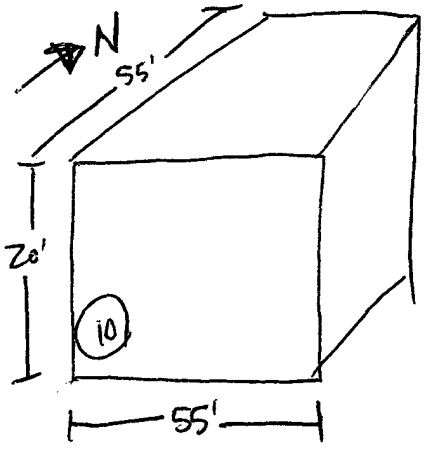
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 SW corner	2 (15')
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	1	Date Reported:	2/11/2005
Sample ID:	Center, 3' Below Maximum Depth @ 23'	Date Sampled:	1/24/2005
		Date Analyzed:	1/24/2005
Sample Matrix:	Soil	Analysis Needed:	TPH-418.1
Preservative:	Cool		
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**3,240**	**150**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

Analyst

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	2	Date Reported:	2/11/2005
Sample ID:	Southwest Corner, 3' Below Maximum Depth @ 23'	Date Sampled:	1/24/2005
		Date Analyzed:	1/24/2005
Sample Matrix:	Soil	Analysis Needed:	TPH-418.1
Preservative:	Cool		
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**2,520**	**150**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	3	Date Reported:	2/11/2005
Sample ID:	Southwest Wall @ 12'	Date Sampled:	1/24/2005
Sample Matrix:	Soil	Date Analyzed:	1/24/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**38.0**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	4	Date Reported:	2/11/2005
Sample ID:	North Wall @ 15'	Date Sampled:	1/24/2005
Sample Matrix:	Soil	Date Analyzed:	1/24/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**1,140**	**50**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	5	Date Reported:	2/11/2005
Sample ID:	North Wall @ 15'	Date Sampled:	1/24/2005
Sample Matrix:	Soil	Date Analyzed:	1/24/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**20.0**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	6	Date Reported:	2/11/2005
Sample ID:	East Wall @ 15'	Date Sampled:	1/25/2005
Sample Matrix:	Soil	Date Analyzed:	1/25/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10.0**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	7	Date Reported:	2/11/2005
Sample ID:	North Wall @ 15'	Date Sampled:	1/25/2005
Sample Matrix:	Soil	Date Analyzed:	1/25/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

Analyst _____ Review _____

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	8	Date Reported:	2/11/2005
Sample ID:	West Wall @ 15'	Date Sampled:	1/26/2005
Sample Matrix:	Soil	Date Analyzed:	1/26/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	9	Date Reported:	2/11/2005
Sample ID:	Northwest Corner @ 15'	Date Sampled:	1/26/2005
Sample Matrix:	Soil	Date Analyzed:	1/26/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-023
Sample No.:	10	Date Reported:	2/11/2005
Sample ID:	Southwest Corner @ 15'	Date Sampled:	1/27/2005
Sample Matrix:	Soil	Date Analyzed:	1/27/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**ND**	**5.0**

ND = Parameter not detected at the stated detection limit.

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

Comments: **Howell C # 1**

Instrument callibrated to 200 ppm standard. Zeroed before each measurement.

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-023
Sample ID:	Center of Pit	Date Reported:	01-25-05
Laboratory Number:	31746	Date Sampled:	01-24-05
Chain of Custody:	13512	Date Received:	01-24-05
Sample Matrix:	Soil	Date Analyzed:	01-25-05
Preservative:	Cool	Date Extracted:	01-25-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**109**	**2.1**
Toluene	**218**	**1.8**
Ethylbenzene	**3,580**	**1.7**
p,m-Xylene	**1,410**	**1.5**
o-Xylene	**484**	**2.2**
Total BTEX	**5,800**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**94.0 %**
	1,4-difluorobenzene	**94.0 %**
	Bromochlorobenzene	**94.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gobernador - Howell C #1 23' depth.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-023
Sample ID:	Corner of Pit	Date Reported:	01-25-05
Laboratory Number:	31747	Date Sampled:	01-24-05
Chain of Custody:	13512	Date Received:	01-24-05
Sample Matrix:	Soil	Date Analyzed:	01-25-05
Preservative:	Cool	Date Extracted:	01-25-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**110**	**2.1**
Toluene	**1,360**	**1.8**
Ethylbenzene	**9,550**	**1.7**
p,m-Xylene	**3,770**	**1.5**
o-Xylene	**1,510**	**2.2**
Total BTEX	**16,300**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**94.0 %**
	1,4-difluorobenzene	**94.0 %**
	Bromochlorobenzene	**94.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Gobernador - Howell C #1 23' depth.**

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