

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: Resource Development Technology LLC Telephone: (303) 716-3200 e-mail address: ras.rdt@mindspring.com

Address: P.O. Box 1020, Morrison, CO 80465

Facility or well name: Old Rock Fed. Com. #3 API #: 30-039-20549 U/L or Qtr/Qtr: 830' FSL & 850' FEL, Unit 'I' of Sec. 28 T25N R6W

County: Rio Arriba Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐

Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness _____ mil Clay ☐

Pit Volume 55 bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

20

100 feet or more

(0 points)

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 all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

10

1000 feet or more

(0 points)

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 you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (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: One unlined production pit was remediated by excavating contaminated soil and landfarming the soil on-site. The pit was the original production pit north of the separator. The pit had an improperly installed 55-bbl fiberglass tank in it, which was removed. Approximately 622 cubic yards of soil were excavated from this pit. Initial pit samples were taken on 6/28/04. Based on field screening, additional soil was removed from the pit bottom. On 6/29/04, after additional excavation, a composite wall sample and a composite bottom sample were taken from the pit and sent to the laboratory for TPH and BTEX analysis. The land farm was sampled multiple times, with the final sample collected on 5/25/05. The site diagram and sample results are attached. All FINAL sample results are less than the 100 ppm TPH standard for the site.

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: 9/5/2006

Printed Name/Title Robert A. Schwering, PE, Operations Manager

Signature [Signature]

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:

DEPUTY OIL & GAS INSPECTOR, DIST. #2

Printed Name/Title

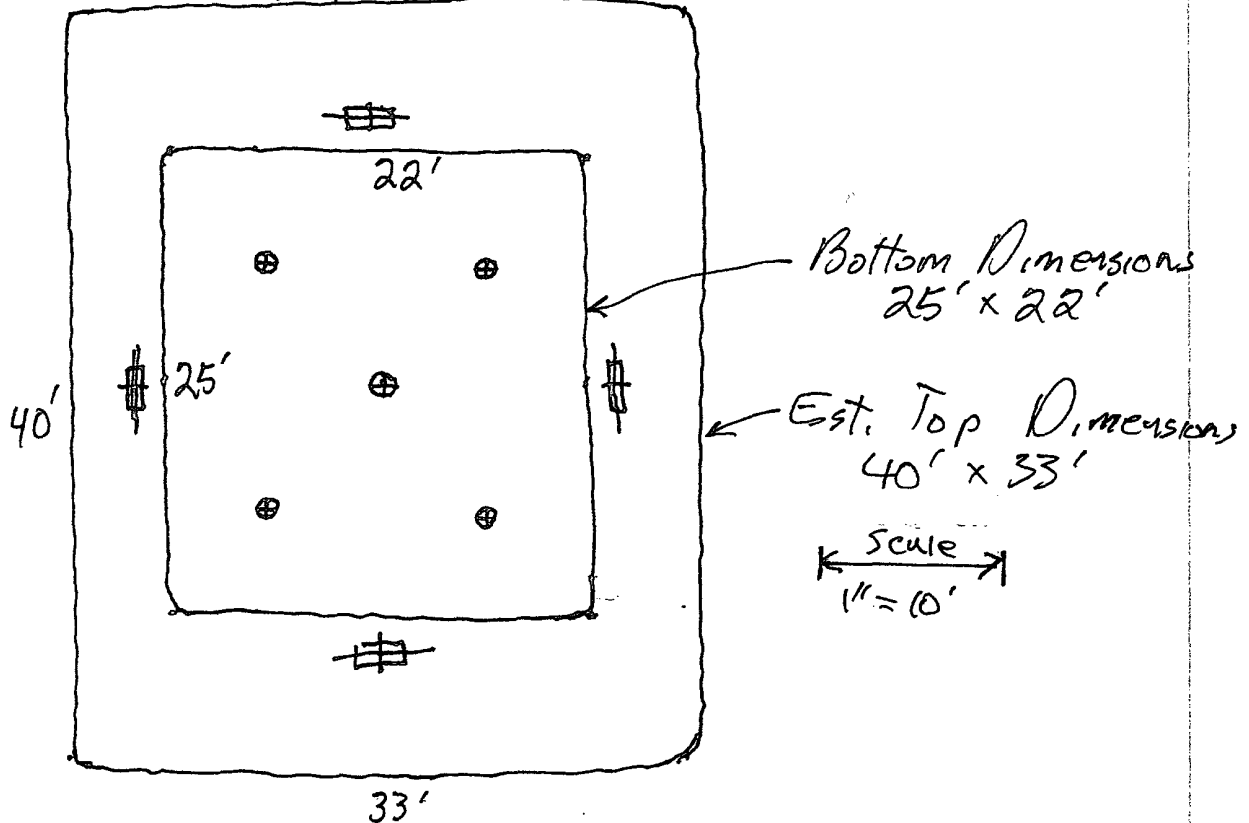
Signature [Signature]

Date: SEP 05 2006

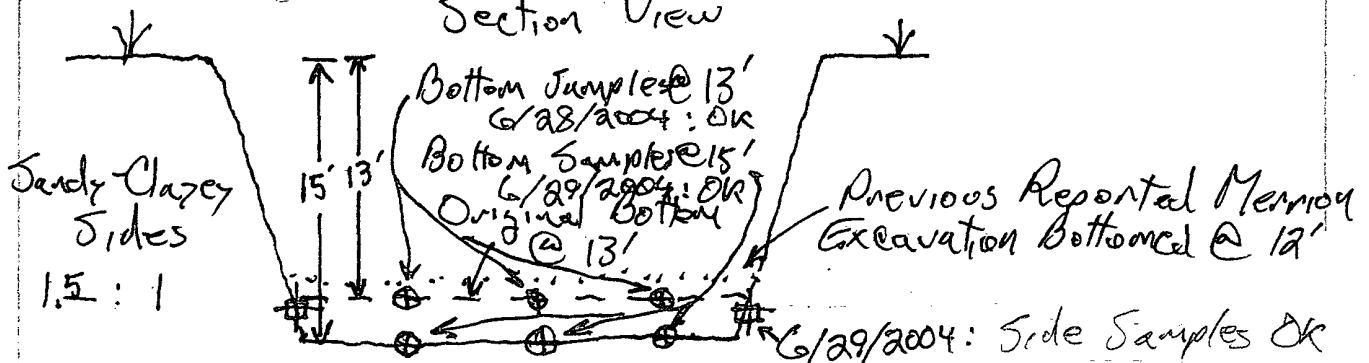
Old Rock Fed. Can. #3 Figure 1 Earthen Pit Schematics

- ⊕: Approx. Sampling Points for Bottom Composite Samples (5 Spots)
- #: Approx. Sampling Points for Side Composite Samples (4 Spots)

Plan View



Section View



Initially Excavated to 13': Still Showed Oily Dirt Splashes in Bottom: Sampled Bottom

Ordered Excavation to 15': No Oily Splashes on Bottom

FIGURE 2: LOCATION SCHEMATIC

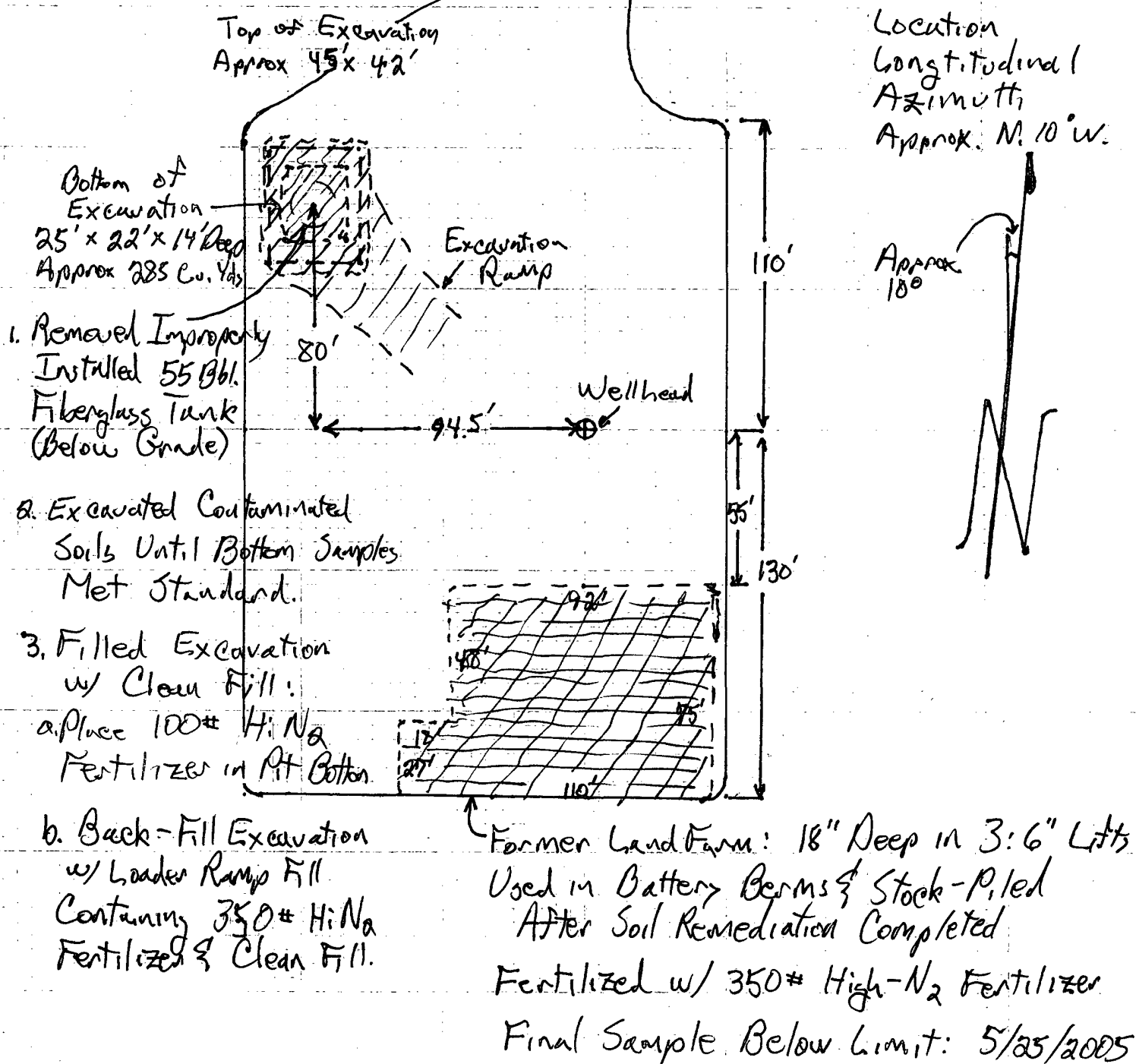
Old Rock Fed. Com. #3 Well:

API #: 30-039-20549

830' MSL & 850' FEL, Unit 'I'

Section 28, T25N, R6W

Rio Arriba Co., NM



Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 406-141-17

Date Received: 06/29/04

Date Reported: 07/02/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: Old 3 Pit Bottom 13

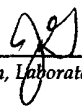
Sample Date: 06/28/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Ethylbenzene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Toluene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Xylene, total	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
TPHGRO	8015	0.1	<0.1	1	mg/kg	07/01/04	LM
TPHDRO	8015	10	25.1	1	mg/kg	07/01/04	LM
Total TPH	8015/8021		25.1	1	mg/kg	07/01/04	LM


John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 406-141-30

Date Received: 06/29/04

Date Reported: 07/02/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: Old 3 Pit Bottom 15

Sample Date: 06/29/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Ethylbenzene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Toluene	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
Xylene, total	8021	0.005	<0.005	1	mg/kg	07/01/04	LM
TPHGRO	8015	0.1	4.64	1	mg/kg	07/01/04	LM
TPHDRO	8015	10	22.9	1	mg/kg	07/01/04	LM
Total TPH	8015/8021		27.5	1	mg/kg	07/01/04	LM


John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 406-141-31

Date Received: 06/29/04

Date Reported: 07/12/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: Old 3 Pit Sides 15

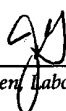
Sample Date: 06/29/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Ethylbenzene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Toluene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Xylene, total	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
TPHGRO	8015	0.1	<0.1	1	mg/kg	07/08/04	LM
TPHDRO	8015	10	<10	1	mg/kg	07/11/04	LM
Total TPH	8015/8021		<10	1	mg/kg	07/11/04	LM


John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 406-141-29

Date Received: 06/29/04

Date Reported: 07/12/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: Old 3 Land

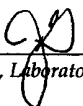
Sample Date: 06/28/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Ethylbenzene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Toluene	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
Xylene, total	8021	0.005	<0.005	1	mg/kg	07/08/04	LM
TPHGRO	8015	0.1	<0.1	1	mg/kg	07/08/04	LM
TPHDRO	8015	10	232	1	mg/kg	07/11/04	LM
Total TPH	8015/8021		232	1	mg/kg	07/11/04	LM


John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 406-141-19

Date Received: 06/29/04

Date Reported: 07/12/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: Old 3 Pile

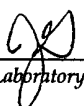
Sample Date: 06/28/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	0.005	<0.005	1	mg/kg	07/07/04	LM
Ethylbenzene	8021	0.005	<0.005	1	mg/kg	07/07/04	LM
Toluene	8021	0.005	<0.005	1	mg/kg	07/07/04	LM
Xylene, total	8021	0.005	<0.005	1	mg/kg	07/07/04	LM
TPHGRO	8015	0.1	<0.1	1	mg/kg	07/07/04	LM
TPHDRO	8015	10	41.4	1	mg/kg	07/11/04	LM
Total TPH	8015/8021		41.4	1	mg/kg	07/11/04	LM


John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 408-127-28

Date Received: 08/26/04

Date Reported: 09/10/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: OR 3 Pile 1

Sample Date: 08/25/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	ANALYST
		LIMIT	RESULT			ANALYZED	
Benzene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
TPHGRO	8015	100	<100	1	µg/kg	09/10/04	LM
TPHDRO	8015	10	102	1	mg/kg	09/08/04	LM
Total TPH			102				

For D3
John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology LLC
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

GAL I.D.: 408-127-29

Date Received: 08/26/04

Date Reported: 09/10/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: OR 3 Pile 2

Sample Date: 08/25/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	ANALYST
		LIMIT	RESULT			ANALYZED	
Benzene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	09/10/04	LM
TPHGRO	8015	100	<100	1	µg/kg	09/10/04	LM
TPHDRO	8015	10	10	1	mg/kg	09/08/04	LM
Total TPH			10				

D3
For John Green, Laboratory Manager

Green Analytical Laboratories, Inc.
75 Suttle Street
Durango, CO 81303

Resource Development Technology
PO Box 1020
Morrison, CO 80465
Attention: Bob Schwering

PROJECT NAME: RDT Pits
PROJECT NUMBER:
SAMPLE I.D.: OR 3 Land

GAL I.D.: 412-030-24

Date Received: 12/07/04

Date Reported: 12/20/04

QC Batches:

Sample Date: 12/06/04

Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Benzene	8021	5.0	<5.0	1	µg/kg	12/17/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	12/17/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	12/17/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	12/17/04	LM
TPHGRO	8015	100	<100	1	µg/kg	12/17/04	LM
TPHDRO	8015	10	125	1	mg/kg	12/20/04	LM
TOTN TPH			125				

D. Zufeld
for: John Green, Laboratory Manager

Green Analytical
75 Suttle Street
Durango CO, 81303

Project: RDT Pits
Project Number: S05-099
Project Manager: Bob Schwening

Reported:
07/01/05 15:45

Old Rock #3 Land Farm

RAS2-004
T500649-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015m

C6-C12 (GRO)	ND	500	ug/kg	1	5052709	05/27/05	05/30/05	EPA 8015m
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Surrogate: 4-Bromofluorobenzene	99.2 %	65-135	"	"	"	"	"
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Extractable Petroleum Hydrocarbons by 8015

Diesel Range Hydrocarbons	ND	10	mg/kg	1	5052707	05/27/05	06/03/05	EPA 8015m
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Volatile Organic Compounds by EPA Method 8021B

Benzene	ND	5.0	ug/kg	1	5052709	05/27/05	05/30/05	EPA 8021B
Toluene	ND	5.0	"	"	"	"	"	"
Ethylbenzene	ND	5.0	"	"	"	"	"	"
m,p-Xylene	ND	10	"	"	"	"	"	"
o-Xylene	ND	5.0	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene	99.2 %	65-135	"	"	"	"	"
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Total TPH

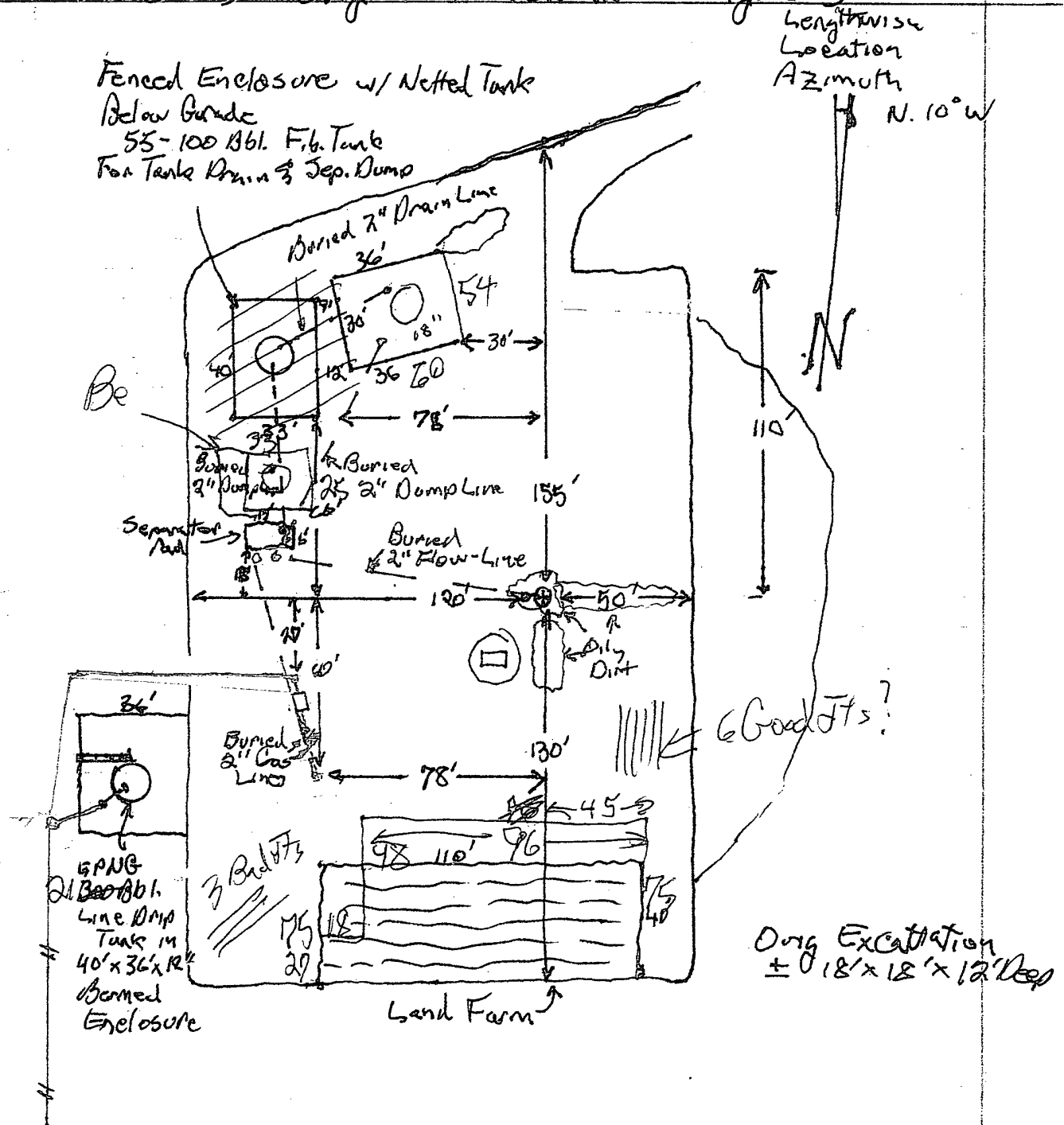
NO

SunStar Laboratories, Inc.



John Shepler For Dennis Dorning, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



1. Excavate & Test Fib. Tank Enclosure
Empty First.
Repair Netting on Tank if Re-Set.
2. Remove Oily Dirt to Land Farm & Remediate Same
3. NO SIGN

NOTE: Casing Has Gas Press. 2" Need 2" x 1/2" OP w/ 1/2" N.V.
Tubing Has High Oil Press 1" @ Pump Tee Need 1" x 1/2" BP w/ 1/2" N.V.
GET PRESSURES ASAP