

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

NMOCD Original 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. #1 API #: 30-039-20353 U/L or Qtr/Qtr: 790' FSL & 1850' FEL, Unit 'O' of Sec. 28 T25N R6W

County: Rio Arriba

Latitude

Longitude

NAD: 1927 ☐ 1983 ☐

Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

RCVD FEB20'07

Pit	Below-grade tank	OIL CONS. DIV. DIST. 3
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume <u>188 Bbl</u>	Volume: <u>25 Bbl</u> Type of fluid: <u>Produced Fluids</u> Construction material: <u>Steel Tank</u> Double-walled, with leak detection? Yes ☐ If not, explain why not. <u>NO: The Steel Tank was Improperly-Installed Below-Grade & was Removed.</u>	
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) 100 feet or more (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 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) 1000 feet or more (0 points)	20
Ranking Score (Total Points)		20

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 south of the separator. The pit had an improperly installed 25-bbl steel tank in it, which was removed. Approximately 38 cubic yards of soil were excavated from this pit. Initial pit samples were taken on 9/30/04 from the pit sides & bottom & the flattened pit pile and sent to the laboratory for TPH and BTEX analysis. The pit encountered bedrock refusal at 5' of depth. The site diagram and sample results are attached. All sample results are less than the 100 ppm TPH standard for the site. The pit bottom & land-farmed pile were fertilized & the pit was back-filled in May 2005.

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: 1/31/2007

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

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:

Printed Name/Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Signature

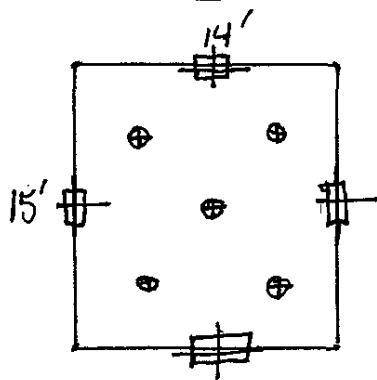
Date:

FEB 20 2007

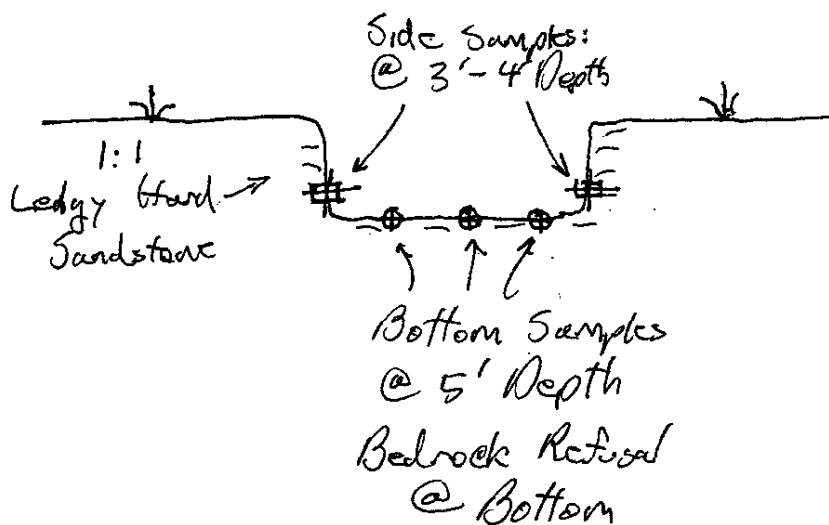
WELL	Comments		Pit #	Date Of Sample	Location	Depth of Lateral	Benzene PPM	BTEX PPM	TPH GRO PPM	TPH DRO PPM	TPH DRO+GRO PPM	Allowable TPH MAX
API #	Mitigation Methodology											
Location	NMCCD Comments											

Date: 07-06-2005

Old Rock Fed Com #1	ORDER CLOSED w/ Excavated Fill: 11/1/2004.		26	9/30/2004	Pit Bottom	5'	ND	ND	ND	ND	ND	100.00
API: 30-039-20353	Final Pit: 15' x 14' x 5' @ Bedrock.			9/30/2004	Pit Sides	@ 3-4'	ND	ND	ND	ND	ND	100.00
790' FSL & 1850' FEL	EXCAVATION COMPLETE & CLOSED.			9/30/2004	Final Test: Pit Pile		ND	ND	ND	11.00	11.00	100.00
Unit 'O' of Section 28	PIT PILE WAS FLATTENED to 18" & Then Sampled.											
T25N-R6W	REMEDIATION COMPLETE.											
Rio Arriba Co., NM	Fertilize Pit Bottom w/ 100#.				PIT WORK: Pit excavated until clean @ Bedrock Refusal. Back-Filled w/ Fertilized Excavated Fill.							
	Fertilize Pit Fill w/ 100#.				Land Farm: NONE: Use excess dirt to improve tank berms.							

Plan View:

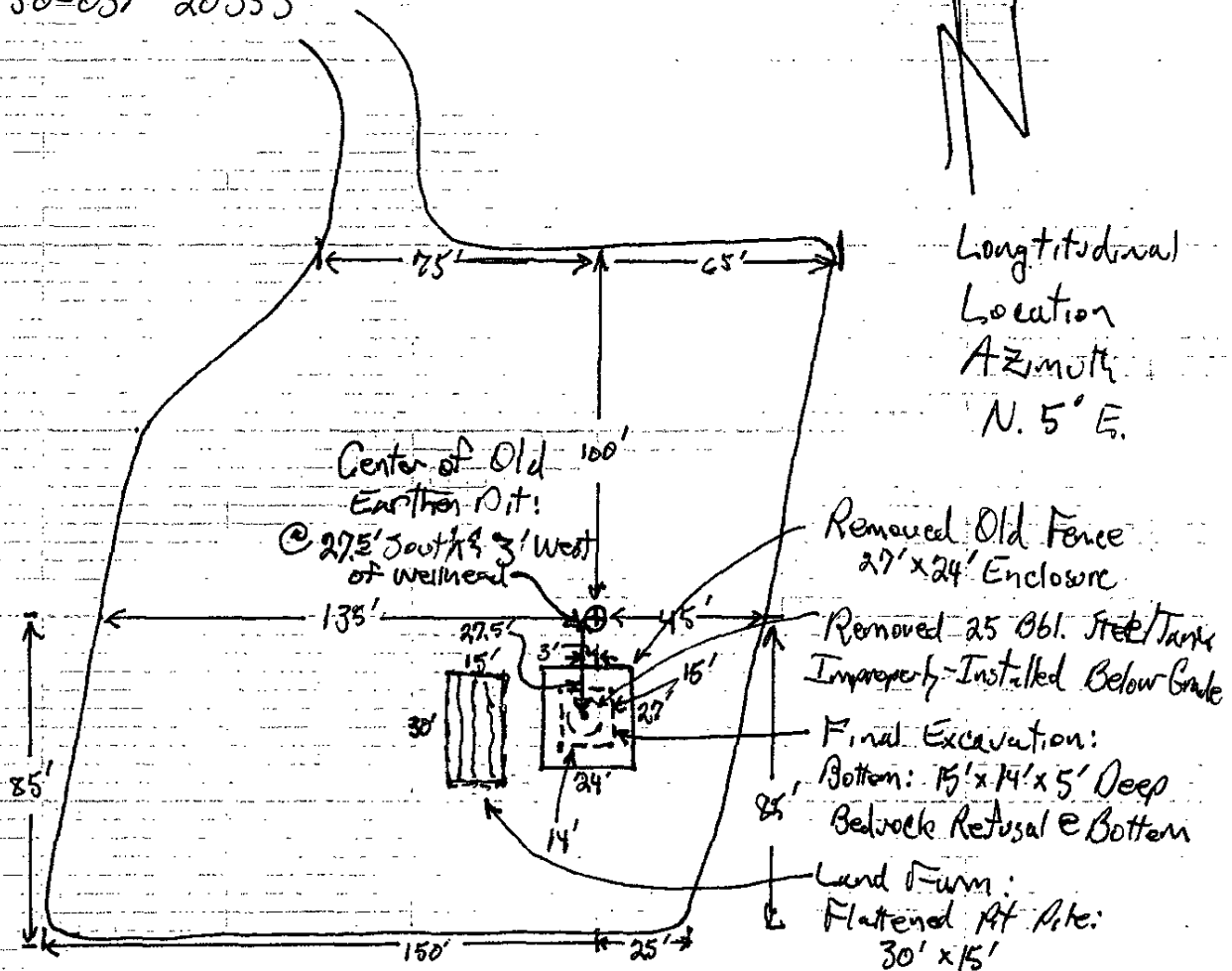
Scale:
1" = 10'

Section View:

● : Approx. Sampling Points: Bottom Composite Sample (5 - Spot)

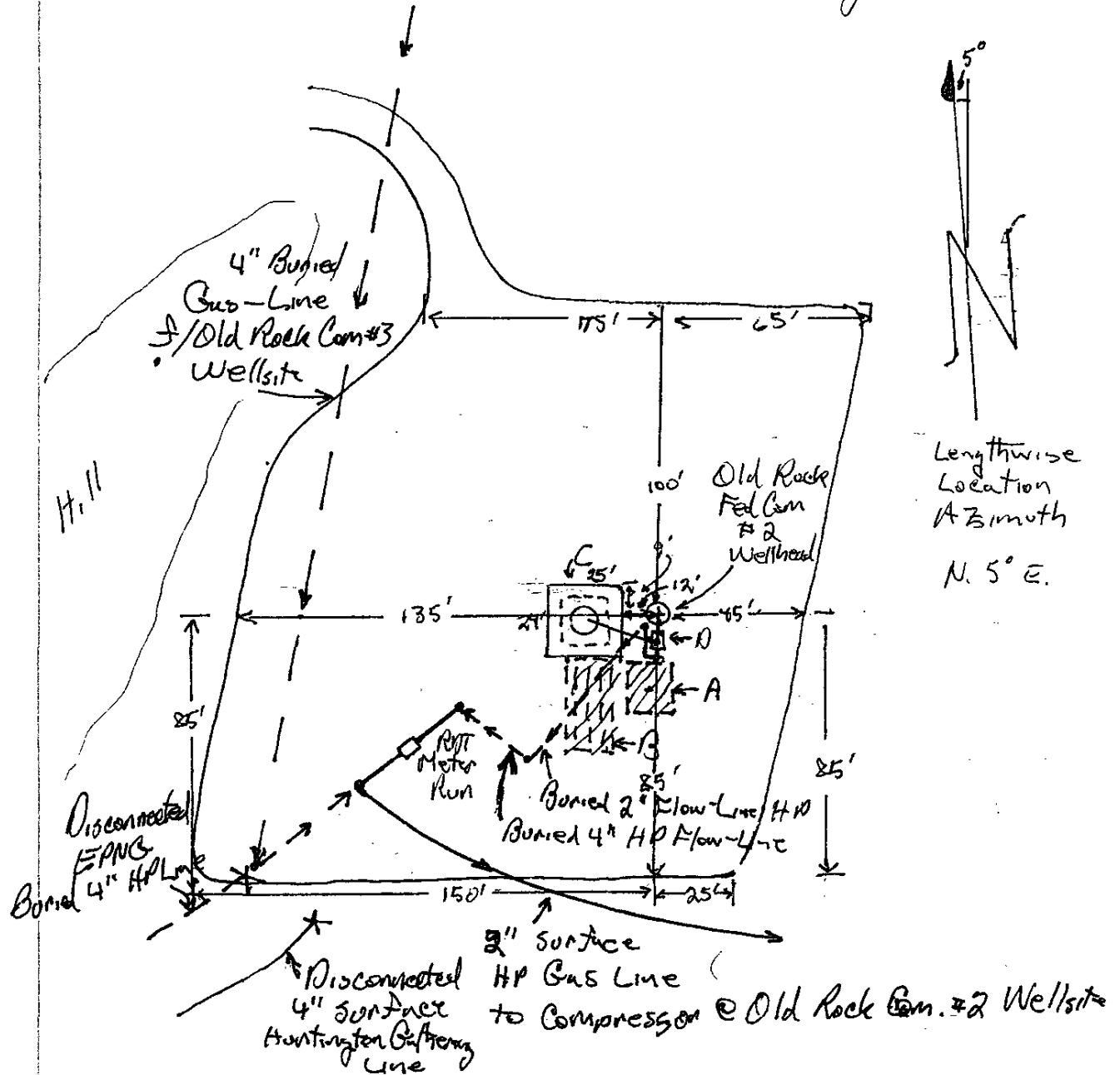
⊞ : Approx. Sampling Points: Side Composite Sample (4 - Spot)

FIGURE 2: Location Schematic: Remediation:
Old Rock Fed. Com. #2
API # 30-039-20353



ROD Remediated As Follows:

1. Remove Improperly-Installed Below-Grade Steel Tank.
2. Excavate Pit Bottom to Bedrock Refusal @ 5' Depth (Appeared Clean).
Excavated Pit Sides to No Visible Stain & No Detectable Odor.
3. Sample Pit Bottom & Sides. Ok. Spread & Sample Pit-Pile in Land Farm West of Excavation. Ok.
4. Fertilize Pit Bottom w/ 100# H_2-N_2 Fertilizer.
Fertilize Land-Farm w/ 100# H_2-N_2 Fertilizer.
5. Re-Fill Excavated Pit w/ Land-Farm Material.

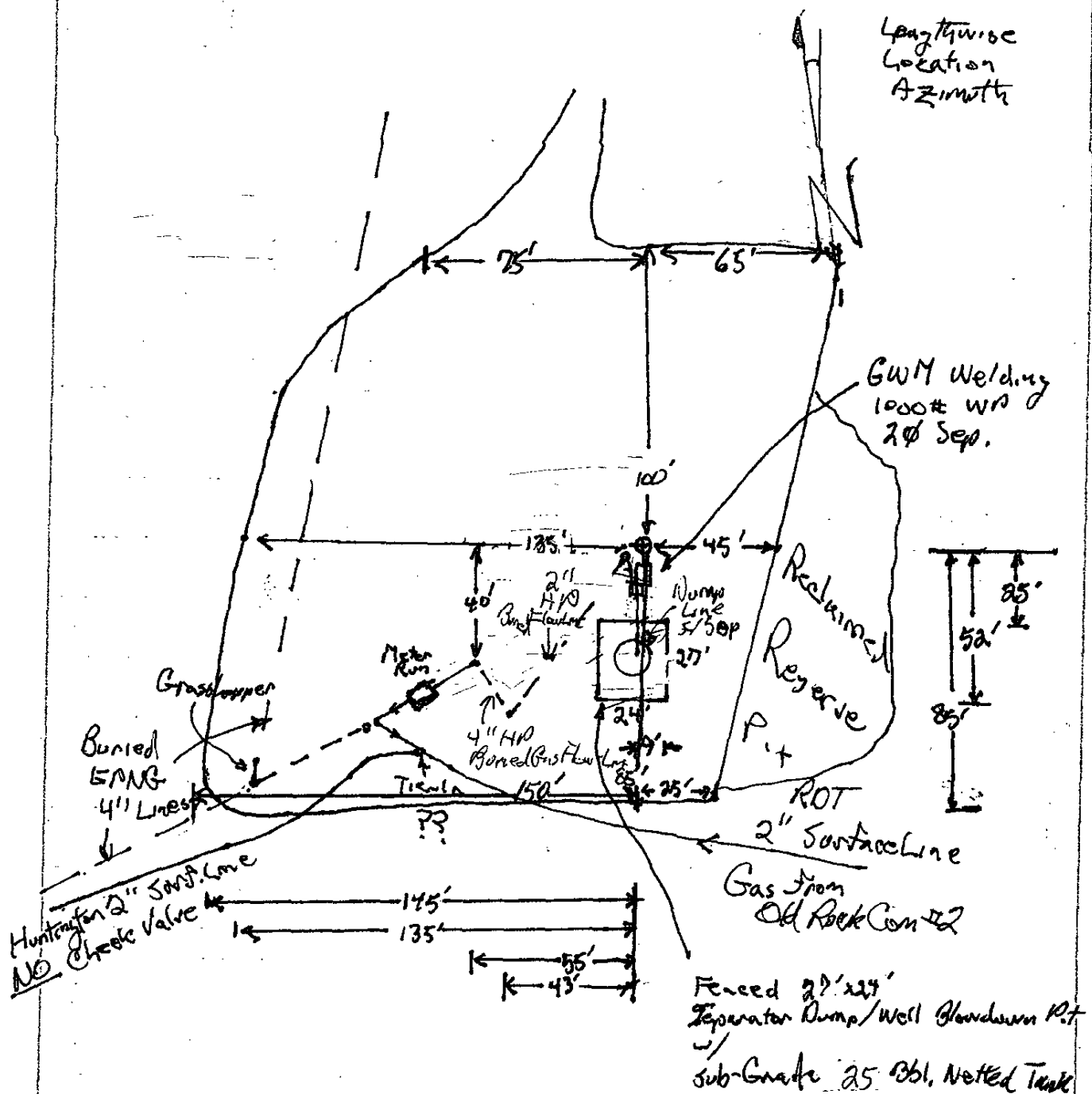


A: 15' x 14' x 5' Deep Fully Remediated Earthen Production Pit that encountered Bedrock Retool @ 5' Depth.

B: 30' x 15' Flattened Pit - Pile Land-Farm Fully Remediated

C: Forced (25' x 24') 5' Bernal (17' x 18' x 18" Be.m) Enclosed Above Ground Steel Storage Tank f/ Water w/ 25 Bbl. Capacity

D: GWM Welding 2Ø 1000# Cold Separator (Serial # 1149)



1. Excavate Fib. Tank & Evaluate Pit
Re-set Tank in Conformance w/ New Regs

NOTES: 1. Sep. Leak Behind Pump where Control Line ties-in.
 2. Is Blue Pen = Diff. Pen @ 4.8
 IF not we are not selling much gas. Red-Line Pikes Hub
 3. Huntington has no check valve

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

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

GAL I.D.: 410-003-35

Date Received: 10/01/04

Date Reported: 10/20/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: OR 1 PIT BOTTOM

Dr. @ Bottom @ 5'
Bedrock Refusal
@ Bottom.

Sample Date: 09/30/04

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	10/19/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
TPHGRO	8015	100	<100	1	µg/kg	10/19/04	LM
TPHDRO	8015	10	<10	1	mg/kg	10/19/04	LM

TPH < 100 ppm @ ND.
BTEX @ ND.

D. Zufelt
for: John Grech, Laboratory Manager

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

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

GAL I.D.: 410-003-36

Date Received: 10/01/04

Date Reported: 10/20/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: OR 1 PIT SIDES

*OK @ Sides
@ 3'-4'*

Sample Date: 09/30/04

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	10/19/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	10/19/04	LM
TPHGRO	8015	100	<100	1	µg/kg	10/19/04	LM
TPHDRO	8015	10	<10	1	mg/kg	10/19/04	LM

*TPH @ NO < 100 PPM
BTEx @ NO*

D. J. Zupelt
for John C. 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

GAL I.D.: 410-003-37

Date Received: 10/01/04

Date Reported: 10/28/04

QC Batches:

PROJECT NAME: RDT Pits

PROJECT NUMBER:

SAMPLE I.D.: OR 1 PILE

Flatten Pile & Land Farm
& Test. OK.

Sample Date: 09/30/04

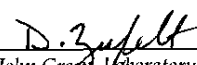
Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	ANALYST
		LIMIT	RESULT			ANALYZED	
Benzene	8021	5.0	<5.0	1	µg/kg	10/21/04	LM
Ethylbenzene	8021	5.0	<5.0	1	µg/kg	10/21/04	LM
Toluene	8021	5.0	<5.0	1	µg/kg	10/21/04	LM
Xylene, total	8021	5.0	<5.0	1	µg/kg	10/21/04	LM
TPHGRO	8015	100	<100	1	µg/kg	10/26/04	LM
TPHDRO	8015	10	11	1	mg/kg	10/20/04	LM

TPH @ NDL 100 PPM
BTEX @ NO


For: John Green, Laboratory Manager