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 ☒

RCVD JAN25'07
OIL CONS. DIV.
DIST. 3

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: **Salazar G Com. 34- #2** API #: 30-039-22798 U/L or Qtr/Qtr 1710' FSL & 790' FEL, Unit I of Sec 34 T 25N R 6W
County: Rio Arriba Latitude _____ Longitude _____ 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 315 Bbl.	Volume: 55 Bbl Type of fluid: Separator Fluids Construction material: Fiberglass Tank Double-walled, with leak detection? Yes ☐ If not, explain why not. NO: The Fiberglass Tank was Improperly Installed & Removed	
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) 20 (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 No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) 10 (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 your 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 approx. 315 Bbl. production pit containing an improperly installed below-grade fiberglass tank was remediated by removing the fiberglass tank, excavating contaminated soil, and land farming the soil on-site. The pit was the original production pit east-southeast of the separator. Approximately 187 cubic yards of soil were excavated from this pit. On 6/28/04, a composite wall sample and a composite bottom sample were taken from the pit and sent to the laboratory for TPH and BTEX analysis and met remediation standards. The soil pile was sampled, flattened & sampled again, with the final sample collected on 8/25/2004 & met remediation standards. The site diagram and sample results are attached. All FINAL excavation & sample results are less than the TPH & BTEX Remediation Standards for this 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: 1/15/2007
Printed Name/Title: Robert A. Schwering, P.E., Operations Manager Signature R. A. Schwering

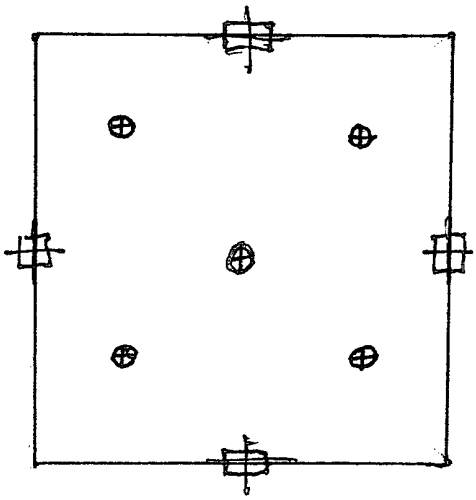
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval:
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Brandon Powell Date: JAN 25 2007

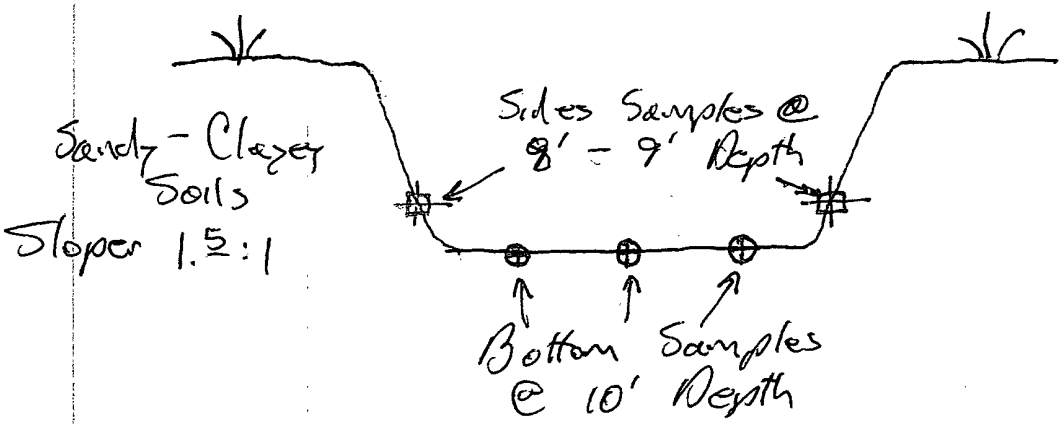
WELL API # Location	Comments Mitigation Methodology NMOCD Comments	Pit #	Date Of Sample	Location	Depth or Lateral	Benzene PPM	BTEX PPM	TPH GRO PPM	TPH DRO PPM	TPH DRO+GRO PPM	Allowable TPH MAX
Date: 07-06-2005											
Salazar G Fed. 34- #2	ORDER CLOSED w/ Excavated Fill: 10/7/2004.	###	6/28/2004	Pit Bottom	10'	ND	ND	ND	12.30	12.30	100.00
API: 30-039-22798	Final Pit: 23' x 22' x 10'		6/28/2004	Pit Sides	@ 8-9'	ND	ND	ND	ND	ND	100.00
1710' FSL & 790' FEL	EXCAVATION COMPLETE & CLOSED.		6/28/2004	Pit Pile		ND	ND	ND	ND	ND	100.00
Unit 'I' of Section 34	Order re-test of Flattened Pile per D. Faust: Still OK.		8/25/2004	Final Test: Pit Pile Re-Sample		ND	ND	ND	13.00	13.00	100.00
T25N- R6W	REMEDIATION COMPLETE.		PIT WORK: Pit excavated until Below Limit. Pit Back-Filled w/ Re-Tested Excavated Fertilized Material Below Limit.								
Rio Arriba Co., NM	Fertilize Pit Bottom w/ 100#.		Land Farm: NONE: Used pit piles to back-fill pits.								
	Fertilize Pit Pile w/ 200#.										

Salazar 'G' 34-#2 Figure 1 Earthen Pit Schematic

Plan View



Scale:
1" = 10'

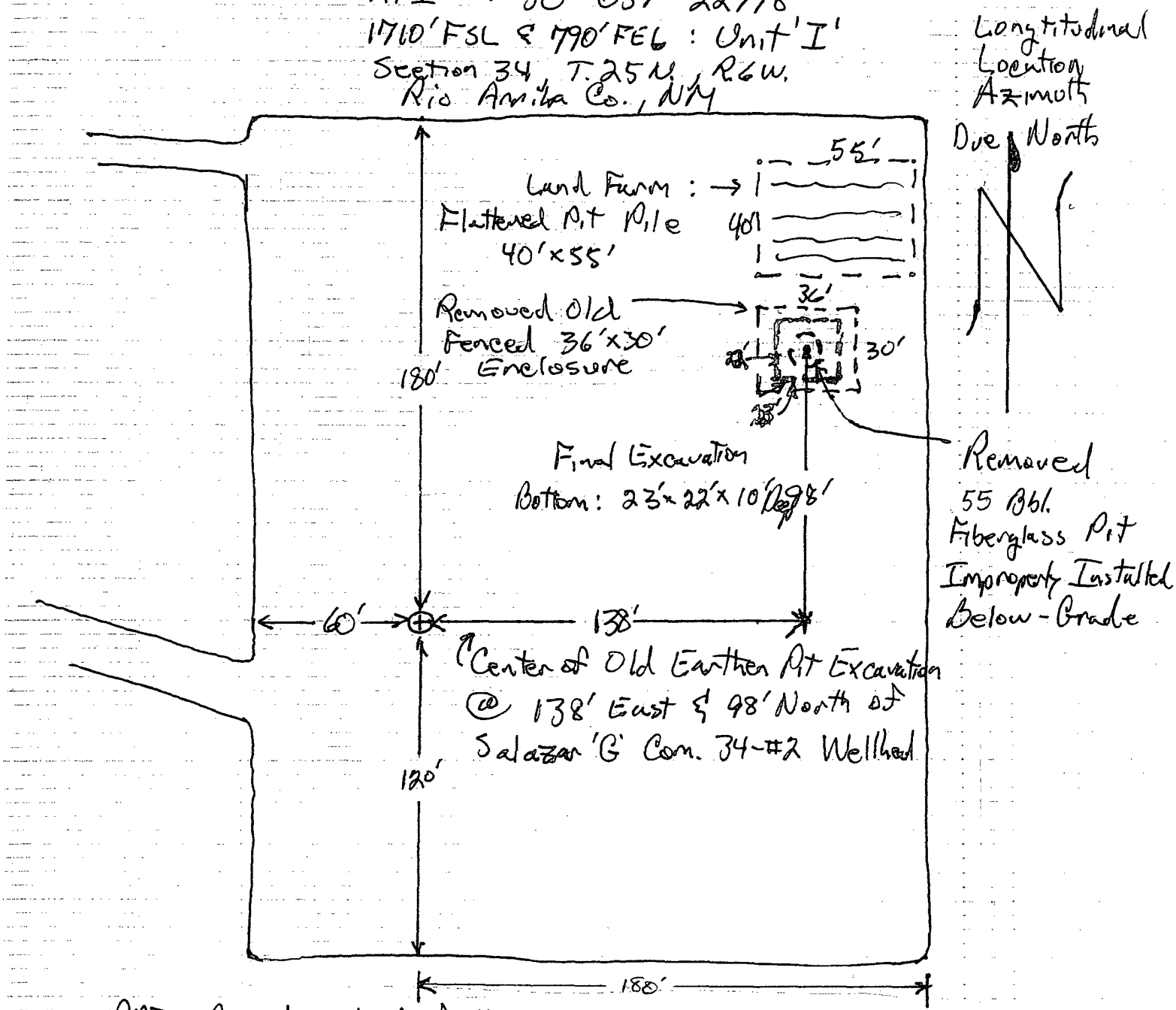


⊕: Approx. Sampling Points for Bottom Composite Sample (5-Spot)

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

FIGURE 2: Location Schematic: Remediation

Salazar 'G' Com. 34-#2
API #: 30-039-22798
1710' FSL & 790' FEL : Unit 'I'
Section 34, T. 25 N., R 6 W.
Rio Arriba Co., NM

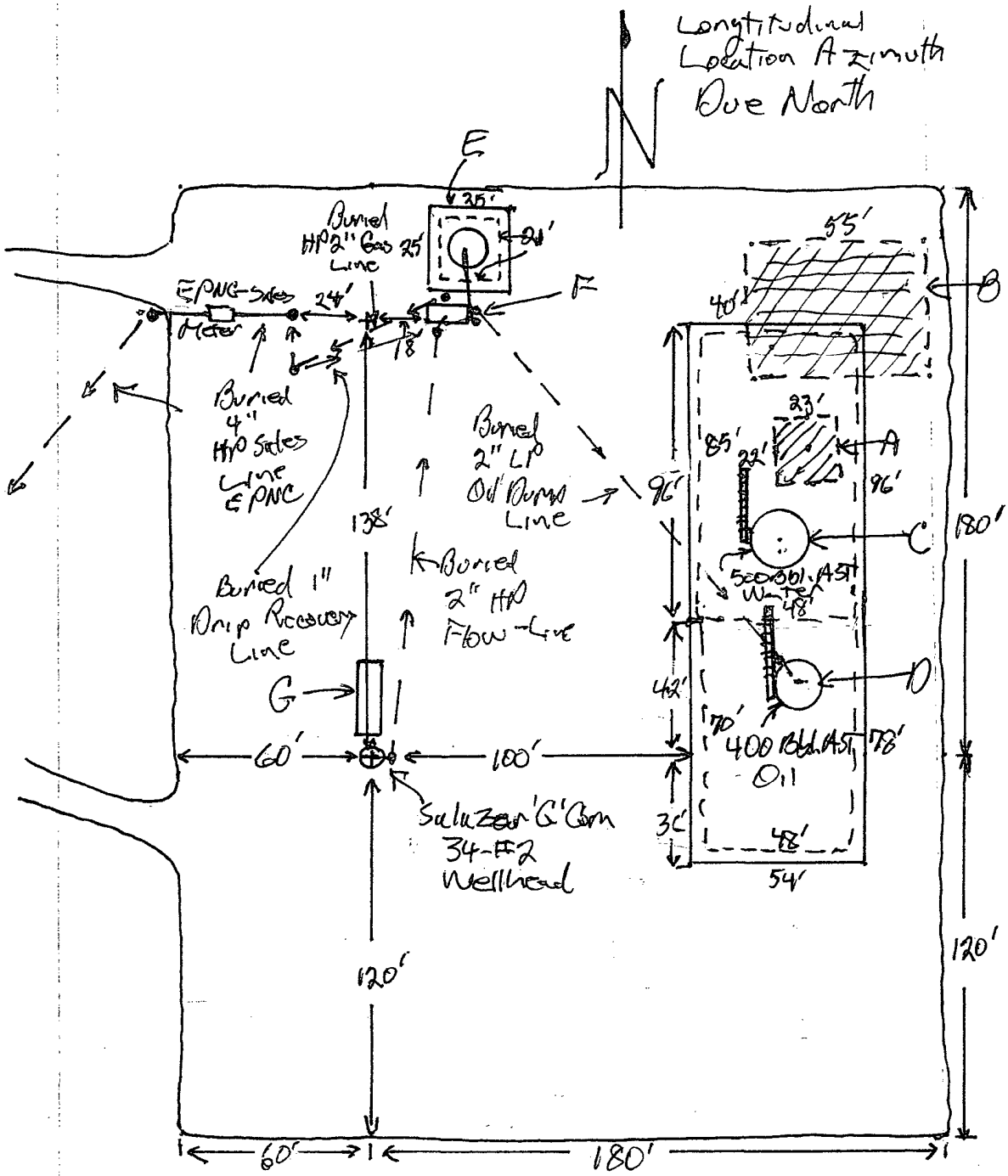


RDT Remediated As Follows:

1. Remove the Improperly-Installed Below-Grade Fiberglass Pit.
2. Excavate Pit w/ Bottom Dimensions 23'x22'x10' Deep.**
3. Sample Pit Bottom & Sides. Ok. Sample Pit Pile. Ok. Flatten & Re-Sample Pit Pile. Ok.
4. Fertilize Pit Bottom w/ 100± Hi-N_2 Fertilizer. Fertilize Flattened Pit Pile w/ 200± Hi-N_2 Fertilizer. Re-Fill Excavation.

** Excavate Pit Bottom & Sides Until No Visible Stain or Noticeable Odor in Pit.

Saluzzar 'G' Com. 34-#2 Current Site Schematic Figure 3



A: 22'x23'x10' Deep Fully Remediated Earthen Production Pit.

B: 40'x55' Flattened Pit File Land-Farm Fully Remediated.

500 Bbl AST → C: Fenced (96'x54') & Bermed (48'x85'x 2' Berm) Enclosed Above Ground Storage Tank for Produced Water In-Field when Disposals are Closed.

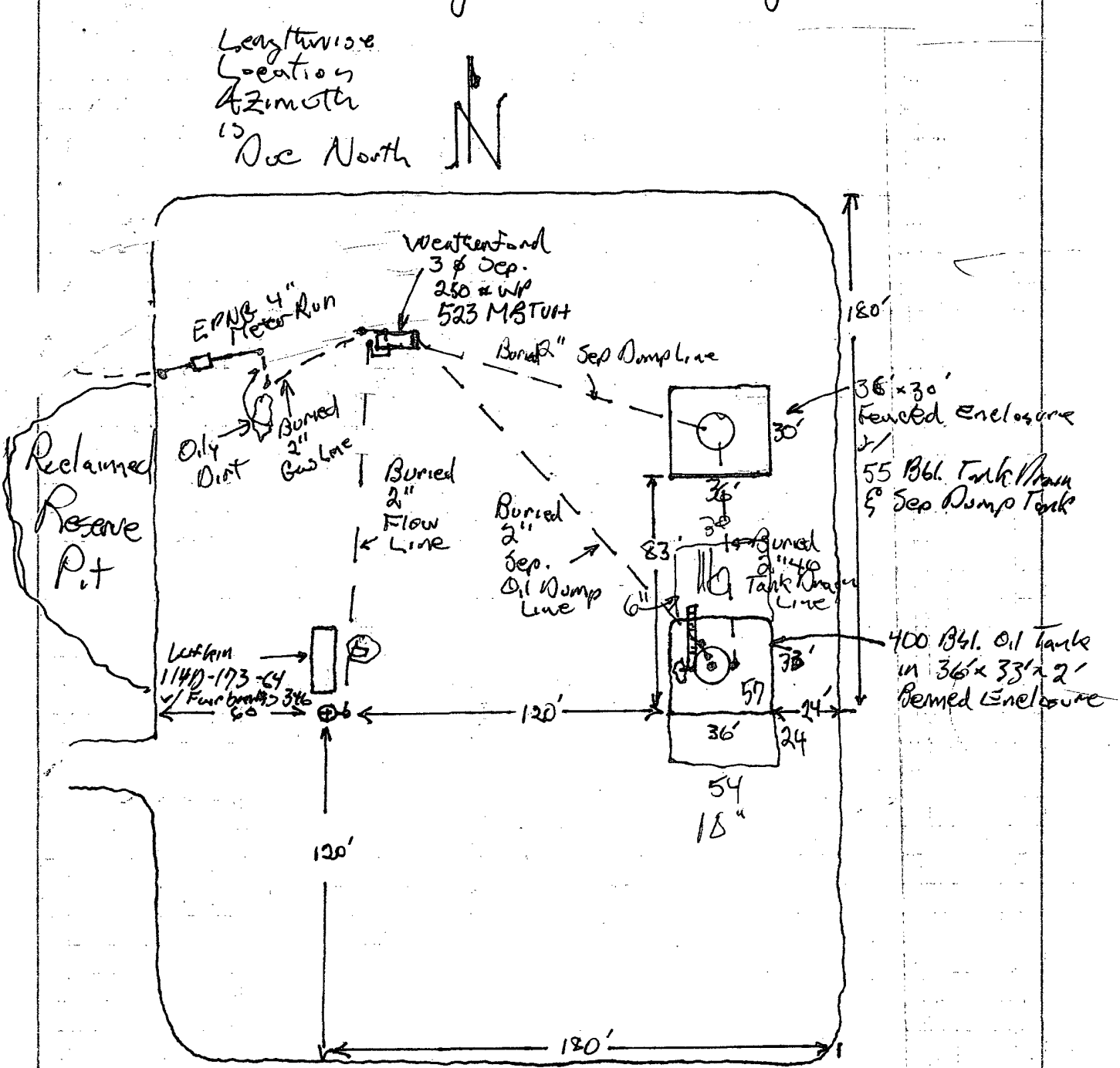
D: Fenced (78'x54') & Bermed (48'x70'x 2' Berm) Enclosed Above-Ground Storage Tank for Oil w/ 400 Bbl AST

E: Fenced (25'x25') & Bermed (21'x21'x 1½' Berm) Enclosed Above-Ground Storage Tank for Water w/ 45 Bbl. AST (Fiberglass).

F: Weatherford 3Ø 36"x 6' 250#WP 525 MBTU/Hr. Separator Ser # 2583

G: Lufkin 1140-173-64 Pumping Unit w/ Fairbanks 346 Gas Engine.

Sabre-"G" 34-#2 | Figure 4 | Original Site Schematic



1. Excavate & Remove Tank Drain/Sep Dump Sub-Grade Tank
   Check for Contamination
   Re-Install Tank Net if Resume Use
2. Clean-Up Oily Dirt & Land Farm on Location

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

GAL I.D.: **406-141-01**
Date Received: 06/29/04
Date Reported: 07/02/04
QC Batches:

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

PROJECT NAME: RDT Pits
PROJECT NUMBER:
SAMPLE I.D.: SAL 34-2 Pit Bottom

Ok. @ 10'.

Sample Date: 06/28/04
Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT LIMIT	RESULT	DIL	UNITS	DATE 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	12.3	1	mg/kg	07/01/04	LM
Total TPH	8015/8021		12.3	1	mg/kg	07/01/04	LM

TPH < 100 PPM

John Green, Laboratory Manager

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

GAL I.D.: 406-141-02
Date Received: 06/29/04
Date Reported: 07/12/04
QC Batches:

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

PROJECT NAME: RDT Pits
PROJECT NUMBER:
SAMPLE I.D.: SAL 34-2 Pit Sides

OK. @ 8'-9'

Sample Date: 06/28/04
Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT LIMIT	RESULT	DIL	UNITS	DATE 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	<10	1	mg/kg	07/11/04	LM
Total TPH	8015/8021		<10	1	mg/kg	07/11/04	LM

TPH < 100 PPM

John Green, Laboratory Manager

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

GAL I.D.: 406-141-03
Date Received: 06/29/04
Date Reported: 07/12/04
QC Batches:

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

PROJECT NAME: RDT Pits
PROJECT NUMBER:
SAMPLE I.D.: SAL 34-2 Pile

OK.
Order Flatten & Re-Test.

Sample Date: 06/28/04
Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT LIMIT	RESULT	DIL	UNITS	DATE 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	<10	1	mg/kg	07/11/04	LM
Total TPH	8015/8021		<10	1	mg/kg	07/11/04	LM

TPH < 100 PPM

John Green, Laboratory Manager

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

GAL I.D.: **408-127-32**
Date Received: 08/26/04
Date Reported: 09/10/04
QC Batches:

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

PROJECT NAME: RDT Pits
PROJECT NUMBER:
SAMPLE I.D.: SAL 34-2 Pile

OK.
Pit Pile Re-Sampled after Flattened.

Sample Date: 08/25/04
Sample Matrix: Soil

Petroleum Hydrocarbons

RESULTS

PARAMETER	METHOD	REPORT LIMIT	RESULT	DIL	UNITS	DATE ANALYZED	ANALYST
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	13	1	mg/kg	09/08/04	LM

TPH < 100 PPM

FOR DJ
John Green, Laboratory Manager