

MVTL

MINNESOTA VALLEY TESTING LABORATORIES, INC.

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**MEMBER
ACIL**

TO: Joe Friedlander
Coteau Properties
204 County Road 15
Beulah, ND 58523

Date Reported: 10/14/10
PurchaseOrder #: 407824 OP
Date Received: 10/ 1/10

PEDON:
LOCATION:

Work Order Number: 201080-79

Laboratory Number	Sample Number	Horizon	Soil Name	Depth	E.C. 25	Cat/E.C.	Ca	Mg	Na	S.A.R	C.C.E.	pH	% O.M.	TXTR	% Sand	% Silt	% Clay	% Very Fine Sand	Sat. Percent
10-S640	OB#1				1.62	12.7	9.2	4.9	6.5	2.45	13.1	7.9	3.55	1	38.5	35.0	26.5		56.3
10-S641	OB#2				1.77	12.7	10.3	5.2	6.9	2.48	14.8	7.7	3.24	cl	23.5	37.5	39.0		70.5

Approved by: Stacy Lander

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sample preparation. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

AN EQUAL OPPORTUNITY EMPLOYER

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Copy of results of Coteau's duplicate samples submitted
Coteau Properties Company
Brian Bjella, Crowley Fleck

Explanation of Overburden Terminology

Abbreviation	Long Name	Units
E.C.25	Electrical Conductivity	mmhos/cm
Cat/E.C.	Cation/E.C. Ratio	(checks data validity)
Ca	Calcium	milli-equilivants/liter
Mg	Magnesium	milli-equilivants/liter
Na	Sodium	milli-equilivants/liter
S.A.R.	Sodium Adsorption Ratio	
C.C.E.	Calcium Carbonate Equilivant	weight percent
pH	pH	units
% O.M.	Percent Organic Matter	weight percent
TXTR	Texture	comment
% Sand	Percent Sand	weight percent
% Silt	Percent Silt	weight percent
% Clay	Percent Clay	weight percent
% Very Fine Sand		weight percent
Sat. Percent	Saturation Percent	weight percent

Texture Abbreviations

sic - silty clay	c - clay
sc - sandy clay	sicl - silty clay loam
cl - clay loam	scl - sandy clay loam
l - loam	si - silt
sil - silty loam	s - sand
ls - loamy sand	sl - sandy loam