UTAH STATE UNIVERSITY · LOGAN, UTAH 84322

SOIL, PLANT and WATER
ANALYSIS LABORATORY
UMC 48

RECEIVED
FEB 02 1983
DIVISION OF
OIL, GAS & MINING

Tom Portle
DOGM
4241 State Office Bldg.
Salt Lake City Utah, 84114

January 28, 1983

Samples received on 1/21/83.

USU Log #	Ident.	pH	Texture	Lime	ppm NO_3-N	ppm P	ppm K	meq/100g NH_4OAc Na	meq/100g NH_4OAc K	meq/100g NH_4OAc Ca	meq/100g NH_4OAc Mg	meq/1 H_2O-Soluble K	meq/1 H_2O-Soluble Ca	meq/1 H_2O-Soluble Mg	meq/1 H_2O-Soluble Na
83-173	W1	8.3	*	++	---	1.5	24	---	---	----	----	--	----	----	8.8
174	W2	8.2	*	++	---	1.9	30	---	---	----	----	--	----	----	15.8
175	K1	8.3	Sandy Loam	++	5.1	1.3	38	.87	.12	37.7	6.6	.1	10.4	15.6	7.7
176	K2	8.3	Loam	++	2.3	1.1	34	.89	.12	38.9	6.9	.1	4.5	10.5	8.7
177	K3	8.4	Loam	++	< .5	3.4	32	.39	.12	40.9	4.9	<.1	1.7	2.7	1.9
		OK		OK		Very Low									

	Saturation %	Est. SAR	Organic Carbon	mmhos/cm ECe
83-173	--	2.4	--	3.5 **
174	--	3.4	--	6.0 *
175	32	2.5	.7	2.7 **
176	32	3.4	.5	2.2 **
177	30	1.2	.4	.7

* Serious salt problem
** Moderate " "

	Cumulative % Retained 1"	3/4"	3/8"	No.4	No.10	% < 2mm
83-173	15.0	30.3	59.4	72.6	81.7	18.3
174	7.3	13.5	31.6	52.0	70.5	30.4
175	----	----	----	----	----	----
176	----	----	----	----	----	----
177	----	----	----	----	----	----

R C Lambson

* Non Typical soil. Appears to be small rock pieces and dust from same.

"W" Samples

83-173-174

Sample Description and
Analysis Request

Date in _____
Number of Samples _____
Total Cost$ _____

Paid ____ Collect ____

Name Tom Portle
Address DOGM
4241 State office Bld.
SLC, UT 84114

Bill To: Harold Black
DOGM
4241 State office Bld.
SLC, UT 84114

Customer Sample Number	Type of Sample	Analysis Requested: *
W-1	"reject" material	31, 1, 4, 7.
W-2	" "	" " " "

Western Clay Co.
ACT/041/004

USUbon Numbers: _____

* in order of priority in the event that not enough "fine" material