

VALLEY CAMP OF UTAH, INC.

Scofield Route

Helper, Utah 84526

August 8, 1985

RECEIVED**AUG 15 1985**DIVISION OF OIL
GAS & MINING

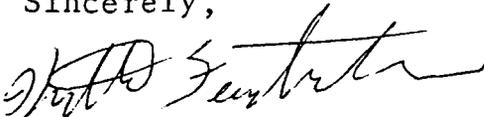
Lyle Ford
Ford Chemical Laboratory, Inc.
40 West Louise Avenue
Salt Lake City, Utah 84115

Dear Lyle:

As per our telephone conversation August 7, 1985, I am sending soil samples to you for analysis. There is one (1) change to what I told you; we are sending three (3), rather than five (5), samples. The samples were shipped via U.P.S. on August 8, 1985. Enclosed, both with the samples and in this letter, is a copy of the D.O.G.M. requirements for the tests to be performed, how it is to be reported, and the suggested methods to use.

I am looking forward to hearing back from you on the results of the tests.

Sincerely,



Keith Fenstermaker
Geologist

KF/lam

Enclosure

Rel # 60-8494

(3) Data to be obtained and reported are as follows:

TEST TO BE PERFORMED	REPORTED AS	SUGGESTED METHODS*
Soil texture	% sand, silt, clay	Hydrometer method. Black et al. 1965. Methods of soil analysis. ASA Mono No. 9, Part 1, method 43-45: 562-566.
pH	units	USDA Handbook 60, method (2a) page 102.
Organic matter	%	Walkely-Black Method. Black et al. 1965. ASA Mono, No. 9, part 2, method 90 - 3.2, pages 1374-1376.
Saturation percentage	%	USDA Handbook No. 60, Method (27a & b), page 107.
Alkalinity	meq/100g Calcium Carbonate	USDA Handbook No. 60, Method (23b), page 105.
Cation Exchange Capacity	meq/100g	USDA Handbook 525, No. 5B, page 8 and 9.
Electrical Conductivity	mmhos/cm @ 25°C	USDA Handbook 60, page 84-90.
Sodium Absorbtion Ratio	SAR calculated from soluble Ca, Mg & Na	Jurinak, J. J. 1980. Salt affected soils. Utah State University, Logan, Utah. pp. 40-41.
Total Nitrogen	ppm	Kjeldahl digestion ammonia distillation. USDA Handbook 525 No. 10, page 14-16.
Available Nitrogen	ppm	Extraction by ASA Mono No. 9, Part 2, Method 84-85. 3.3, page 1216.
Available Phosphorus	ppm	Estimation of available phosphorus in soils by extraction with sodium bicarbonate. USDA Handbook 525, No. 9, page 13-14, Watanabe and Olsen (1065).
Potassium, calcium, magnesium & sodium	ppm & meq/100g	USDA Handbook 60, Method 2 and 3a, page 84.

*These are suggested methods, other equivalent methods may be used if described as long as they can be justified upon request.