

Project #1937



September 12, 2002

Mr. Randall Ferguson
Colorado Oil & Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Co. 80203

RE: Keota Oil Field. Surface Soil Sampling

Dear Mr. Ferguson,

MEC Inc. collected three composite surface soil samples 0-6 inches within the designated areas at the Keota Oil Field area, as indicated on the attached map. A minimum of five sampling points were randomly selected for each composite sample. The samples were analyzed for EC, pH, and SAR. The samples were delivered to Weld Laboratories for analysis.

The samples are identified as Keota1, Keota2 and Keota3. Sample Keota1 was collected from the central portion of the Area 1. Sample Keota2 was collected from the central portion Area 2 in vicinity of the old water well. Sample Keota3 was collected south of Area 2 in the area south of existing tank battery.

The attached table summarizes the results.

If you have any questions or comments, please contact me at 970-352-2644 or cell 970-381-5951.

Thank you


John Mahoney

KEOTA Soil Sampling Results
August 13, 2002

Sample # →	Keota 1	Keota 2	Keota 3	
Analysis ↓				
PH	7.8	7.7	7.7	
EC	6.4	7.0	2.2	
Calcium	51.8	2830	44.0	
Magnesium	10.5	39.4	10.8	
Sodium	1620	2120	6270	
SAR	53.7	9.9	220	

WELD LABORATORIES, INC.

1527 First Avenue • Greeley, Colorado 80631

Phone: (970) 353-8118 • Fax: (970) 353-1671

September 3, 2002

Mahoney Environmental Consulting, Inc.

1601 10th Ave

Greeley, CO 80631

Laboratory No. 5146 (page 2 of 3)

Sample ID: Keota 2

Sample Date: 8/13/02

Date Received: 8/13/02

	Results (mg/kg)	Method (SW-846)
pH	7.7	9045
EC	7.0	9050
Calcium	2830	7140
Magnesium	39.4	7450
Sodium	2120	7770
SAR	9.9	


Project Manager

9/3/02
Date

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Laboratory No. 5146 (page 1 of 3)

Sample ID: Keota 1

Sample Date: 8/13/02

Date Received: 8/13/02

	Results (mg/kg)	Method (SW-846)
pH	7.8	9045
EC	6.4	9050
Calcium	51.8	7140
Magnesium	10.5	7450
Sodium	1620	7770
SAR	53.7	


Project Manager


Date

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Laboratory No. 5146 (page 3 of 3)

Sample ID: Keota 3

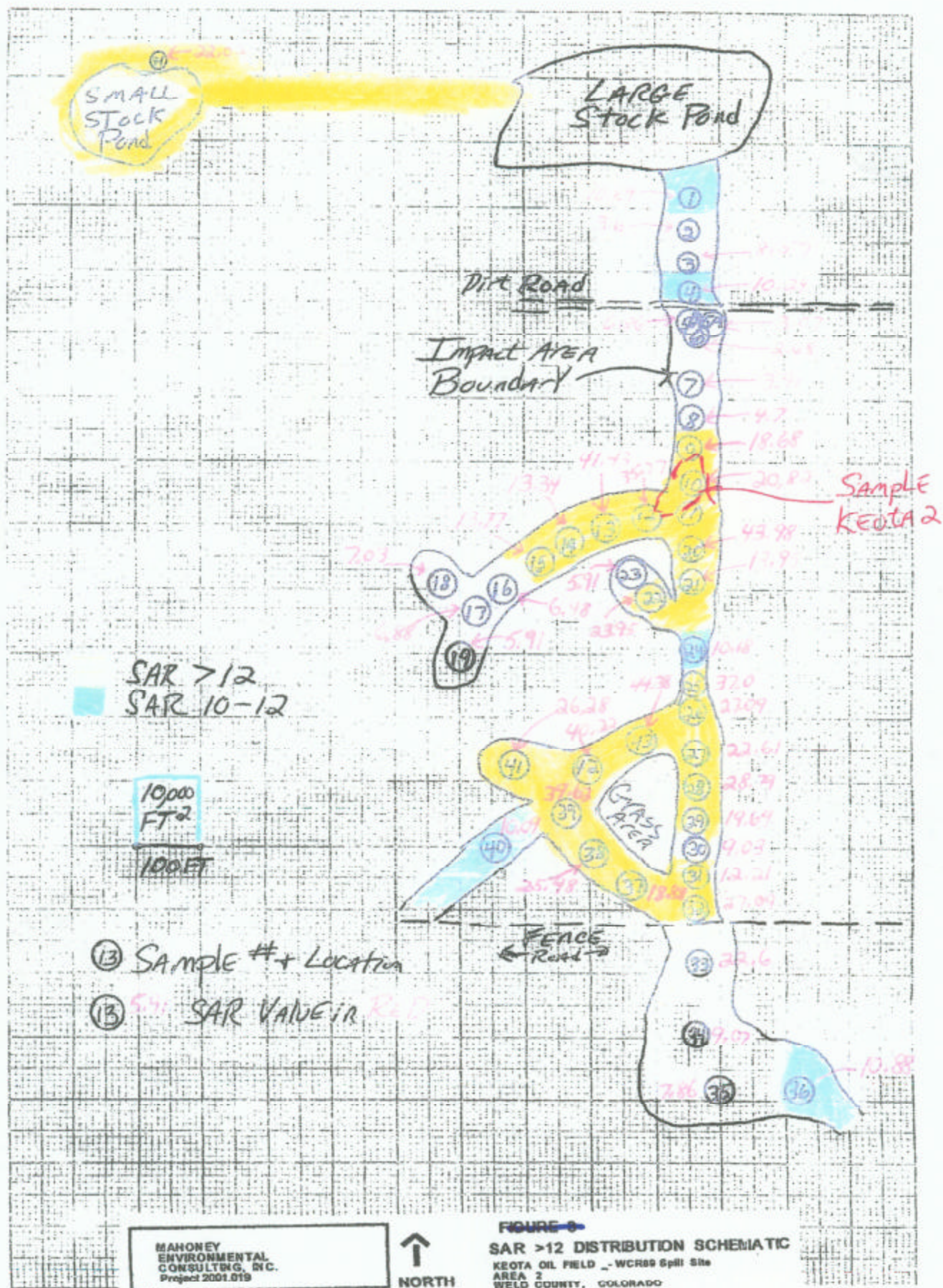
Sample Date: 8/13/02

Date Received: 8/13/02

	Results (mg/kg)	Method (SW-846)
pH	7.7	9045
EC	2.2	9050
Calcium	44.0	7140
Magnesium	10.8	7450
Sodium	6270	7770
SAR	220	


Project Manager

9/3/02
Date

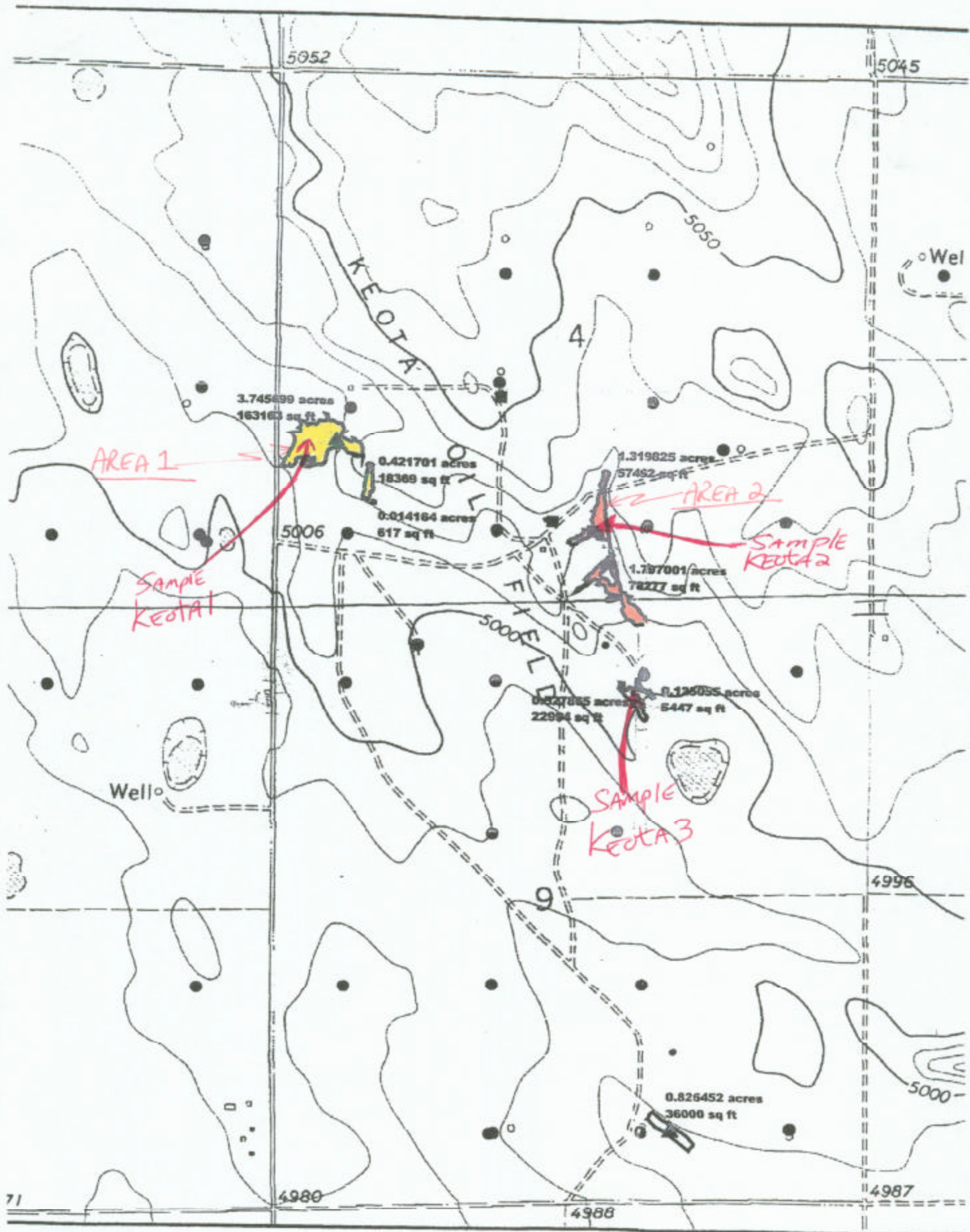




MAHONEY
ENVIRONMENTAL
CONSULTING, INC.
Project 2001.018



FIGURE 3
SAR > 12 DISTRIBUTION SCHEMATIC
KEOTA OIL FIELD - WCR
WEST SIDE OF HILL
WELD COUNTY, COLORADO



1527 1st Avenue Established 1978
Greeley, CO 80631-5936
Phone: (970)353-8118 Fax: (970) 353-1671

TELEPHONE NO. 222-3144

Signature *[Signature]*

ANALYSIS

COMMENTS:

John Mahoney

Received by: (Signature)

Signed by: (Signature)

Received by: (Signature)

Dispatched by: (Signature)

Date: _____

Time*

Received for Laboratory by:

Method of Shipment:

Date _____

Time

Date _____

Time

Date _____

Time

Date	Time
8/13/22	17:42