



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pEEM0112359909

**NM2 - 8**

**XTO ENERGY, INC.**



P.O. Box 489  
Aztec, NM 87410

December 6, 2000

Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

ATTN: Mr. Denny Foust

RE: 2000 Yearly Pond Inspection & Water Analysis

Dear Mr. Foust:

Enclosed you will find water analysis from Pond #1 and Pond #2 for the year of 2000 that is required from us on a yearly basis. During our weekly inspections throughout the year on both ponds we have not encountered any sick or dead birds or wildlife. If you would like to inspect our reports for each week on either or both of the ponds, they will be available upon request at the Koch Exploration Company Office located at 610 South Main in Aztec.

If you have any questions or comments concerning these water analysis, please feel free to contact me at (505)-334-9111 or my mobile phone at (505)-320-0819.

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Johnson', with a stylized flourish at the end.

Don Johnson  
Operations Manager  
Koch Exploration Company

cc: Roger Anderson  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505



OFF: (505) 325-5667  
FAX: (505) 327-1496



LAB: (505) 325-1556  
FAX: (505) 327-1496

November 28, 2000

Don Johnson  
Koch Exploration  
610 S. Main Avenue  
P.O. box 489  
Aztec, NM 87410  
TEL: (505) 334-9111  
FAX



RE: Koch Evaporation Ponds 1 & 2

Order No.: 0011015

Dear Don Johnson,

On Site Technologies, LTD. received 2 samples on 11/9/2000 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Alkalinity, Total (M2320 B)  
AQ-PREP SEP FUNNEL: 418.1/413.2 (SW3550)  
Calcium, Dissolved (E215.1)  
Chloride (E325.3)  
Hardness, Total (M2340 B)  
Iron, Dissolved (E236.1)  
Magnesium, Dissolved (E242.1)  
pH (E150.1)  
Potassium, Dissolved (E258.1)  
Resistivity (@ 25 deg. C) (M2510 C)  
Sodium, Dissolved (E273.1)  
Specific Gravity (M2710 F)  
Sulfate (M4500-SO4 D)  
Total Dissolved Solids (CALC)  
Total Dissolved Solids (E160.1)  
TPH, T/R (E418.1)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

P.O. BOX 2606 • FARMINGTON, NM 87499  
EMAIL: ONSITE@ONSITELTD.COM

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**On Site Technologies, LTD.**

**Date:** 29-Nov-00

**CLIENT:** Koch Exploration  
**Project:** Koch Evaporation Ponds 1 & 2  
**Lab Order:** 0011015

**CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.  
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.  
Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

Cation-Anion Balance 0011015-01A; Koch Evaporation Pond #1

Total Cation-Anion = 1161.00 meq/L

Difference Cation-Anion = 55.26 meq/L

% Difference = 4.8 %

Cation-Anion Balance 0011015-02A; Koch Evaporation Pond #2

Total Cation-Anion = 1152.11 meq/L

Difference Cation-Anion = 47.93 meq/L

% Difference = 4.2 %



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## ANALYTICAL REPORT

Date: 28-Nov-00

<b>Client:</b>	Koch Exploration	<b>Client Sample Info:</b>	Koch Evaporation Pond
<b>Work Order:</b>	0011015	<b>Client Sample ID:</b>	Evaporation Pond 1
<b>Lab ID:</b>	0011015-01A	<b>Matrix:</b>	AQUEOUS
<b>Project:</b>	Koch Evaporation Ponds 1 & 2	<b>Collection Date:</b>	11/8/2000 3:45:00 PM
		<b>COC Record:</b>	11005

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>TPH, T/R</b>		<b>E418.1</b>				Analyst: DM
Petroleum Hydrocarbons, T/R	ND		1	mg/L	1	11/10/2000
<b>CALCIUM, DISSOLVED</b>		<b>E215.1</b>				Analyst: HR
Calcium	5		5	mg/L	5	11/22/2000
<b>IRON, DISSOLVED</b>		<b>E236.1</b>				Analyst: HR
Iron	0.58		0.1	mg/L	1	11/22/2000
<b>POTASSIUM, DISSOLVED</b>		<b>E258.1</b>				Analyst: HR
Potassium	87		10	mg/L	40	11/21/2000
<b>MAGNESIUM, DISSOLVED</b>		<b>E242.1</b>				Analyst: HR
Magnesium	44		5	mg/L	20	11/22/2000
<b>SODIUM, DISSOLVED</b>		<b>E273.1</b>				Analyst: HR
Sodium	13800		1000	mg/L	4000	11/21/2000
<b>ALKALINITY, TOTAL</b>		<b>M2320 B</b>				Analyst: HR
Alkalinity, Bicarbonate (As CaCO <sub>3</sub> )	12700		5	mg/L CaCO <sub>3</sub>	1	11/14/2000
Alkalinity, Carbonate (As CaCO <sub>3</sub> )	15100		5	mg/L CaCO <sub>3</sub>	1	11/14/2000
Alkalinity, Hydroxide	ND		5	mg/L CaCO <sub>3</sub>	1	11/14/2000
Alkalinity, Total (As CaCO <sub>3</sub> )	27800		5	mg/L CaCO <sub>3</sub>	1	11/14/2000
<b>CHLORIDE</b>		<b>E325.3</b>				Analyst: HR
Chloride	3120		1	mg/L	1	11/21/2000
<b>HARDNESS, TOTAL</b>		<b>M2340 B</b>				Analyst: HR
Hardness (As CaCO <sub>3</sub> )	190		1	mg/L	1	11/22/2000
<b>PH</b>		<b>E150.1</b>				Analyst: HR
pH	9.54		2	pH units	1	11/9/2000
<b>RESISTIVITY (@ 25 DEG. C)</b>		<b>M2510 C</b>				Analyst: HR
Resistivity	0.249		0.001	ohm-m	1	11/9/2000
<b>SPECIFIC GRAVITY</b>		<b>M2710 F</b>				Analyst: HR
Specific Gravity	1.034		0.001	Units	1	11/15/2000
<b>SULFATE</b>		<b>M4500-SO4 D</b>				Analyst: HR
Sulfate	ND		5	mg/L	1	11/21/2000
<b>TOTAL DISSOLVED SOLIDS</b>		<b>E160.1</b>				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	34000		40	mg/L	1	11/14/2000
<b>TOTAL DISSOLVED SOLIDS</b>		<b>CALC</b>				Analyst: HR
Total Dissolved Solids (Calculated)	34000		40	mg/L	1	11/22/2000

**Qualifiers:**  
PQL - Practical Quantitation Limit  
ND - Not Detected at Practical Quantitation Limit  
J - Analyte detected below Practical Quantitation Limit  
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
Surr - Surrogate

1 of 2

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