



COLEMAN OIL & GAS, INC.

VIA US MAIL

Friday, May 25, 2007

Oil Conservation Division
District III
1000 Rio Brazos Rd.
Aztec, NM 87401

RCVD MAY30'07

OIL CONS. DIV.

DIST. 3

Attn: Charlie Perrin

Re: Administrative Order SWD-1055

30-045-33771

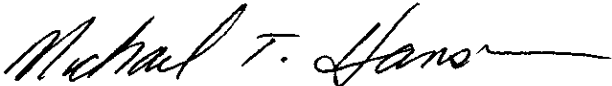
 Dear Mr. Perrin:

As per the requirements for Administrative Order SWD-1055 for the authorization to dispose of produced water from the Fruitland Coal Formation into the Menefee and Point Lookout Members of the Mesaverde Formation, attached is a copy of the water analysis taken while swabbing. Samples were taken after swabbing approximately one hundred barrels at a rate of 40 barrels per hour with an initial fluid level of 500 feet from surface.

If you have any questions, please give me a call at the phone number listed below.

Sincerely,

Coleman Oil & Gas, Inc.



Michael T. Hanson
Operations Engineer
(505) 327-0356

xc: Bureau of Land Management – Farmington
Chris Coleman
Well File

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client: Coleman Oil & Gas
Sample ID: H2O / Swab *Mentee*
Laboratory Number: 40504
Chain of Custody: 2233
Sample Matrix: Water
Preservative: Cool
Condition: Cool & Intact

Project #: 05206-001
Date Reported: 03-15-07
Date Sampled: 03-13-07
Date Received: 03-14-07
Date Extracted: N/A
Date Analyzed: 03-15-07

Parameter	Analytical Result	Units		
pH	6.35	s.u.		
Conductivity @ 25° C	29,300	umhos/cm		
Total Dissolved Solids @ 180C	18,260	mg/L		
Total Dissolved Solids (Calc)	18,240	mg/L		
SAR	113.4	ratio		
Total Alkalinity as CaCO3	536	mg/L		
Total Hardness as CaCO3	680	mg/L		
Bicarbonate as HCO3	536	mg/L	8.79	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	<0.01	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	10,670	mg/L	301.00	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	9.80	mg/L	0.31	meq/L
Sulfate	95.0	mg/L	1.98	meq/L
Iron	51.5	mg/L	1.84	meq/L
Calcium	172	mg/L	8.58	meq/L
Magnesium	61.0	mg/L	5.02	meq/L
Potassium	109	mg/L	2.79	meq/L
Sodium	6,800	mg/L	295.80	meq/L
Cations			312.19	meq/L
Anions			312.07	meq/L
Cation/Anion Difference			0.04%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Juniper West SWD #1

Dee C. O'Brien
Analyst

Christine M. Wacker
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Coleman Oil & Gas, Inc	Project #:	05206-001
Sample ID:	Swab #2 Water <i>Mentec</i>	Date Reported:	03-15-07
Laboratory Number:	40515	Date Sampled:	03-14-07
Chain of Custody:	2238	Date Received:	03-15-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-15-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	6.46	s.u.		
Conductivity @ 25° C	29,900	umhos/cm		
Total Dissolved Solids @ 180C	18,840	mg/L		
Total Dissolved Solids (Calc)	18,750	mg/L		
SAR	81.9	ratio		
Total Alkalinity as CaCO3	560	mg/L		
Total Hardness as CaCO3	1,280	mg/L		
Bicarbonate as HCO3	560	mg/L	9.18	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	<0.01	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	11,040	mg/L	311.44	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	<0.01	mg/L	0.00	meq/L
Sulfate	75.8	mg/L	1.58	meq/L
Iron	77.7	mg/L	2.78	meq/L
Calcium	304	mg/L	15.17	meq/L
Magnesium	127	mg/L	10.45	meq/L
Potassium	124	mg/L	3.17	meq/L
Sodium	6,740	mg/L	293.19	meq/L
Cations			321.98	meq/L
Anions			322.19	meq/L
Cation/Anion Difference			0.07%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Juniper West SWD #1

Deena C. Quinn
Analyst

Christopher M. Webster
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Coleman Oil & Gas	Project #:	05206-001
Sample ID:	Swab #3 <i>Point Lookout</i>	Date Reported:	03-19-07
Laboratory Number:	40536	Date Sampled:	03-16-07
Chain of Custody:	2293	Date Received:	03-16-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-19-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	6.95	s.u.		
Conductivity @ 25° C	25,500	umhos/cm		
Total Dissolved Solids @ 180C	13,010	mg/L		
Total Dissolved Solids (Calc)	12,940	mg/L		
SAR	77.7	ratio		
Total Alkalinity as CaCO3	700	mg/L		
Total Hardness as CaCO3	702	mg/L		
Bicarbonate as HCO3	700	mg/L	11.47	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.80	mg/L	0.01	meq/L
Nitrite Nitrogen	0.001	mg/L	0.00	meq/L
Chloride	7,400	mg/L	208.75	meq/L
Fluoride	1.43	mg/L	0.08	meq/L
Phosphate	2.60	mg/L	0.08	meq/L
Sulfate	62.9	mg/L	1.31	meq/L
Iron	40.5	mg/L	1.45	meq/L
Calcium	194	mg/L	9.68	meq/L
Magnesium	52.7	mg/L	4.34	meq/L
Potassium	75.0	mg/L	1.92	meq/L
Sodium	4,730	mg/L	205.76	meq/L
Cations			221.69	meq/L
Anions			221.71	meq/L
Cation/Anion Difference			0.01%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Juniper West SWD #1**

Christine M. Wailes
Analyst

Shawn P. O'Brien
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Coleman Oil & Gas	Project #:	05206-001
Sample ID:	Swab #4 <i>Point Lookout</i>	Date Reported:	03-19-07
Laboratory Number:	40537	Date Sampled:	03-17-07
Chain of Custody:	2295	Date Received:	03-19-07
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-19-07
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	7.03	s.u.		
Conductivity @ 25° C	26,200	umhos/cm		
Total Dissolved Solids @ 180C	13,600	mg/L		
Total Dissolved Solids (Calc)	13,440	mg/L		
SAR	86.8	ratio		
Total Alkalinity as CaCO3	680	mg/L		
Total Hardness as CaCO3	618	mg/L		
Bicarbonate as HCO3	680	mg/L	11.15	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.20	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	7,700	mg/L	217.22	meq/L
Fluoride	1.34	mg/L	0.07	meq/L
Phosphate	2.00	mg/L	0.06	meq/L
Sulfate	66.2	mg/L	1.38	meq/L
Iron	1.77	mg/L	0.06	meq/L
Calcium	188	mg/L	9.38	meq/L
Magnesium	36.1	mg/L	2.97	meq/L
Potassium	73.3	mg/L	1.87	meq/L
Sodium	4,960	mg/L	215.76	meq/L
Cations			229.99	meq/L
Anions			229.88	meq/L
Cation/Anion Difference			0.05%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Juniper West SWD #1

Christine M. Wailes
Analyst

Alison P. O'Brien
Review