

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



**RECEIVED**  
FOR OGCC USE ONLY

JUN 14 2012

**COGCC**

Complete the  
Attachment Checklist

**SOURCE OF PRODUCED WATER FOR DISPOSAL**

This form must be completed for any new disposal site and for any change in sources of produced water for an existing disposal site.

OGCC Operator Number: 10275A  
Name of Operator: Augustus Energy Partners, LLC  
Address: P. O. Box 250  
City: Wray State: CO Zip: 80758  
Contact Name and Telephone:  
Loni Davis  
No: 970-332-3585  
Fax: 970-332-3587

Chemical Analysis of fluid	Oper OGCC
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

OGCC Disposal Facility Number: 159127  
Operator's Disposal Facility Name: Salvador Water Disposal Well Operator's Disposal Facility Number: 14-28  
Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW/4, Sec 28 T5N-R46W, 6th PM  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ County: Yuma

If more space is required,  
attach additional sheet.

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: 05-125-08145 Well Name & No: Crossland 09-02  
☒ Operator Name: Augustus Energy Partners, LLC Operator No: 10275  
**Delete Source:** Location: QtrQtr: SENE Section: 2 Township: 4N Range: 46W Producing Formation: NBRR  
☐ Analysis Attached? ☒ Yes ☐ No Transported to disposal site via: ☒ Pipeline ☐ Truck TDS: 17561.6

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: 05-125-09793 Well Name & No: Crossland 32-02 4N46W  
☒ Operator Name: Augustus Energy Partners, LLC Operator No: 10275  
**Delete Source:** Location: QtrQtr: SWNE Section: 2 Township: 4N Range: 46W Producing Formation: NBRR  
☐ Analysis Attached? ☒ Yes ☐ No Transported to disposal site via: ☒ Pipeline ☐ Truck TDS: 17597.4

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: \_\_\_\_\_ Well Name & No: \_\_\_\_\_  
☐ Operator Name: \_\_\_\_\_ Operator No: \_\_\_\_\_  
**Delete Source:** Location: QtrQtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Producing Formation: \_\_\_\_\_  
☐ Analysis Attached? ☐ Yes ☐ No Transported to disposal site via: ☐ Pipeline ☐ Truck TDS: \_\_\_\_\_

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: \_\_\_\_\_ Well Name & No: \_\_\_\_\_  
☐ Operator Name: \_\_\_\_\_ Operator No: \_\_\_\_\_  
**Delete Source:** Location: QtrQtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Producing Formation: \_\_\_\_\_  
☐ Analysis Attached? ☐ Yes ☐ No Transported to disposal site via: ☐ Pipeline ☐ Truck TDS: \_\_\_\_\_

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: \_\_\_\_\_ Well Name & No: \_\_\_\_\_  
☐ Operator Name: \_\_\_\_\_ Operator No: \_\_\_\_\_  
**Delete Source:** Location: QtrQtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Producing Formation: \_\_\_\_\_  
☐ Analysis Attached? ☐ Yes ☐ No Transported to disposal site via: ☐ Pipeline ☐ Truck TDS: \_\_\_\_\_

**Add Source:** OGCC Lease No: \_\_\_\_\_ API No: \_\_\_\_\_ Well Name & No: \_\_\_\_\_  
☐ Operator Name: \_\_\_\_\_ Operator No: \_\_\_\_\_  
**Delete Source:** Location: QtrQtr: \_\_\_\_\_ Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Producing Formation: \_\_\_\_\_  
☐ Analysis Attached? ☐ Yes ☐ No Transported to disposal site via: ☐ Pipeline ☐ Truck TDS: \_\_\_\_\_

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Loni J. Davis

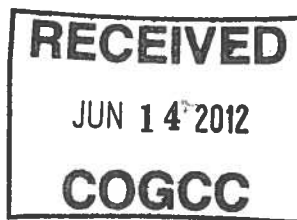
Signed: Loni J. Davis

Title: Operations Accounting and Regulatory Specialist

Date: 06/13/12

OGCC Approved: ACE for Steve Lindblom Title: FPS TR Eastern CO Date: 06/19/2012

CONDITIONS OF APPROVAL, IF ANY:



SqW

Rocky Mountain Region  
1675 Broadway, Suite 1500  
Denver, CO 80202  
(303) 573-2772  
Lab Team Leader - Shella Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	AUGUSTUS ENERGY	Sales RDT:	44640
Region:	ROCKY MOUNTAINS	Account Manager:	CURT LAPP (970) 630-9347
Area:	WRAY, CO	Sample #:	603024
Lease/Platform:	CROSSLAND LEASE	Analysis ID #:	121004
Entity (or well #):	9-2	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	BLEEDER		

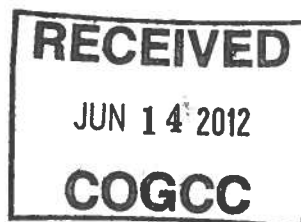
Summary		Analysis of Sample 603024 @ 75 °F					
Sampling Date:	05/17/12	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	06/04/12	Chloride:	9651.0	272.22	Sodium:	6443.6	280.28
Analyst:	STACEY SMITH	Bicarbonate:	1164.0	19.08	Magnesium:	37.0	3.04
TDS (mg/l or g/m3):	17561.6	Carbonate:	0.0	0.	Calcium:	92.0	4.59
Density (g/cm3, tonne/m3):	1.013	Sulfate:	24.0	0.5	Strontium:	15.0	0.34
Anion/Cation Ratio:	1.0000000	Phosphate:			Barium:	23.0	0.33
Carbon Dioxide:		Borate:			Iron:	31.0	1.12
Oxygen:		Silicate:			Potassium:	80.0	2.05
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		7.71	Copper:		
		pH used in Calculation:		7.71	Lead:		
					Manganese:	1.000	0.04
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.67	32.38	-2.95	0.00	-3.01	0.00	-1.95	0.00	1.34	12.06	0.25
100	0	0.72	37.54	-2.97	0.00	-2.97	0.00	-1.94	0.00	1.18	11.37	0.38
120	0	0.77	43.05	-2.99	0.00	-2.90	0.00	-1.92	0.00	1.05	11.02	0.56
140	0	0.83	48.56	-2.99	0.00	-2.82	0.00	-1.90	0.00	0.94	10.33	0.8

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.



Salv

Rocky Mountain Region  
1675 Broadway, Suite 1500  
Denver, CO 80202  
(303) 573-2772  
Lab Team Leader - Sheila Hernandez  
(432) 495-7240

## Water Analysis Report by Baker Petrolite

Company:	AUGUSTUS ENERGY	Sales RDT:	44640
Region:	ROCKY MOUNTAINS	Account Manager:	CURT LAPP (970) 630-9347
Area:	WRAY, CO	Sample #:	603023
Lease/Platform:	CROSSLAND LEASE	Analysis ID #:	121005
Entity (or well #):	32-2	Analysis Cost:	\$90.00
Formation:	UNKNOWN		
Sample Point:	BLEEDER		

Summary		Analysis of Sample 603023 @ 75 °F					
Sampling Date:	05/17/12	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	06/04/12	Chloride:	9738.0	274.67	Sodium:	6499.1	282.7
Analyst:	STACEY SMITH	Bicarbonate:	1123.0	18.4	Magnesium:	38.0	3.13
TDS (mg/l or g/m3):	17597.4	Carbonate:	0.0	0.	Calcium:	95.0	4.74
Density (g/cm3, tonne/m3):	1.013	Sulfate:	3.0	0.06	Strontium:	14.0	0.32
Anion/Cation Ratio:	1.0000000	Phosphate:			Barium:	21.0	0.31
Carbon Dioxide:		Borate:			Iron:	24.0	0.87
Oxygen:		Silicate:			Potassium:	42.0	1.07
Comments:		Hydrogen Sulfide:			Aluminum:		
		pH at time of sampling:			Chromium:		
		pH at time of analysis:		7.69	Copper:		
		pH used in Calculation:		7.69	Lead:		
					Manganese:	0.300	0.01
					Nickel:		

Conditions		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Gauge Press.	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>		CO <sub>2</sub> Press
°F	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	psi
80	0	0.65	31.34	-3.84	0.00	-3.90	0.00	-2.88	0.00	0.40	1.38	0.25
100	0	0.70	36.85	-3.86	0.00	-3.86	0.00	-2.87	0.00	0.24	1.03	0.38
120	0	0.76	42.71	-3.88	0.00	-3.79	0.00	-2.86	0.00	0.11	0.34	0.56
140	0	0.82	48.56	-3.88	0.00	-3.70	0.00	-2.83	0.00	0.00	0.00	0.79

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO2 pressure is actually the calculated CO2 fugacity. It is usually nearly the same as the CO2 partial pressure.

