



# dugan production corp.

RECEIVED OCD

2012 OCT 15 P 12:41

10/11/2012

Mr. Will Jones  
NMOCD  
1220 South St. Frances Drive  
P.O. Box 6429  
Santa Fe, NM 87505

Re: Transmittal of Water Sample St. Moritz SWD 2 Administrative Order SWD-1318

Will:

Attached is our insitu water sample from the St. Moritz SWD No. 2 well. The well is located 2200' fsl & 1780' fel, S.26-T.24N-R.10W, API 30-045-35281. Injection formation is the Entrada through perforations 6842' - 7070'.

Sincerely,

John Alexander  
Vice President  
[John.alexander@duganproduction.com](mailto:John.alexander@duganproduction.com)

Attachment

CC:  
Brandon Powell  
NMOCD  
1000 Rio Brazos  
Aztec, NM 87410



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Dugan Production Corporation PO Box 420 Farmington NM, 87499	Project: API Project Name / Number: [none] Project Manager: John Alexander	Reported: 10/08/12 15:25
--	--	-----------------------------

**St. Moritz SWD #2**

**1209135-01 (Water)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

\*\*\* DEFAULT GENERAL METHOD \*\*\*

Resistivity	76.2			ohm/cm	1	10/08/12	2510B	HI	DJZ
-------------	------	--	--	--------	---	----------	-------	----	-----

**General Chemistry**

Alkalinity, Bicarbonate	214	10.0		mg/L	2	09/27/12	2320 B	HI	ABP
Alkalinity, Carbonate	<10.0	10.0		mg/L	2	09/27/12	2320 B	HI	ABP
Alkalinity, Hydroxide	<10.0	10.0		mg/L	2	09/27/12	2320 B	HI	ABP
Alkalinity, Total	214	10.0		mg/L	2	09/27/12	2320 B	HI	ABP
Chloride	880	100	50.0	mg/L	10	09/27/12	4500Cl- B	HI	ABP
Conductivity	13100	10.0		uS/cm	1	09/25/12	2510 B	HI	MJV
pH	8.24			pH Units	1	09/25/12	150.1	HI	MJV
Specific Gravity	1.006			N/A	1	09/28/12	Hydrometer, Modified Bouyoucos	HI	ABP
Sulfate	5800	1000	163	mg/L	100	10/03/12	4500SO4 E	HI	ABP
TDS	10100	10.0		mg/L	1	09/27/12	160.1	HI	ABP

**Total Metals by ICP**

Iron	8.06	0.250	0.019	mg/L	5	10/05/12	6010B	HI	JGS
------	------	-------	-------	------	---	----------	-------	----	-----

**Dissolved Metals by ICP**

Calcium	113	10.0	0.050	mg/L	10	09/27/12	200.7	HI	JGS
Hardness	281	66.2	0.763	mg/L	10	09/27/12	[CALC]		JGS
Iron	<0.500	0.500	0.043	mg/L	10	09/27/12	200.7	HI	JGS
Magnesium	<10.0	10.0	0.155	mg/L	10	09/27/12	200.7	HI	JGS
Potassium	27.7	10.0	2.47	mg/L	10	09/27/12	200.7	HI	JGS
Sodium	2980	10.0	0.087	mg/L	10	09/27/12	200.7	HI	JGS

Cation/Anion Balance	-4.4								
----------------------	------	--	--	--	--	--	--	--	--

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.