



# dugan production corp.

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2012 OCT 15 P 12:44

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

ENCLOSURE



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

### St. Moritz SWD #2

#### 1209135-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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#### \*\*\* DEFAULT GENERAL METHOD \*\*\*

Resistivity	76.2			ohm/cm	1	10/08/12	2510B	H1	DJZ
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#### General Chemistry

Alkalinity, Bicarbonate	214	10.0		mg/L	2	09/27/12	2320 B	H1	ABP
Alkalinity, Carbonate	<10.0	10.0		mg/L	2	09/27/12	2320 B	H1	ABP
Alkalinity, Hydroxide	<10.0	10.0		mg/L	2	09/27/12	2320 B	H1	ABP
Alkalinity, Total	214	10.0		mg/L	2	09/27/12	2320 B	H1	ABP
Chloride	880	100	50.0	mg/L	10	09/27/12	4500Cl- B	H1	ABP
Conductivity	13100	10.0		uS/cm	1	09/25/12	2510 B	H1	MJV
pH	8.24			pH Units	1	09/25/12	150.1	H1	MJV
Specific Gravity	1.006			N/A	1	09/28/12	Hydrometer, Modified Bouyoucos	H1	ABP
Sulfate	5800	1000	163	mg/L	100	10/03/12	4500SO4 E	H1	ABP
TDS	10100	10.0		mg/L	1	09/27/12	160.1	H1	ABP

#### Total Metals by ICP

Iron	8.06	0.250	0.019	mg/L	5	10/05/12	6010B	H1	JGS
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#### Dissolved Metals by ICP

Calcium	113	10.0	0.050	mg/L	10	09/27/12	200.7	H1	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	H1	JGS
Magnesium	<10.0	10.0	0.155	mg/L	10	09/27/12	200.7	H1	JGS
Potassium	27.7	10.0	2.47	mg/L	10	09/27/12	200.7	H1	JGS
Sodium	2980	10.0	0.087	mg/L	10	09/27/12	200.7	H1	JGS

Cation/Anion Balance	-4.4
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Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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