



# dugan production corp.

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2012 OCT -2 P 12:37

9/21/2012

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

Re: Transmittal of Water Sample Morrison SWD 2 Administrative Order SWD-1317

Will:

Attached is our insitu water sample from the St. Moritz SWD No. 2 well. The well is located 1350' fnl & 365' fel, S.13-T.22N-R.9W, API 30-045-33684. Injection formation is the Entrada through perforations 6254' - 6386'.

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



Dugan Production Corporation PO Box 420 Farmington NM, 87499	Project: API Project Name / Number: [none] Project Manager: John Alexander	Reported: 09/21/12 15:44
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**Morrison SWD 2**

**1209026-01 (Water)**

Analyte	Result	Reporting			Analyzed	Method	Notes	Analyst
		Limit	Units	Dilution				
<b>*** DEFAULT GENERAL METHOD ***</b>								
Resistivity	75.7		ohm/cm	1	09/18/12	2510B		DJZ
<b>General Chemistry</b>								
Alkalinity, Bicarbonate	184	10.0	mg/L	1	09/12/12	2320 B		ABP
Alkalinity, Carbonate	ND	10.0	mg/L	1	09/12/12	2320 B		ABP
Alkalinity, Hydroxide	ND	10.0	mg/L	1	09/12/12	2320 B		ABP
Alkalinity, Total	186	10.0	mg/L	1	09/12/12	2320 B		ABP
Chloride	900	100	mg/L	10	09/13/12	4500Cl- B		ABP
Conductivity	13200	10.0	uS/cm	1	09/06/12	2510 B		MJV
pH	8.13		pH Units	1	09/06/12	150.1	H1	MJV
Specific Gravity	1.010		N/A	1	09/10/12	Hydrometer, Modified Bouyoucos	H1	ABP
Sulfate	6000	2000	mg/L	200	09/14/12	4500SO4 E		ABP
TDS	10400	10.0	mg/L	1	09/12/12	160.1	Q1	ABP
<b>Total Metals by ICP</b>								
Iron	26.5	0.050	mg/L	1	09/20/12	6010B		JGS
<b>Dissolved Metals by ICP</b>								
Calcium	162	20.0	mg/L	20	09/10/12	200.7		JGS
Hardness	440	54.1	mg/L	20	09/10/12	[CALC]		JGS
Iron	ND	0.050	mg/L	1	09/10/12	200.7		JGS
Magnesium	8.75	1.00	mg/L	1	09/10/12	200.7		JGS
Potassium	28.8	20.0	mg/L	20	09/10/12	200.7		JGS
Sodium	3290	20.0	mg/L	20	09/10/12	200.7		JGS
Cation/Anion Balance	-09							

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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