



<b>To:</b> EOG Resources	<b>Lab #:</b> 49690
<b>Lease:</b> Jubille	<b>Sample Date:</b> 10/3/16
<b>Well No.:</b> 194-2311H	<b>Sample Analyzed:</b> 10/24/16
<b>Location:</b> Treater Outlet	<b>Analyzed By:</b> V.W./D.M..

<b>Analysis</b>		<b>Probable Mineral Comp.</b>	<b>mg/l</b>
Specific Gravity (74°F)	1.0256	Ca(HCO <sub>3</sub> ) <sub>2</sub>	453.70
pH, Lab Measure	6.85	CaSO <sub>4</sub>	64.31
Calcium Carbonate S.I. @ 80°F (Stiff-Davis)	-0.60	CaCl <sub>2</sub>	657.58
Calcium Carbonate S.I. @ 140°F (Stiff-Davis)	0.24	Mg(HCO <sub>3</sub> ) <sub>2</sub>	0.00
Calcium Sulfate Scaling Tendency	no	MgSO <sub>4</sub>	0.00
Barium Sulfate Scaling Tendency	yes	MgCl <sub>2</sub>	213.64
		NaHCO <sub>3</sub>	0.00
<b>Dissolved Gases</b>	<b>mg/l</b>	NaSO <sub>4</sub>	0.00
Hydrogen Sulfide (H <sub>2</sub> S)	N/A	NaCl	29733.98
Carbon Dioxide (CO <sub>2</sub> ), Calculated	77.203652		
Dissolved Oxygen (O <sub>2</sub> )	N.D.		

<b>Cations</b>	<b>mg/l</b>	<b>meq/l</b>	<b>Anions</b>	<b>mg/l</b>	<b>meq/l</b>
Sodium (Na)	10546.43	458.74	Chloride (Cl)	18611.25	523.67
Calcium (Ca)	390.34	19.42	Bicarbonate (HCO <sub>3</sub> )	341.60	5.60
Magnesium (Mg)	54.52	4.49	Carbonate (CO <sub>3</sub> )	0.00	0.00
Potassium (K)	119.26	3.05	Hydroxyl (OH)	0.00	0.00
Iron (Fe)	43.65	1.56	Sulfate (SO <sub>4</sub> )	124.03	2.58
Barium (Ba)	37.84	0.55			
Manganese (Mn)	0.88	0.03			
Strontium (SR)	62.85	1.43			

Total Dissolved Solids, Calculated (mg/l)	30270
Total Hardness as mg/l CaCO <sub>3</sub>	1199
Resistivity (Ω/m) @ 75°F	N/A

