



To: EOG Resources	Lab #: 49694
Lease: Bull Canyon	Sample Date: 10/3/16
Well No.: 513-0508H	Sample Analyzed: 10/24/16
Location: Treater Outlet	Analyzed By: V.W./D.M..

Analysis		Probable Mineral Comp.	mg/l
Specific Gravity (74°F)	1.0235	Ca(HCO ₃) ₂	413.19
pH, Lab Measure	7.03	CaSO ₄	54.81
Calcium Carbonate S.I. @ 80°F (Stiff-Davis)	-0.51	CaCl ₂	689.55
Calcium Carbonate S.I. @ 140°F (Stiff-Davis)	0.34	Mg(HCO ₃) ₂	0.00
Calcium Sulfate Scaling Tendency	no	MgSO ₄	0.00
Barium Sulfate Scaling Tendency	yes	MgCl ₂	190.28
		NaHCO ₃	0.00
Dissolved Gases	mg/l	NaSO ₄	0.00
Hydrogen Sulfide (H ₂ S)	N/A	NaCl	32164.61
Carbon Dioxide (CO ₂), Calculated	46.45		
Dissolved Oxygen (O ₂)	N.D.		

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium (Na)	11017.95	479.25	Chloride (Cl)	20088.33	565.23
Calcium (Ca)	369.18	18.37	Bicarbonate (HCO ₃)	311.10	5.10
Magnesium (Mg)	48.56	4.00	Carbonate (CO ₃)	0.00	0.00
Potassium (K)	109.78	2.81	Hydroxyl (OH)	0.00	0.00
Iron (Fe)	86.53	3.10	Sulfate (SO ₄)	65.75	1.37
Barium (Ba)	32.25	0.47			
Manganese (Mn)	1.79	0.07			
Strontium (SR)	65.10	1.49			

Total Dissolved Solids, Calculated (mg/l)	32131
Total Hardness as mg/l CaCO ₃	1122
Resistivity (Ω/m) @ 75°F	N/A

