

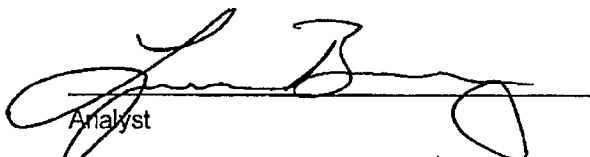
Pierce A 2E *API # 3004524410*

Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	Pierce A #2E	Date Reported:	08/12/11
Laboratory Number:	59239	Date Sampled:	08/10/11
Chain of Custody:	12330	Date Received:	08/10/11
Sample Matrix:	Aqueous	Date Analyzed:	08/11/11
Preservative:			
Condition:	Intact		

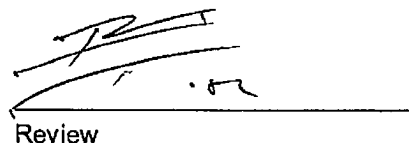
Parameter	Analytical Result	Units		
pH	11.9	s.u.		
Conductivity @ 25° C	5,640	umhos/cm	RCVD DEC 1 '11	
Total Dissolved Solids @ 180C	5,140	mg/L		
Total Dissolved Solids (Calc)	4,300	mg/L	OIL CONS. DIV.	
SAR	260	ratio	DIST. 3	
Total Alkalinity as CaCO3	420	mg/L		
Total Hardness as CaCO3	7.09	mg/L		
Bicarbonate as CaCO3	< 0.01	mg/L	0.000	meq/L
Carbonate as CaCO3	240	mg/L	8.00	meq/L
Hydroxide as CaCO3	180	mg/L	10.6	meq/L
Nitrate Nitrogen	< 0.01	mg/L	0.000	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	18.4	mg/L	0.518	meq/L
Fluoride	0.103	mg/L	0.005	meq/L
Phosphate	< 0.01	mg/L	0.000	meq/L
Sulfate	2,420	mg/L	50.4	meq/L
Iron	0.424	mg/L	0.015	meq/L
Calcium	2.82	mg/L	0.141	meq/L
Magnesium	< 0.01	mg/L	0.001	meq/L
Potassium	11.9	mg/L	0.304	meq/L
Sodium	1,590	mg/L	69.2	meq/L
Cations			69.6	meq/L
Anions			69.5	meq/L
Cation/Anion Difference			0.17%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Braden Head**



 Analyst



 Review