



Exploration & Production
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RCVD MAR15'07

OIL CONS. DIV.

DIST. 3

Memo

To: Monica Kuehling, Oil & Gas Inspector
NMOCD, Aztec District Office

From: Myke Lane
San Juan Basin Operations – EHS Specialist

Date: March 15, 2007

Re: Lab Results from Rosa 310A

30-039-29779

Following your call regarding water in the flare portion of the reserve pit on the Rosa 310A (S, Sec 26, Twp 31N, Rng 04W, NMPM), WPX arrange for enough water to be removed from the pit to keep all liquid in the lined portion, and additional freeboard for future storms.

In addition, I collected a water sample from flare portion for API testing at Envirotech. The results indicate low TDS (<500ppm) and Cl of 37 ppm indicating meteoric water not produced. Refer to the attached lab testing.

Please let me know if you need any additional information.

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****CATION / ANION ANALYSIS**


Client: Williams Prod.
 Sample ID: Rosa 310 A
 Laboratory Number: 40490
 Chain of Custody: 2226
 Sample Matrix: Water
 Preservative: Cool
 Condition: Cool & Intact

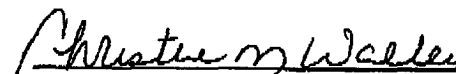
Project #: 04108-003-2226
 Date Reported: 03-14-07
 Date Sampled: 03-12-07
 Date Received: 03-13-07
 Date Extracted: N/A
 Date Analyzed: 03-14-07

Parameter	Analytical Result	Units		
pH	8.37	s.u.		
Conductivity @ 25° C	401	umhos/cm		
Total Dissolved Solids @ 180C	280	mg/L		
Total Dissolved Solids (Calc)	270	mg/L		
SAR	5.9	ratio		
Total Alkalinity as CaCO ₃	140	mg/L		
Total Hardness as CaCO ₃	37.4	mg/L		
Bicarbonate as HCO ₃	140	mg/L	2.29	meq/L
Carbonate as CO ₃	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.02	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	36.6	mg/L	1.03	meq/L
Fluoride	0.23	mg/L	0.01	meq/L
Phosphate	<0.01	mg/L	0.00	meq/L
Sulfate	49.1	mg/L	1.02	meq/L
Iron	3.25	mg/L	0.12	meq/L
Calcium	8.46	mg/L	0.42	meq/L
Magnesium	3.97	mg/L	0.33	meq/L
Potassium	1.07	mg/L	0.03	meq/L
Sodium	82.5	mg/L	3.59	meq/L
Cations			4.36	meq/L
Anions			4.36	meq/L
Cation/Anion Difference			0.07%	

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: Rosa 208/310A


 Analyst


 Review