

OGMCOAL - Horse / Lila Canyon WQ10-4 Upload Report

From: Kevin Lundmark
To: Dana Marrelli
Date: 3/17/2011 7:18 AM
Subject: Horse / Lila Canyon WQ10-4 Upload Report
CC: OGMCOAL
Attachments: HC_WQ10-4_Upload.pdf

Hi Dana,
Please find an upload report attached for Horse / Lila canyon 4th quarter 2010. Please let me know if you see anything missing.

Can you please check the flow value for spring 3C (Quaker Spring)? A flow value of 0 gpm is shown but a sample was collected. I'd also like you to confirm that the pH meter was properly calibrated and the calibration verified on 11/6/2010 when Quaker Spring was monitored. The pH reported for Quaker Spring on 11/6/2010 is 9.75, which is quite high and does not agree with the reported carbonate alkalinity value of <5 mg/L.

Thanks,
Kevin

Kevin Lundmark
Utah Department of Natural Resources
Division of Oil, Gas & Mining
kevinlundmark@utah.gov
(801)538-5352

SITE TYPE	SITE NAME	SITE DESCRIPTION	DATE	TIME		
Spring	3C (QUAKER SP)	Quaker Spring	11/6/2010	945	Wat. Temp	6.66666 Deg. C
					F-pH	9.75 pH units
					Cond(FLD)	509 umhos/cm
					Flow	0 GPM
					TSS	< 5. mg/l
					D-Ca	26.67 mg/l
					D-Fe	< .03 mg/l
					D-Mg	26.25 mg/l
					D-Mn	< .002 mg/l
					D-K	0.84 mg/l
					D-Na	54.88 mg/l
					Bcrb CaCO3	255 mg/l
					Carb CaCO3	< 5. mg/l
					Cl	6 mg/l
					F	0.11 mg/l
					SO4	30 mg/l
					T-Alk	255 mg/l
					T-Hardns	175 mg/l
					TDS	295 mg/l
					Set Solids	< .1 ml/l
					T-Cats	5.9 meq/l
					T-Anis	5.88 meq/l
					Cat-Ani	0.18 PC DIFF
					T-Fe	< .05 mg/l
					T-Mn	< .002 mg/l
Spring	L-11-G	Mont/Leslie Spring (H-18A)	11/6/2010	835	Flow	0 GPM
Spring	L-12-G	Unnamed Spring	11/6/2010	130	Flow	0 GPM
Spring	L-16-G	Little Stink	11/6/2010	930	Flow	0 GPM
Spring	L-17-G	Big Stink	11/6/2010	1012	Flow	0 GPM
Spring	L-7-G	Cottonwood Spring (9. S-9)	11/6/2010	1025	Flow	0 GPM
Spring	L-8-G	Unnamed Spring (10. S-10)	11/6/2010	1230	Flow	0 GPM
Spring	L-9-G	Pine Spring (16. S-16)	11/6/2010	1255	Flow	0 GPM
Stream	B-1	(HC-2) Horse Cyn Wash BL mine	11/6/2010	800	Flow	0 GPM
Stream	L-1-S	Lila Canyon Creek	11/7/2010	1030	Flow	0 GPM
Stream	L-13-S	Little Park Wash	11/7/2010	1030	Flow	0 GPM
Stream	L-14-S	No Name Wash	11/6/2010	1030	Flow	0 GPM
Stream	L-18-S	Stinky Springs Wash	11/7/2010	1030	Flow	0 GPM
Stream	L-19-S	Little Park Wash. Below Permit Area	11/6/2010	1030	Flow	0 GPM
Stream	L-2-S	Right Fk. Lila Canyon AB mine	11/7/2010	1030	Flow	0 GPM
Stream	L-3-S	Lila Canyon BL mine	11/7/2010	1030	Flow	0 GPM
UPDES Permit discharge point	L-4-S	UPDES UTG0040024-001 Sediment Pond Q.	12/16/2010	800	Flow	0 GPM
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UPDES Permit discharge point	L-4-S	UPDES UTG0040024-001 Sediment Pond Q.	10/20/2010	800	Flow	0 GPM
UPDES Permit discharge point	L-5-G	UPDES UTG0040024-002 Mine Water Discharg	12/16/2010	800	Flow	0 GPM
UPDES Permit discharge point	L-5-G	UPDES UTG0040024-002 Mine Water Discharg	11/12/2010	800	Flow	0 GPM
UPDES Permit discharge point	L-5-G	UPDES UTG0040024-002 Mine Water Discharg	10/20/2010	800	Flow	0 GPM
Well	IPA-1	Little Park Wash Well #1	11/6/2010	1055	Depth	1103.32 feet
Well	IPA-2	Little Park Wash Well #2	11/6/2010	850	Depth	899.01 feet
Well	IPA-3	Little Park Wash Well #3	11/6/2010	220	Depth	839.71 feet