

**F12E Visual Observation Walks
Drilling Observations
October 20, 2011 through March 12, 2012**

Date	Location	Time	Sampled Collected? (Y/N)	Conducted By:	Notes
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Production Drilling Observations

10/20/11	Langegger Property	930	N	DP, RK, AS	Initial F12E creek and pond baseline walkover.
	Thompson Property		N		
	Staufer Property		N		

01/27/12	Langegger Property	1400	N	GW, RK	5A2 completing surface casing, no visual impact to surface water
	Thompson Property		N		
	Staufer Property		N		

01/30/12	Langegger Property	1500	N	GW	Begin Drilling 12-5D1, ponds frozen, no visual impact to surface water
	Thompson Property		N		
	Staufer Property		N		

02/01/12	Langegger Property	1300	N	GW	Drilling 12-5D1, ponds frozen, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/03/12	Langegger Property	1320	N	GW	Drilling 12-5D1, ponds frozen, observed biofilm, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/06/12	Langegger Property	1335	Y	GW	Drilling 12-5D1, ponds frozen, collected biofilm sample (WP #605), no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/08/12	Langegger Property	950	N	GW	Finished 12-5D1, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/09/12	Langegger Property	1300	N	GW	Start 12-51A drilling, biofilm dissipated, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/10/12	Langegger Property	1015	N	GW	Drilling 12-51A, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

02/11/12	Langegger Property	1444	N	GW	Drilling 12-51A, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

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02/12/12	Langegger Property	1300	N	GW	Drilling 12-51A, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/13/12	Langegger Property	1200	N	GW	Drilling 12-51A, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/14/12	Langegger Property	1150	N	GW	Drilling 12-51A, creek had greater sediment in suspension (runoff), no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/15/12	Langegger Property	950	N	GW	Begin drilling 12-5A2, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/17/12	Langegger Property	646	N	MB	Drilling 12-5A2, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/20/12	Langegger Property	900	N	GW	Drilling 12-5A2, fresh snow, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/22/12	Langegger Property	1300	N	GW	Drilling 12-4D1, warmer, runoff starting, ponds melting & clear, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/24/12	Langegger Property	1230	N	GW	Drilling 12-4D1, runoff, ponds melting & clear, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/27/12	Langegger Property	1444	N	GW	Drilling 12-4D1, runoff, ponds melting & clear, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
02/29/12	Langegger Property	1430	N	GW	Drilling 12-4D1, runoff, aeration foam on creek, sediment in suspension, biofilm (WP#605, 622, & point next to Bracken fence), no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

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03/02/12	Langegger Property	643	N	MB	Drilling 12-4D1, 6 inch of new snow, aeration foam on creek, sediment in suspension, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
03/05/12	Langegger Property	1030	N	GW	Drilling 12-4A1, aeration foam on creek, sediment in suspension, biofilm still present (WP#605, 623, & point next to Bracken fence), no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
03/07/12	Langegger Property	1350	N	GW	Drilling 12-4A1, aeration foam on creek, sediment in suspension, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
03/09/12	Langegger Property	835	N	SJ	Drilling 12-4A1, aeration foam on creek, sediment in suspension, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		
03/12/12	Langegger Property	1530	N	GW	Drilling 12-4A1, aeration foam on creek, sediment in suspension, Most snow/ice melted, no visual impacts to surface water
	Thompson Property		N		
	Staufer Property		N		

GW = Garrett Waltsak (Rule)

RK = Russ Knight (Rule)

WP #605 (39.46296 / -107.62321)

SJ = Shad Johnson (Rule)

DP = Dan Prokop (Encana)

WP #622 (39.46402 / -107.62032)

MB = Megan Brown (Rule)

AS = Aaron Stacy (Olsson Associates)

WP #623 (39.46217 / -107.62278)

F12E Designated area includes:

Three ponds located on the Langegger property.

The area of West Divide Creek which falls within Section 12 that includes the Langegger, Thompson and Staufer properties.