



# Columbine Logging, Inc.

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**Well:** *Orlando Hill 26-44-8-61*

**Date:** 05/23/2011

**Depth @ 4:30am:** 7080' 'Ystdy 7080' Last 24 hrs: 0', Avg. Drill Rate: 0 ft/hr

**Currently:** 7080'

**Drilling Parameters (while drilling):** WOB: NA PP: NA

RPM: NA SPM: NA

**Lithology @ 7080'** - SS: lt gy - m gy, sbblky - blk, mod hd - hd. lse consol - consol, f - m gr, abnt py in mtx, sl calc - calc, tr bent

<b>SANDSTONE:</b> 10%	<b>SILTSTONE:</b> 0%	<b>SHALE:</b> 75%	<b>SILTY SHALE:</b> 15%
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**Last Survey:** 3.6\* @ MD 6183' AZI 116.9

**Mud Weight & Viscosity:** WT: 9.5 VIS: 44

**Background Gas:** NA

**Peak Gas:** NA

**Connection Gas:** NA

**Trip Gas:** NA

**Shows:** currently cutting samples from Sharon Springs to current depth.

Formation	Prognosis	Observed	Formation	Prognosis	Observed
<b>Pierre Shale</b>	584' MD		<b>Cordell</b>	6609' MD	**6611'
<b>Hygiene</b>	3524' MD		<b>Greenhorn Lime</b>	6659' MD	6659'MD
<b>Sharon Springs</b>	6234' MD	~6234' MD	<b>D-Sands</b>	7013' MD	7015' MD
<b>Niobrara A</b>	6289' MD	6331' MD			
<b>Niobrara B</b>	6409' MD	6409'MD			
<b>Niobrara Bench</b>	6429' MD	6429'MD			
<b>Fort Hays</b>	6569' MD	6563' MD			

**Comments:** Currently tripped out of hole and preparing to TIH and drill the horizontal portion of the well.