



Exploration and Production
Well Squeeze Procedure

Well: **SG 431-32**

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Production Casing: 4-1/2" 11.6# I-80

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Correlate Log: Halliburton OH Log - 1/3/09

Date: 2/17/2009

Procedure: 3rd Squeeze

- Review CBL and initial completion procedure.
- MIRU Wireline.
- Shoot 2 squeeze holes at 3782'.
- RIH with composite cement retainer and set at 3700'.
- RIH with tubing and stab into cement retainer.
- Establish circulation with freshwater, leaving the bradenhead valve open.
- Pump 350 sxs of 17.0 ppg cement and stage last two bbl of slurry to achieve squeeze with bradenhead valve closed.
- Reverse circulate out any remaining cement in the tubing.
- POOH with tubing.
- Drill out cement, retainers, and solid plug.
- Run CBL over squeeze.
- Upon successful test continue with completions as planned.

Cement: 350 sxs AG-300 + 0.5% CFR-3
17.0 ppg 0.99 cuft/sk 3.84 gal/sk

Top of Cmt	Top of MV	Top of Gas	ETOC after squeeze	Top Perf
4030	2194	3673	3000	3782

Horz Rch	Max Angle	@ Depth	Max DLS	@ Depth	MD-TVD	Flt Collar
324	7.8	795	3.43	426	16	5128