



Exploration and Production
Well Squeeze Procedure

Date: 2/17/2009

Well: SG 431-32

Surf Loc: NWNW S32 T7S R96W

Field: GRAND VALLEY SOUTH

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

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

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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