

Current Wellbore Schematic

Encana Oil & Gas (USA) Inc.



WELL : Rasmussen 4-2-28 DIRECTIONAL
LOCATION : SENW Sec. 28 – T2N – R68W
COUNTY : WELD STATE: CO
FIELD : WATTENBERG
ELEVATION : 4935' (GL) 4948' (KB) $\Delta 13'$

SPUD DATE: 02/28/2013
COMPL. DATE: 04/23/13
API #: 05123328930000

HOLE SIZE

WELL HISTORY:

Rasmussen 4-2-28 was drilled in Q1 of 2013 and completed in Q2 of 2013.

Planned completion was 100% slickwater fluid system with ~110,000 # of white ottawa sand in each stage. We will be pumping 20/40 sand in the J-sand, and 40/70 sand in the Codell and Niobrara stages.

Frac plugs were drilled up with WOR. Bit was pumped off and left at PBTD. The EOT is currently 20 feet above the top J-sand perforation at 8106' MD.

8-5/8" 24# J-55 Surface Csg. @ 837'
Cmt'd w/ 300 sxs Type III Cement Class G
FRESH WATER @14.5 PPG. 1.410 ft3/sx

TOC @ 3770' Actual

Tubing Detail
248 jts 2-3/8" 4.7# J-55 Tbg
Seat nipple @ 8096' MD
Re-entry guide/EOT @ 8106' MD

Niobrara Perfs: 7459'-7475' (4 SPF, 0.42" DP)
Niobrara Completion: Frac with 111,700# 40/70 sand in 3549 bbls of slickwater.

Codell Perfs: 7685'-7706' (3 SPF, 0.42" DP)
Codell Completion: Frac with 108,680# 40/70 sand in 3102 bbls of slickwater.

J-Sand Perfs: 8127'-8130', 8133'-8155' (3 SPF, 0.42" DP)
J-Sand Completion: Frac with 109,600# 20/40 sand in 3441 bbls of slickwater

TD: 8250' MD
TD: 8120' TVD
PBTD: 8214' MD

4-1/2" 11.6# I-80 LT&C Prod. Csg. @ 8237'
4.000" ID, 3.875" Drift
7780 psi Burst, 6224 psi (80%)
Cmt'd w/ 485 sxs of Premium Lite Cmt (12.50 lb/gal. 2.0 ft3/sx) followed by 250 sxs of 50:50 Poz, Fly Ash (13.50 lb/gal. 1.71 ft3/sx.)