

WELLBORE DIAGRAM

CURRENT as of 5/16/14

Mineral Resources Inc

Valley Pack X-5 3-5-31

Sec 31-T5N-R65W

WELD

CO

05-123-26714

Surface: 2592' FSL, 1714' FWL (NESW) Sec 31-T5N-R65W

BHL: 2035' FSL, 1891' FWL (NESW) Sec 31-T5N-R65W

5/16/2014

PAG

KB	4671
GL	4659
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KB

PROD. CSG TOC: 386'

SURF CSG: 461'

Hole Size: 12-1/4"

8-5/8", 10 Jts, 24#

Cmt: w/ 370 sx

Hole Size: 7-7/8"

PERFS:

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Niobrara "A": 6849' - 6859', 4 SPF .70 EH, 8.65" PEN

Frac w/ 83,580 gal w/ 8,000 # 12/20 SBXL &

117,500 # 30/50 (12/18/08) SLF 47,586 GALS

PERFS:

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Niobrara "B" 6971' - 6981', 4 SPF .70 EH, 8.65" PEN

PERFS:

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Niobrara "C" 7031' - 7041', 4 SPF .70 EH, 8.65" PEN

Frac w/ 168,252x gal w/ 12,000 # 12/20 SBXL &

238,360 # 30/50 (12/18/08), SLF 92,232 GALS

POBS: 7108'

Top of POBS, SN, 226 Jts, 2-3/8" Tbg

PERFS:

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Codell 7152' - 7162', 4 SPF, .42 EH

Frac w/ 133,686 gal w/ 270,540 # 30/50 (12/18/08),

SLF 88,704 GALS

PBTD: 7741'

PROD. CSG: 7743'

TVD: 7693'

TD MD: 7750'

4-1/2", 200 Jts, 11.6#, N-80, LTC

Cmt: w/ 235 sx 50/50 poz, 525 sx HLC