

Attachment #1 – Wellbore Diagram

EnCana Oil & Gas (USA) Inc.

Well : Johnson-Niven 1-13J
Field : Wattenberg
County : Weld County State : Colorado
Surface : Lat: 40.1346050 Long: -104.9555660
API # : 1120 FSL, 1370 FWL NWSESW Sec 13 T2N R68W
Grd Elev : 4943' GR KB Elevation: 4953' KB

Log Tops:

Fox Hills Base 296'
Sussex 4265'
Niobrara 7239'
Codell 7499'
J Sand 7928'

Well History:

Spud 05/23/80
TD 06/11/80

Surface Casing

8-5/8" 24# Surface Casing
set @ 623', cmt'd w/ 480 sx.

Production Casing

4-1/2" 15.5# C-75 Production Casing
set @ 8120', cmt'd w/ 400 sx. 263
jts.

Production Tubing

2-3/8" 4.7# J-55 Tubing set
@ 7934'. 249 jts.

J Sand Perfs

7931'-7937', 7945'-7970' 1 SPF
Frac'd w/ 216,720 gal fluid and
100,000# 100 mesh, 620,000# 20/40
sand (10/30/80)

PBTD 8012'

TD 8126'

Drawn by:

Tyler Barela

Date:

01/11/2016

Attachment #2 – Proposed Wellbore Diagram

EnCana Oil & Gas (USA) Inc.

Well : Johnson-Niven 1-13J
Field : Wattenberg
County : Weld County **State :** Colorado
Surface : Lat: 40.1346050 Long: -104.9555660
API # : 1120 FSL, 1370 FWL NWSESW Sec 13 T2N R68W
Grd Elev : 4943' GR **KB Elevation:** 4953' KB

Log Tops:

| | |
|----------------|-------|
| Fox Hills Base | 296' |
| Sussex | 4265' |
| Niobrara | 7239' |
| Codell | 7499' |
| J Sand | 7928' |

Surface Casing

8-5/8" 24# Surface Casing
 set @ 623', cmt'd w/ 480 sx.

Production Casing

4-½" 15.5# C-75 Production Casing
 set @ 8120', cmt'd w/ 400 sx. 263 jts.

Production Tubing

2-3/8" 4.7# J-55 Tubing set
 @ 7934'. 249 jts.

PBTD 8012'

TD 8126'

Well History:

| | |
|------|----------|
| Spud | 05/23/80 |
| TD | 06/11/80 |

If cement coverage is insufficient over Niobrara top:

Squeeze holes @ ~20' above TOC
 Pump 100 sx cement minimum. Pump additional 25 sx cement for every 50' as needed.

J Sand Perfs

7931'-7937', 7945'-7970' 1 SPF
 Frac'd w/ 216,720 gal fluid and 100,000# 100 mesh, 620,000# 20/40 sand (10/30/80)

Drawn by:

Tyler Barela

Date:

01/11/2016