

# Well

# BROWN 31-5

Operator EnCana Oil & Gas (USA) Inc.  
 Location NE NW Section 5-T1N-R68W, 6<sup>th</sup> P.M.  
 County Weld  
 State Colorado  
 Field Wattenberg

### Footages

At the Surface: 467' FNL & 1987' FEL  
 At the Top of Prod Zone: 651' FNL & 1325' FEL  
 At the Bottom Hole: 642' FNL & 1986' FEL

Spud Date: 10-20-2006

TD Date: 10-28-2006

## Log Tops

Sussex	4533'
Niobrara	7537'
Codell	7865'
J Sand	8303'
Log TD	8485'

### CFP

Set @ 7710 on 4/26/12  
 Drilled out 5/4/12

### CIBP

Set @ 7980 on 4/26/12  
 Drilled out 5/4/12

### CBP

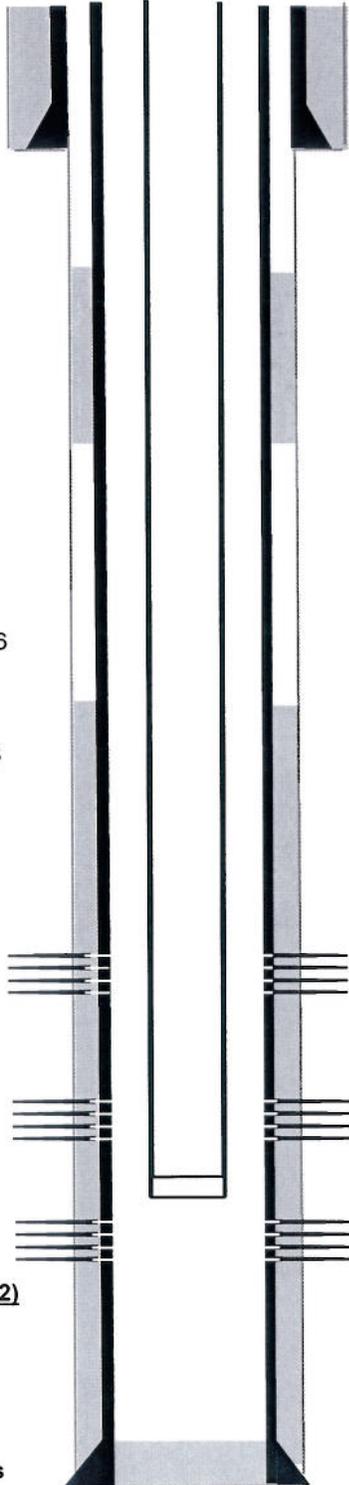
Set @ 6800' on 12-13-06  
 Drilled out on 12-14-06

### CFP

Set @ 7760' on 11-09-06  
 Drilled out on 12-14-06

### CFP

Set @ 7970'. 11-09-06  
 Drilled out on 12-14-06



### Surface Casing and Cement

8-5/8" , 24#, landed @ 713', cemented with 330 sxs

### Main Hole

7-7/8" to TD

### Production Casing and Cement

4-1/2" , 11.6#, landed @ 8460', cemented with 386 sxs

### DV Tool

Set @ 5446', cemented with 360 sxs

### Niobrara

Perf'd Niobrara from 7630' - 7650' @ 2 spf, 40 holes  
 Frac'd Niobrara with 238,000# 30/50 sand and 12,000# Super LC. (11-09-06)

Refrac'd 7630-7650 with 6132 bbls frac fluid and 147,340 # sand (4/26/12)

### Codell

Perf'd Codell from 7866' - 7886' @ 4 spf, 80 holes  
 Frac'd Codell with 238,000# 30/50 sand and 12,000# Super LC. (11-09-06)

Refrac'd 7866-7886 with 4790 bbls frac fluid and 124,760 # sand (4/26/12)

### J Sand

Perf'd J Sand from 8304' - 8324' @ 2 spf, 40 holes  
 Frac'd J Sand with 238,000# 20/40 sand and 12,000# Super LC. 11-09-06

### Production Tubing (5/4/12)

2-3/8" tubing, set @ 8300'

8428' — PBSD  
 8480' — Driller's TD