

WELLBORE DIAGRAM

Proposed Recompletion to Cutler

Surface Loc: 1142' FSL, 2051' FWL

Operator: CCI Paradox Upstream LLC

Well Name: HC Fed 31-13-45-14

Location: SESW Sec 30-T45N-R14W

Field: Hamilton Creek

County: San Miguel County, Colorado

API Number: 05-113-06224

Completion Date: 12-13-2006

First Sales: 12-14-2006

Log TopsCutler 1
Honaker Trail1851'
6992'

KB 6716'

GL 6691'

Well History

Spud Date 11-12-2006

TD Reached 11-29-2006

Rig Released 12-02-2006

Tubing Detail:Depth:

KB	17.00
271 jts 2-7/8" 6.5# L-80 tbg	8468.90
2.31 F-Nipple	0.97
1 jt 2-7/8" tbg	31.29
2.25 F-Nipple	0.97
Pup Joint	4.04
Re-entry guide	0.65
EOT	8523'

47 jts 9.625" 36# J-55 and K-55 ST&C
csg @ 2049'; cmt Lead-430 sx
G 50:50 Poz, Tail-200 sx G neat

Current EOT @ 8523'

CIBP set @ 7,030' w/ 2 sx

Proposed Cutler Perfs, 2/2014 (312 holes)

5592'-5618' 3 SPF, 120° phasing
Frac w/ 70Q N2 Foam, 70,000# 20/40

5857'-5869' 3 SPF, 120° phasing
5845'-5854' Frac w/ 70Q N2 Foam, 63,000# 20/40

5926'-5947' 3 SPF, 120° phasing
Frac w/ 70Q N2 Foam, 60,000# 20/40

6670'-6682' 4 SPF, 120° phasing
Frac w/ 70Q N2 Foam, 38,400# 20/40

6865'-6882' 3 SPF, 120° phasing
6830'-6836' Frac w/ 70Q N2 Foam, 69,000# 20/40

CBP

Set @ 6000'. 12-11-06
Drilled out on 12-11-06

LaSal Perfs shot 12-08-06 (98 holes)

8574'-8608' 3-1/8", 2 SPF, 120° phasing
8611'-8626' Frac'd w/SLB 54,000 gal WF 120 70Q foam, 8,162 of WF 120
and 139,000# of 20/40 Jordan-Unimin sand and 15,000# of Optiprop.
12-08-06

CBP

Set @ 8650'. 12-08-06
Drilled out on 12-12-06

Hovenweep Perfs shot 12-07-06 (72 holes)

8876'-8894' 3-1/8", 4 SPF, 120° phasing
Frac'd w/ SLB 33,500 gal WF 120 70Q foam,
8,457 gal of WF 120 and 66,000# of 20/40 Jordan-Unimin sand
and 15,000# of Optiprop. 12-08-06

CBP

Set @ 9000'. 12-07-06
Drilled out on 12-13-06

Ismay Perfs shot 12-07-06 (40 holes)

9220'-9230' 3-1/8", 4 SPF, 120° phasing
Frac'd w/SLB 32,000 gal WF 120 70Q foam,
8,792 gal WF120 and 5,000# 20/40 Jordan-Unimin sand
and 15,000# of Optiprop. 12-07-06

TD 9484'

219 jts 5.5" 17# P-110 and K-55 LT&C csg @ 9584'
Cmt w/1800 sx 50:50 POZ:G Tail