

CURRENT WELL SCHEMATIC

Well Name Doec Canyon 1 (DWD-1) Original Well Name DCU 19-40-17 #1
 Pilot API # 05-033-06078
 S/T API # : N/A
 Section 19 Township 40N Range 17W
 Surface Hole: 240' FNL, 240' FEL Section 19, T40N R17W NMPM Elevation 7264'

Spud Date: 11/1/1983
 Pilot Completion Date: 5/16/1984
 Re-entry Start Date: 8/13/2012
 Re-entry Completion Date: _____

Updated: 10/29/12 VC

Conductor Casing

Size 30 in
 Set at 59 ft

Conductor @ 59 ft

RBP Set @ 717 ft

Surface Casing

Size 10-3/4 in 7-5/8" Csg Patch @ 806 ft
 Set at 3807 ft
 Wt. 45.5 ppf Grade K-55 surface to 3807 ft
 Hole Size 14-3/4 in
 Est. T.O.C. surface ft

Csg Shoe @ 3807 ft

Production Casing

Size 7-5/8 in
 Wt. 26.4 ppf Grade K-55 from surface to 4168 ft
 Wt. 26.4 ppf Grade L-80 from 4168 to 5487 ft
 Wt. 29.7 ppf Grade L-80 from 5487 to 5968 ft
 Wt. 39 ppf Grade SS-95 from 5968 to 8051 ft
 Wt. 33 ppf Grade 13 CR from 8051 to 8479 ft
 Hole Size 9-1/2 in
 Est. T.O.C. 2800 ft

Pkr Set @ 7886 ft

Leadville Top @ 8091'

TD Date: 1/10/84
 PBTB @ 8326 ft

Csg Shoe @ 8479 ft

Acid Date: 1/18/84, 4/4/84
 Acidize perms w/ 20,000gal 15% HCl

Acid Date: 4/18/84
 Acid stimulate perms w/ 40,000gal 15% HCl
 and 40,000gal salt sat gel in 4 stages

Acid Date: 9/29/12
 Acidize sqzd perms w/ 5,000 gal 15% HCl

Acid Dates: 10/2/12, 10/3/12
 Acidize sqzs & open perms w/ 2,000 gal 18% HCl
 & 9,000 gal 28% HCl

Conductor Cement

cement with ready-mix to surface

Surface Cement

Date Cemented 11/13/1983
 Lead : 2680 sx Lite, 2% CaCl₂, 1/4#/sk flocele
 Tail : 300 sx Class B, 32% CaCl₂, 1/4#/sk flocele,
1% Halad-9
 Note : circ 40 bbls dehydrated cmt

Prod Cement

Date Cemented 12/6/1983
 Lead : 1215 sx Lite, 1/4#/sk flocele, 12.8% Salt
 Tail : 150 sx Class H, 0.6% HR4
disp w/ 388 bbl H₂O w/ Tretolite K700 & K490
 Note : no cmt to pits, ran temp survey TOC = 550'
CBL run 8/17/12 TOC = 2800'

Date Patch Cemented: 9/22/2012
 Lead: 435 sx 50/50/POZ, 2% CaCl₂, .1% CFR-3
 Note : circ to surface, rev circ 17.7 bbls

Sqz Date: 3/13/84
 Cmt sqz perf from 8100' to 8286' w/ 200 sx

Perf Dates: 3/14/84, 3/19/84, 4/16/84
7924 - 7925, 8065 - 8064
8100' - 8134', 8143' - 8146', 8158' - 8162'
8176' - 8188', 8212' - 8218', 8278' - 8286'
4 shots/ft with 292 total shots (3 times)

Sqz Date: 8/28/12
 Cmt sqz perms w/ 200 sx Class G

Perf Date: 9/30/12 & 10/3/12
8398' - 8474' & 8278' - 8333'

TD Date: 12/3/83
9-1/2" OH to 8482'

TD Date: 9/13/12
6-1/2" OH to 9500'

