

VERTICAL WELL SCHEMATIC

Well Name Doe Canyon 15 (DC-15)

Pilot API # 05-033-06176-00

S/T API # : N/A

Section 11 Township 40N

Range 18W

Surface Hole: 1069' FSL, 1610' FWL Section 11, T40N R18W NMPM Elevation 7227'

Spud Date: 7/23/2013

Pilot Completion Date: 8/27/2013

S/T Completion Date: N/A

Updated: 9/10/13 VC

Conductor Casing

Size 20 in

Set at 105 ft

Conductor @ 105 ft

Conductor Cement

cement with ready-mix to surface

Surface Casing

Size 9-5/8 in

Set at 2545 ft

Wt. 36 ppf Grade J-55 surface to 2545 ft

Hole Size 12-1/4 in

Est. T.O.C. surface ft

Csg Shoe @ 2545 ft

Surface Cement

Date Cemented: 7/28/2013

Lead : 800 sx Lite, 5# kol-seal, 1/8# poly-e-flake

Tail : 300 sx Class G, .1% Halad®-9, 1/8# poly-e-flake

Note : Circ 143bbls to pits, top out w/ 40 sx Class G

Production Casing

Size 7 in

Wt. 29 ppf

Grade 13 CR from surface to 5780 ft

Wt. 32 ppf

Grade 13 CR from 5780 to 8364 ft

Wt. 29 ppf

Grade 13 CR from 8364 to 8525 ft

Hole Size 8-3/4 in

Est. T.O.C. surface ft

Prod Cement

Date Cemented: 8/20/2013

Lead : 2000 sx Elastiseal™, .2% Versaset, .2% Halad-766
1.5% Chem-foamer 760

Tail : 300 sx Halcem, .2% Versaset, .2% Halad-766

Note : circ 115 bbls to pits, 100 sx Halcem cap cmt

Tubing Run Date: NA

Top of Leadville @ ~8494'

Csg Shoe @ 8525 ft

Pilot Cement

Date Cemented: 8/25/2013

TD Date: 8/27/13

Lead: 100 sx Class G, .4% HR-5, .2% CFR-3,

PBTD/KOP 8530'

1/8# poly-e-flake

Note: balanced plug

TD Date: 8/24/13

6" OH TD 8705'