

CURRENT WELL SCHEMATIC

Well Name Hovenweep HA-4

Pilot API # 05-083-06693-00

S/T API # : N/A

Section 29 Township 38N Range 18W

Surface Hole: 1508' FSL, 2521' FEL Section 29, T38N R18W NMPM Elevation 6708'

Spud Date: 8/8/2012

Pilot Completion Date: 9/19/2012

S/T Completion Date: N/A

Updated: BWS 10/1/12

Conductor Casing

Size 14 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 2844 ft

Wt. 36 ppf Grade K-55 surface to 2844 ft

Hole Size 12-1/4 in

Est. T.O.C. surface ft

Csg Shoe @ 2844 ft

Surface Cement

Date Cemented: 8/13/2012

Lead : 940 sx 12.4# HALCEM system, .1% Halad®-9,

1/8# Poly-E-Flake, 2.5# Kol-seal

Tail : 385 sx 15.6# HALCEM system, .1% Halad®-9,

1/8# Poly-E-Flake

Note : 98 sx top job to surface

Production Casing

Size 7 in

Wt. 29 ppf

Grade 13 CR from surface to 5877 ft

Wt. 32 ppf

Grade 13 CR from 5877 to 7809 ft

Wt. 29 ppf

Grade 13 CR from 7809 to 8206 ft

Hole Size 8-3/4 in

Est. T.O.C. surface ft

Prod Cement

Date Cemented: 9/4/2012

Lead: 1830 sxs HALSEAL system, .2% Versaset,

.15% Halad-766, 1.5% Chem-Foamer 760

Tail: 300 sx HALCEM system, .2% Versaset

.25% Halad-766

Note : 100 sx top job to surface

Tubing Run Date: NA

Top of Leadville @ ~8176'

Csg Shoe @ 8206 ft

TD Date: 9/8/2012

6" OH TD 8351'