

**CURRENT WELL SCHEMATIC**

Well Name Hovenweep HA-5

Pilot API # 05-083-06702-00

S/T API # : N/A

Section 29 Township 38N Range 18W

Surface Hole: 1610' FNL, 272' FEL Section 29, T38N R18W NMPM Elevation 6742'

Spud Date: 9/21/2013

Pilot Completion Date: 10/19/2013

S/T Completion Date: N/A

Updated: 10/29/13 VC

**Conductor Casing**

Size 14 in

Set at 105 ft

Conductor @ 105 ft

**Surface Casing**

Size 9-5/8 in

Set at 2873 ft

Wt. 36 ppf Grade J-55 surface to 2873 ft

Hole Size 12-1/4 in

Est. T.O.C. surface ft

Csg Shoe @ 2873 ft

**Production Casing**

Size 7 in

Wt. 29 ppf

Grade 13 CR from surface to 5960 ft

Wt. 32 ppf

Grade 13 CR from 5960 to 7859 ft

Wt. 29 ppf

Grade 13 CR from 7859 to 8218 ft

Hole Size 8-3/4 in

Est. T.O.C. 680 ft

Tubing Run Date: NA

**Conductor Cement**

cement with ready-mix to surface

**Surface Cement**

Date Cemented: 9/24/2013

Lead : 800 sx Lite, 1/8# Poly-E-Flake, .1% Halad®-9, 5# Kol-seal

Tail : 300 sx Class G, .1% Halad®-9, 1/8# Poly-E-Flake

Note : circ 70 bbls to pits, top out w/ 50 sx (1")

**Prod Cement**

Date Cemented: 10/12/2013

Lead: 1800 sx 50/50/POZ, .2% Halad 766, .2% Versaset, 1.5% Chem-Foamer 760

Tail: 300 sx 50/50/POZ, .2% Halad 766, .2% Versaset

Note : 100 sx top job to surface, circ 125 bbls to pits

Top of Leadville @ ~8194'

Csg Shoe @ 8218 ft

Acid Date: 10/19/13

Acidize OH w/ 10,000gal 28% HCl  
foamed w/ N2

TD Date: 10/15/13

6" OH TD @ 8320'