

**END OF WELL SCHEMATIC**

Well Name: Sand Canyon #11 (SC #11)  
Pilot API # : 05-083-06684-00  
S/T API # : 05-083-06684-01  
Section 8 Township 36N

Range 18W

Spud Date: 2/20/2007  
Pilot Completion Date: 3/24/2007  
S/T Completion Date: 4/7/2007

**Conductor Casing**

Size 14.0 in  
Set at 80 ft  
Wt. 50 ppf

**Surface Casing**

Size 9 5/8 in  
Set at 3253 ft  
Wt. 36 ppf  
Hole Size 12 1/4 in

Est. T.O.C. surface ft

Grade J-55

Csg Shoe @ 3253 ft

**Production Casing**

Size <u>7</u> in	
Wt. <u>29</u> ppf	Grade <u>CR 13</u> from <u>0</u> to <u>5738</u> ft
Wt. <u>32</u> ppf	Grade <u>CR 13</u> from <u>5738</u> to <u>7477</u> ft
Wt. <u>29</u> ppf	Grade <u>CR 13</u> from <u>7477</u> to <u>7716</u> ft
Hole Size <u>8 3/4</u> in	
Est. T.O.C. <u>surface</u> ft	

Csg Shoe @ 7697 ft  
PBTD/KOP @ 7706 ft

Top of Leadville 7663 ft (TVD)  
KOP 7706 ft (MD)  
Top of Production/EOC 7881 ft (MD)  
Lateral Hole TD 8709 ft (MD)

Base of Leadville not penetrated

Pilot Hole TVD = 7888'

Tree  
11" 10M x 7-1/16" Tree Adapter/Cap  
11" 5M x 11" 10M Casing Spool  
9-5/8" x 11" 3M Casing Head

**Conductor Cement** Date cmt'd: 2/28/2007  
cement with ready-mix to surface  
40 sxs cement to surface

**Surface Cement** Date cmt'd: 2/28/2007  
Lead : 880 sxs, 65/35/G/POZ, at 12.4 Lb/gal  
Yield 1.96  
Tail : 290 sxs, Class G at 15.6 lb/gal  
Yield 1.18  
Note : PLUS 30 sxs cmt cap  
displace 120 bbls to surface

**Prod Cement**

Date cmt'd: 3/17/2007  
Lead 1600 sxs 50/50/G/Poz at  
Tail : 305 sxs 50/50/G/Poz at  
Note : Displace with 279 bbls fresh water  
+ 100 sxs Class G cement cap  
Mud Wt. = 10.2 ppg @ TD

**Pilot Hole Cement**

Date cmt'd: 3/24/2007  
Lead : 85 sxs of Class "G" cement w/  
3% KCl + 0.3% HR-5 + 0.15% HR-25 @ 16.5 ppg  
Note : Displaced with 59 bbls fresh water

**4-3/4" Lateral TD @ 8709' MD/ 7790' TVD**

Pump 12,000 gallons of 50 Quality 20% HCL- Hallibur