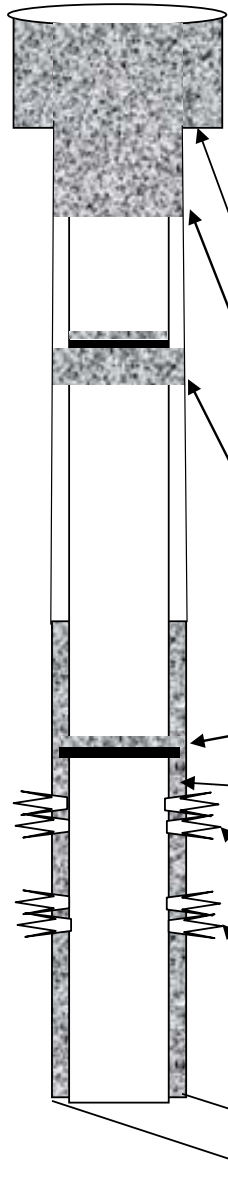




# Black Hills Plateau Production, LLC

A Black Hills Corporation Enterprise



General Well Info			
Well Name:	HSC #1-16	Field:	Shire Gulch
Diagram Date:	8/25/2009	County:	Mesa
Srf Location:	28-9S-97W	State:	Colorado
Lease #(COGCC/BLM):	C-13789	API #:	05-077-08650
GL Elev:	5203'	KB Elev:	5216'
Formation Tops			
Zone	Depth	Zone	Depth
Rollins	2666'	Frontier	
Cozzette	2893'	Dakota Silt	
Corcoran	3087'	Dakota Ss	
Mancos		Cedar Mtn	

**Srf Csg** 8-5/8" 24# set @ 457'  
**Cement** 325 sx Class G w/ 2% CaCl & 1/4#/sk Flocele

Shoot 4 circulating holes @ 508'  
 Cement 270 sx to surface

Shoot 4 circulation holes @ 1200'  
 Cement Retainer set @ 1100', string in and pump 45 sx of class "C" or type "III" cement. Additional 2 sks cement on top

**CIBP** set @ 2850' with 5 sks of cement on top.

**Prod Csg** 5-1/2" 15.5# J55 set @ 3332' TOC @ 1780'  
**Cement** Hifill w/ 3#/sk Capseal – ail w/ 120sx  
 50/50 Poz, 2% gel, 1/4#/sk Flocele, 10% salt – had good to fair lift of cmt

**Perfs** Cozette (12/22/92) 2893'-3020'  
**Frac** None

**Perfs** Corcoran (12/13/92) 3087'-3166'  
**Frac** N2 Foam Frac – 32,046 gal N2 foam, 176,000# 16/30 sd, 712,454 scf N2

**PBTD** 3287  
**TD** 3334