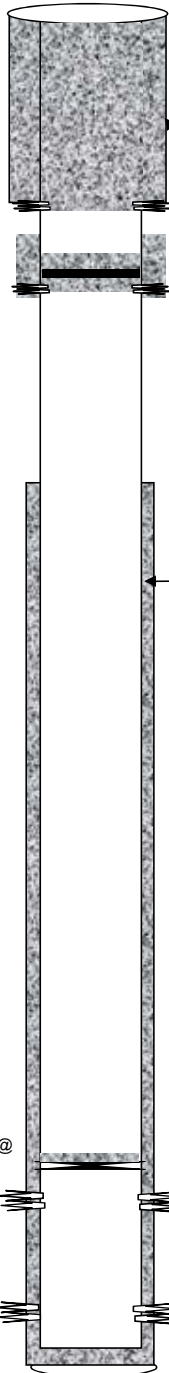




Black Hills Plateau Production, LLC

A Black Hills Corporation Enterprise



General Well Info		Updated: 3/11/15 jad	
Well Name:	HSC 4-20	Field:	Shire Gulch
Diagram Date:	9/24/2009	County:	Mesa
Srf Location:	NWNW 20 T9S R97W	State:	Colorado
Lease # (BLM):	COC012644	API #:	05-077-08646
GL Elev:	5361'	KB Elev:	5375'
Formation Tops			
Zone	Depth	Zone	Depth
Cameo	2407'	Sego	3164'
Rollins	2622'	Dakota Sand	
Cozzette	2826'	Cedar Mtn	
Corcoran	3024'	Morrison	

Srf Csg 8-5/8" 24# J55 ST&C @ 458'
Cmt 320sx Class G

Prod Csg 4-1/2" 11.6# K55 LT&C @ 3275'
Cmt 480 sx 50/50 Pozmix, perf 3016' squeeze w/200 sx class G

PROPOSED P&A

Set CIBP @ 2750'. Dump 2 sx cmt on top

Perf 4 circ holes @ 1200'. Set CR @ 1100'. Pump 45 sx Class "C" or Type "III" cmt. Dump 2 sx on top.

Perf 4 circ holes @ 478'. Pump 270 sx cmt, fill csg to surf.

Dig out wellhead, cut off 8 5/8" and 5 1/2" csg 6' below ground level. Install dry hole marker as per BLM and COGCC.

Reclaim location and file necessary sundries.

CIBP @
2750'

Cozzette (11/17/93) 2832'-2836', 2845'-2880'

Frac (9/14/93) 42,958 gal, 289,660# sand, 1,194,000 scf N2

Corcoran (11/13/92) 3049-3108' 33 holes

Frac'd (11/13/92) 112,990 gal foam, 234,000# 20/40 sd, 778,000 scf N2

TD 3277'
PBTD 3237'