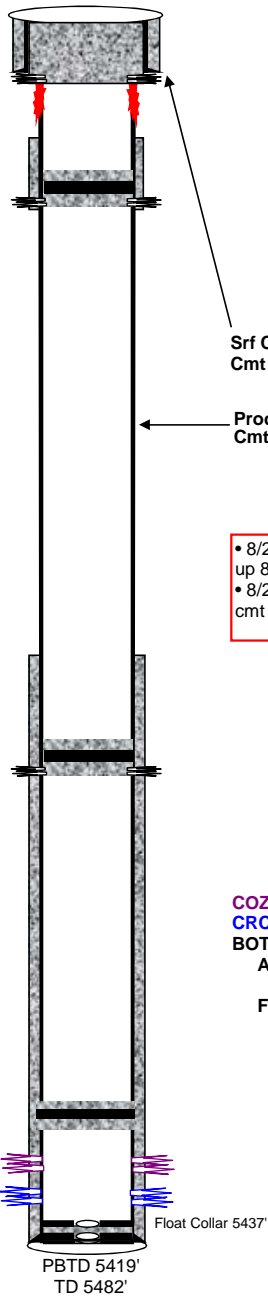




Black Hills Plateau Production, LLC

A Black Hills Corporation Enterprise



General Well Info

Well Name:	Walck 23-2	Field:	Plateau
Diagram Date:	3/29/2016 jad	County:	Mesa
Srf Location:	NWNW 23 10S 95W	State:	Colorado
Lease # (BLM):		API #:	05-077-08259
GL Elev:	7018'	RKB Elev:	7028'
Spud Date:	4/10/1980	Compl Date:	6/30/1980

Formation Tops

Zone	Depth	Zone	Depth
Cameo	2682'	Mancos	5462'
Rollins	4808'		
Cozzette	5181'		
Corcoran	5348'		

Srf Csg 8-5/8" 24# K55 ST&C @ 292'
Cmt 150sx Neat w/ 3% CaCl, circ to srf

Prod Csg 5-1/2" 15.5# K55 R3 ST&C @ 5480' (float @ 5437')
Cmt 250sx 50/50 Poz w/ 2% KCl, .03% NFL, float failed to hold, had full returns throughout
TOC @? (no CBL or info in Compl Rig Rpt)

- 8/24/05 Csg leaks found @ 352-430' – got permission from COGCC to braidenhead cmt down 5-1/2" and up 8-5/8" and try to sqz cmt into formation
- 8/25/05 pumped 93sx Portland Type I/II cmt down 5-1/2" and up 8-5/8" – good returns throughout job – cmt to srf

COZZ perfs (6/17/80) 5209, 5247, 5249, 5257 (1spf)

CRCN perfs (6/17/80) 5355, 5357, 5363, 5367, 5371, 5387, 5388 (1spf)

BOTH FORMATIONS TOGETHER:

Acid (6/18/80) 1000gal 7-1/2% HCl – dropped balls and got good action – 1st break 100-800# - 2nd break 1700-1200# - 3rd break 1350-880# - 4th break 3100-1600#

Frac (6/21/80) 80000# 20/40sd, 40T CO2

CP 320, max 1900, min 1600, avg 25 ISIP 800, 15min 650

Completed @ 10:30A – open well @ 12:30P – CP 400 TLWTR 1163bbl – rec'd 305blw by 7:30P (830bbl TLWTR)

Proposed P&A Procedure

1. RIH with CBL tool run tool from depth to at least 2000' and find TOC, if TOC is above 5100', then POH and proceed to step 3 if not then step 2.
2. RIH w/ CR set @ 5150, sting in and pump 45 sks of class "C" or type "III" cement. Sting out and dump 2 sks of cement on top. Proceed to step 4
3. RIH w/ WL set CIBP @ 5150, dump 4 sks cmt on top. Proceed to step 4
4. If TOC from CBL is above 2600', then proceed to step 8, if not step 5.
5. RIH w/ WL and shoot 4 circulating holes @ 2650', POH
6. RIH w/ CR on tbg and set @ 2600', POH
7. Sting into Retainer and pump 45 sks Class "C" or Type "III" cement below retainer. Sting out and dump 2 sks on top of CR. POH
8. RIH w/ CIBP set @ 2650 and dump 10 sks of cement on top
9. RIH w/ WL and shoot 4 circulating holes @ 1400, POH
10. RIH w/ CR on tbg and set @ 1350, POH
11. Sting into Retainer and pump 25 sks Class "C" or Type "III" cement below retainer. Sting out and dump 5 sks on top of CR. POH
12. RIH/WL and Shoot 4 circulating holes @ 385'. POH
13. TIH and Mix 345 sks of cement and bring to surface.
14. Dig out wellhead, cut off 8 5/8" Casing and 7" casing 6' below ground level. Install dry hole marker plate as per BLM and COGCC
15. Reclaim location and file necessary sundries.