



Black Hills Plateau Production, LLC
A Black Hills Corporation Enterprise

Winter Flats 1-16-99
NWSW Section 16 T9S R99W, 6PM
API # 05-077-08457
Mesa County, Colorado

Plugging and Abandonment Report

10/16/2017 - MIRU Ensign rig.

10/17/2017 - Held safety meeting. RIH w/ 4-1/2" CIBP, set @ 6450', dumped 5 sks Class G cmt top plug. PT to 400# for 15 min. (good test). Ran CBL from 6300' to 1500'. TOC @ 5400'. RIH w/ 4 spf gun shooting perf holes @ 4850'. RIH w/ tbg and set 4-1/2" CICR @ 4737'. Installed TIW valve w/ secondary valves shutting both. Shut and locked out pipe rams. Winterized equipment. Secured location SDFD.

10/18/2017 - Mixed 12 bbls water and 60 sks Class G cement equaling 15.8 ppg slurry. Pumped 40 sks Class G cement achieving lock up stung out of retainer. Pumped 20 sks cmt on top of retainer. RIH w/ 4 spf gun shooting perf holes @ 2893'. RIH w/ 4-1/2" CICR and set @ 2809'. SI well and locked out pipe rams. Winterized equipment. Secured location SDFD.

10/19/2017 - Pumped 150 sks of class G cmt @ 2893'. No circulation. TOO H w/ tubing. RIH w/ 4 spf gun shooting perf holes @ 1740'. RIH w/ 4-1/2" CIRC and set @ 1672'. Pumped 166 sks Class G cmt achieved circulation out of intermediate csg of condensate and water, no cmt returns. No pressure and no cmt return on casing. TOO H w/ tubing. Decision made, along with BLM representative (Alexander Provstgaard), to run CBL to determine cmt top the next day. SI well and locked out pipe rams. Secured location SDFD

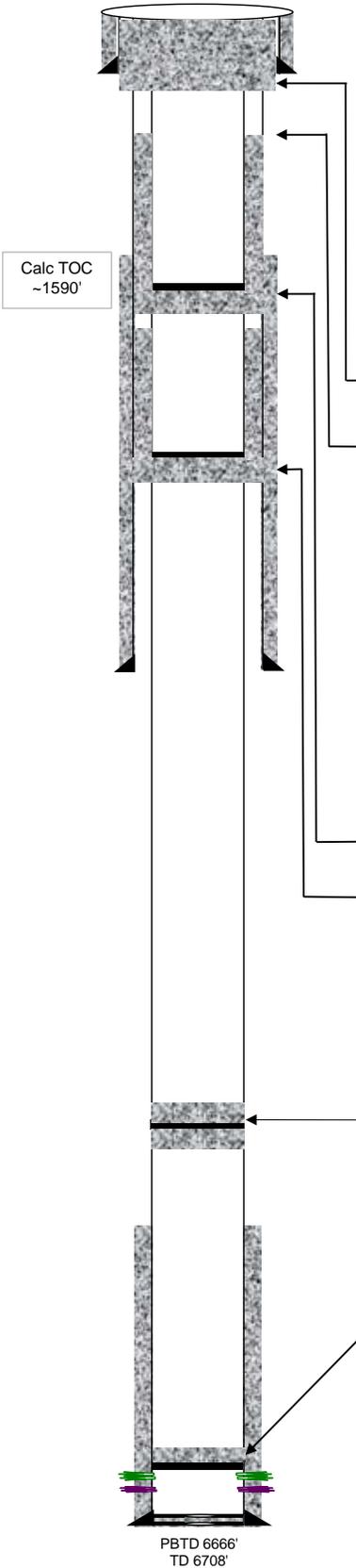
10/20/2017 - Ran CBL from 1520' to surface. TOC @ 620'. RIH w/ 4 spf guns shooting perf holes @ 356'. Pump 70 sks Class G cmt. Cmt returns on intermediate. Hook onto surface valve. Pump 155 sks Class G cmt to surface in casing. RD, ND BOP / NU WH. SDFD.

10/21/2017 - Cut off WH. Installed dry hole maker.

Note: No COGCC representative attended to witness plugging.
Alexander Provstgaard, BLM representative, was on location to witness.



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General Well Info		Updated: 10/24/2017	
Well Name:	Winter Flats 1-16-99	Field:	Bronco Flats
Srf Location:	SWNE 16 9S 99W 6PM	County:	Mesa
Lease #_(BLM):	C-12649-A	State:	Colorado
API #:	05-077-08457	Spud Date:	1/19/1982
GL Elev:	6055'	TD Date:	2/16/1982
KB Elev:	6070'	Compl Date:	4/27/1982
		Plug Date:	10/20/2017
Formation Tops			
Zone	Depth	Zone	Depth
ROLLINS	1770'	CEDAR MTN	6558'
COZZETTE	1921'	MORRISON	6637'
CORCORAN	2152'		
MANCOS	4752'		
DAKOTA	6432'		

RIH w/ WL and shot 4 holes @ 356'. Pumped 70 sks cement. Returns on intermediated. Hooked onto surface valve. Pumped 155 sks cmt to surface.

Ran CBL from 1520' to surface. TOC @ 620'

Surface casing (1/20/82):

10 3/4" (7jts) 40.5# K55 ST&C set @ 306' (14 3/4" hole)
 300 sks Reg 3% CaCl - good circ
 TOC @ surface

Intermediate casing (1/29/82):

7" (75jts) 23# K55 ST&C set @ 2838', FC 2824' (8 3/4" hole)
 150 sks Reg 2% CaCl
 TOC @ ~1590' (Calc)

Production casing (2/15/82):

4 1/2" (163jts) 10.5# K55 ST&C set @ 6708', FC 6666' (6 1/4" hole)
 150 sks Class H, 1/4 # Celloflake, 1/2% NFR
 TOC @ 5424' (per CBL 04/14/1982)

RIH w/ WL shot 4 holes @ 1740'. Set retainer @ 1672'. Pumped 166 sks cmt though holes @ 1740'.

RIH w/ WL shot 4 holes @ 2893'. Set retainer at 2809'. Pumped 80 sks though holes @ 2893'.

RIH w/ WL shot 4 holes @ 4850'. 4-1/2" CICR set @ 4737'. Pumped 40 sks Class G cmt achieving lock up sung out. Pumped 20 sks on top of CICR. TOOH and PT casing @ 500 psi for 5 min (good test).

TOC 5400'.
 Varified by CBL (10/17/2017)

CIBP set @ 6440'. Pressure tested csg @ 400 psi for 15 minutes. Dump at 5 sks of cement on top

DKTA (4/16/82) 6493, 6495, 6509, 6524, 6526, 6542, 6544' (1spf, 7 holes)
CDMTN (4/16/82) 6562, 6564, 6566, 6568, 6570, 6572, 6629, 6631' (1spf, 8 holes)

- ◆ (4/17/82) Acidize DK/CM w/1800gal 7 1/2% acid & bs - form brk dn @2500psi & 1.1bpm, very little ball action
 MP 4100, AP 3550, MR 6.1bpm, AR 4.2bpm
 ISIP 1500, 15min 600
- ◆ (4/27/82) Frac DK/CM w/142,500# 20/40m, 600scf/bbl CO2 & 86850gal Versagel
 MP 4220, AP 3800, MR 30.4bpm, AR 30bpm
 ISIP 2650, 15min 1750

PBTD 6666'
 TD 6708'