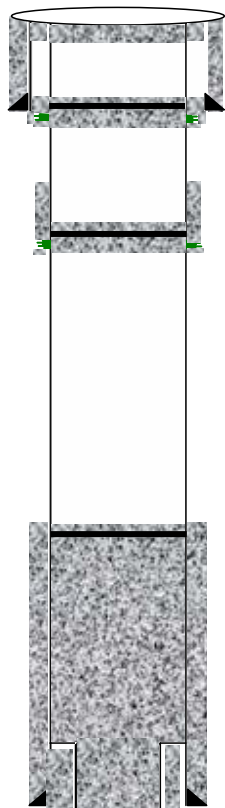




Black Hills Plateau Production, LLC

A Black Hills Corporation Enterprise



General Well Info		Diagram Date: 7/15/2008 hll	
Well Name:	Winter Flats 1-10-99	Field:	Bronco Flats
Srf Location:	NWSW 10 9S 99W 6PM	County:	Mesa
Lease # _(BLM) :	C-12651-A	State:	Colorado
API #:	05-077-08455	Spud Date:	12/7/1981
GL Elev:	6177'	TD Date:	2/17/1982
KB Elev:	6187'	Compl Date:	5/10/1982
Formation Tops			
Zone	Depth	Zone	Depth
Cameo	1992'	Mancos	2820'
Rollins	2172'	Dakota Silt	6804'
Cozzette	2328'	Dakota SS	6834'
Corcoran	2542'	Cedar Mtn	6930'
Sego	2686'	Morrison	7024'

Surface casing: (12/07/81)

10 3/4" (7jts) 40.5# K55 ST&C set @ 322' (14 3/4" hole)
355sx Reg w/ 1/4# Flocele & 3% CaCl
TOC @ srf

Intermediate casing: (12/20/81)

7" (84jts) 23.0# ST&C R2&3 set @ 3205' (8 3/4" hole)
150sx Reg 3% CaCl – good circ throughout job
TOC @ ~1958' (calc 150sx * 1.25cu ft/sk * 6.652 ft/cu ft)

Production casing: (2/17/82)

4 1/2" (94jts) 11.6# K55 R-3 LT&C set @ 7118', TOL 2959', FC @ 7073' (6 1/4" hole)
150sx Reg w/ 1/4# Flocele – bumped plug w/ 1500#, good circ throughout job
TOC @ 5964' (per CBL 4/29/82)

TOC @ ~1958'
(calc 150sx * 1.25cu ft/sk *
6.652 ft/cu ft)

TOL @ 2959'

ACTUAL 8/20/08

- Set 4 1/2" CIBP @ 6790' - dump bail 2sx cmt on top of plug
- Set cement retainer 2055', pump 275sx class G below retainer, dump 10sx class G cmt on top of retainer
- Perforate 4 circulating holes @1050-1054'.
- Set cement retainer @ 977', pump 100sx cmt below retainer, dump 10sx cmt on top of retainer.
- Perforate 4 circulating holes @378-382'.
- Set cement retainer @ 325', pump 45sx cmt below retainer, dump 10sx cmt on top of retainer.
- Set 15 sk plug at surface inside 7" casing (@64' - 2 3/8" tubing).
- 15 sk plug in 7" x 10 3/4" casing annulus (@60' - 1" pipe).
- Dug out wellhead. Cut off 10 3/4" & 7" csg 4' below ground level. Installed dry hole marker plate as per BLM.

DKTA (05/04/82) 6857, 6859, 6864, 6868, 6870, 6872, 6874, 6905, 6907, 6910, 6912' (1spf, 11holes)

CDMTN (05/04/82) 6939, 6941, 6946, 6948 (1spf, 4 holes)

Acid BD (05/05/82) 1500gal 7 1/2% acid & 20 ballsealers, fm broke @ 3300psi & 2.8bpm
MR 5.1bpm, MP 5250psi, AR 3.6bpm, AR 3600psi
ISIP 2250, 15min 1420

Frac (5/10/82) 166,000# 20/40sd, 600cf CO2/bbl, 90,000gal Versagel

Perfs 6857-6948' MR 18.4bpm. MP 4780psi, AR 16bpm, AP 4700psi
ISIP 2290psi, 15min 2060psi

CDMTN (04/30/82) 6994, 6996, 6998, 7000, 7002, 7004' (1spf, 6 holes)

Acid BD (04/30/82) 1000gal 7 1/2% acid & 10 ballsealers, fm broke @ 3000psi
MR 4.5bpm, MP 4000psi - balled off @ 5000psi

TOC @ 5964'
(per CBL)

Fish @ 6366-6920' - (cut DP - left 2 1/2jts DP, 1 set of drlg jars, 16-4 3/4" DC, 1-6 1/4" bit in hole)
400' cmt plug f/ 5966-6366'
KO'd @ 6256' - sidetrack to 7120'

CIBP @ 6985' w/ 2sx cmt (5/4/82)
Fill @ 6960' (10/3/00)

PBTD 7073'
TD 7120'