

BLACK HILLS PLATEAU PRODUCTION LLC

Horseshoe Canyon #1-16

SWSW 28 9S 97W

API # 05-077-08650

C-13789

Mesa County, Colorado

Spud:11/26/92 TD:12/4/92 Completion:12/22/92

Horizontal Leg - Spud:10/11/00

GL: 5203' RKB: 5216' PBTD: 3287' TD: 3334'

Surface casing: 8-5/8" 24# K55 ST&C set @ 457' 325sks Class G w/ 2% CaCl & 1/4#/sk Flocele

TOC surface

Production casing: 5-1/2" 15.5# J55 set @ 3332' 60sks Hifill w/ 3#/sk Capseal – ail w/ 120sks 50/50 Poz, 2% gel, 1/4#/sk Flocele, 10% salt – had good to fair lift of cmt throughout job

TOC @1780'

Perforations: Corcoran (12/13/92) 3087'-3166'
Cozette (12/22/92) 2893'-3020'

Frac: N2 Foam Frac – 32,046 gal N2 foam, 176,000# 16/30 sd, 712,454 scf N2

Production tubing: 2 3/8" EOT @4021'

History:

- 4/4/96 Add 1 jt tbg to land @ 3145'
- 8/20/97 Hole survey – hit soft plug @3130'
- 10/1/97 clean out (tbg plugged). Cleaned from 3103'- 3265'
- 10/2/97 Swab for 3 hours – blowing to tank
- 10/1/2000 Plug back for drilling laterals
- 10/31/2000 MIRU workover rig to directional drill three 500'-1000' horizontal laterals in the Corcoran formation. While attempting to kick off, twisted off and left bottom part of mud motor and bit in the hole. Set 1/2 bbl cmt. Attempt second kick off through window at 2978'-2988'. Drilling @3098' w/ steering tool. Survey showed direction had turned 60 degrees and dropped 2 degrees. Impossible to hit target @ 90 degrees. RU and attempt to recover whipstock. Set bridge plug @2974'. RIH w/ # 2 whipstock. Could not hold direction. Open hole 2967-4162.
- 1/29/02 RU wireline and set tbg stop @3100'. Ran a no go to 3200' before it stopped falling before set stop.
- 5/14/03 TOOH w/ 700' tbg found down hole tbg stop locked in tbg collar.
- 7/20/2006 Jetted to 3139'. Recovered 12-14 bbls H2O

Objective: Plug and Abandon w/ MIT

NOTIFY COGCC & BLM (Verbal Approval for P&A procedure is required from the BLM)

Notify landowner 7 days and COGCC and BLM 48 hrs prior to moving in

1. Set and test deadman anchors as necessary.
2. MIRU workover rig. ND WH. NU BOP's.
3. TOOH with tubing.
4. TIH w/ CIBP. Set @ 2850 and pressure test csg to 400 psi. Use digital recorder if available. Dump at 5 sks of cement on top
5. RIH w/ WL and shoot 4 circulating holes @ 1200', POH
6. RIH w/ CR set @ 1100, sting in and pump 45 sks of class "C" or type "III" cement. Sting out and dump 2 sks of cement on top.
7. RIH/WL and Shoot 4 circulating holes @ 508'. POH
8. TIH and Mix 270 sks of cement and bring to surface.
9. Dig out wellhead, cut off 8 5/8" Casing and 5 1/2" casing 6" below ground level. Install dry hole marker plate as per BLM and COGCC
10. Schedule an onsite to develop reclamation plan to submit along with NOI sundry for final reclamation.