



Camenish-Supreme Camp 05-03B

P&A Procedure

Engineer: Ben Zapp, PE (303.241.1273)

01 March 2017

API:	05-123-26637
Qtr/Qtr:	SWNW
Section:	3
Township:	4N
Range:	66W
Footages:	2130 FNL & 1802 FWL
County:	Weld
State:	CO

KB Elevation:	4694'
GL Elevation:	4684'
TD:	7470' KB
PBTD:	7423' KB

Water Well (ft):	100
Fox Hills (ft):	313
Sfc Casing (ft):	428
Shoe Plug (ft):	613

WELL DATA:

Surface Csg:	8.625" 24# J-55 @ 428' KB
Surface Cmt:	330 sx
Long St Csg:	4.5" 11.6# @ 7464' KB
Long St Cmt:	695sx
Long St Date:	5/6/2008
PDTD (Sand or CIBP):	FILL
Perforation Interval (1):	Niobrara Perforations: 6971-7101' KB
Perforation Interval (2):	Codell Perforations: 7284-7294' KB
Perforation Interval (3):	
Tubing:	2.375" 4.7# J-55 @ 7270' KB
Rods:	
Pump:	
Misc.:	

STATUS:

COMMENTS:

Procedure:

- 1) MIRU workover rig, pump, and tank.
- 2) Blow down well and roll hole with fresh water, if possible.
- 3) ND WH, NU BOP.
- 4) POOH and LD tbg.
- 5) RIH w/ CIBP and set @ 6921'.
- 6) Dump bail 2 sx of Class G Neat cement on top of CIBP.
- 7) Load hole with fluid and pressure test CIBP to 1000 psi with rig pumps. Hold for 15 minutes. Test will be considered successful if lose less than 100 psi. If test is unsuccessful, contact engineer.
- 8) RIH w/ 1' perforating gun and shoot 4-6 spf @ 2500'.
- 9) RIH w/ CICR and set @ 2400' (100' above perforations).

10) Load annulus between production casing and workstring. Test to 500 psi for 15 minutes. Test is considered successful if lose less than 50 psi. If pressure test fails, contact engineer.

11) Establish injection rate.

12) Pump 10 bbls Mud Flush (or similar spacer) followed by 210 sx of cement.

Length (ft)	OD (in)	ID (in)	ft ³ /ft	Volume (ft ³)	Yield (ft ³ /sk)	Cement (sk)	Nearest 5sk
500	10.000	4.500	0.435	217	1.150	189	190
100	4.000	0.000	0.087	9	1.150	8	10
2 bbl on top of CICR				11	1.150	10	10
						TOTAL:	210

13) Displace cement with 7 bbls fresh water.

Tubing ID	Length (ft)	Disp. Factor (BBL/ft)	Disp (BBL)	Disp -2BBL
1.995	2400	0.00387	9	7

14) Unsting from CICR.

15) Place remaining 2 bbls of cement on top of CICR. Allow to fall on CICR as pulling out.

16) POOH w/ workstring.

17) RIH w/ WL and cut production casing at 613'.

18) Circulate a MINIMUM of 2 bottoms up volumes (86 bbls) or until well is free of oil, gas, or any large cuttings.

Length (ft)	OD (in)	ID (in)	BBL/ft	Disp (BBL)	2x Disp (BBL)
413	8.067	4.500	0.0435	18	36
200	10.000	4.500	0.0775	15	31
				TOTAL:	67

Length (ft)	OD (in)	ID (in)	BBL/ft	Disp (BBL)	2x Disp (BBL)
613	4.000	0.000	0.0155	10	19
				TOTAL:	19

19) Perform flow check for 5 minutes to ensure well is static and record current fluid weight in WellView.

20) Unland production casing.

21) POOH and LD production casing filling pipe every 6 joints.

22) RIH w/ workstring to 663'.

23) Establish circulation.

24) Pump 10 bbls Mud Flush (or similar spacer) followed by 230 sx of cement as a balanced plug. TOC should be at surface.

Length (ft)	OD (in)	ID (in)	ft ³ /ft	Volume (ft ³)	Yield (ft ³ /sk)	Cement (sk)	Nearest 5sk
50	4.000	0.000	0.087	4	1.209	4	5
185	10.000	0.000	0.545	101	1.209	83	85
15	12.250	0.000	0.818	12	1.209	10	15
413	8.097	0.000	0.358	148	1.209	122	125
						TOTAL:	230

25) POOH w/ workstring. Top off cement if needed. Cement needs to be ~10' from surface.

26) ND BOP. Top off cement as needed.

27) RDMO.

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