Camenish-UPRR 06-03

P&A Procedure

Engineer: Ben Zapp, PE (303.241.1273)

01 March 2017

API:	05-123-20231	KB Elevation:	4691'
Qtr/Qtr:	SENW	GL Elevation:	4679'
Section:	3	TD:	7365' KB
Township:	4N	PBTD:	7323' KB
Range:	66W		
Footages:	2103 FNL & 1839 FWL	Water Well (ft):	100
County:	Weld	Fox Hills (ft):	308
State:	CO	Sfc Casing (ft):	403
		Shoe Plug (ft):	**603**

WELL DATA:

Surface Csg:	8.625" 24# @ 403' KB
Surface Cmt:	280 sx
Long St Csg:	4.5" 11.6# N-80 @ 7360' KB
Long St Cmt:	665 sx
Long St Date:	2/22/2001
PDTD (Sand or CIBP):	FILL
Perforation Interval (1):	Codell Perforations: 7232-7246' KB
Perforation Interval (2):	
Perforation Interval (3):	
Tubing:	2.375" 4.7# J-55 @ 7207' 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/ hydromechanical CIBP on workstring and set @ 7182'.
6) Dump bail 40sx 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'.

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 603'.
18) Circulate a MINIMUM of 2 bottoms up volumes (66 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)
403	8.097	4.500	0.0440	18	35
0	12.250	4.500	0.1261	0	0
200	10.000	4.500	0.0775	15	31
				TOTAL:	**66**

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 653'.
23) Establish circulation.
24) Pump 10 bbls Mud Flush (or similar spacer) followed by 220 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
200	10.000	0.000	0.545	109	1.209	90	95
403	8.097	0.000	0.358	144	1.209	119	120
						TOTAL:	**220**

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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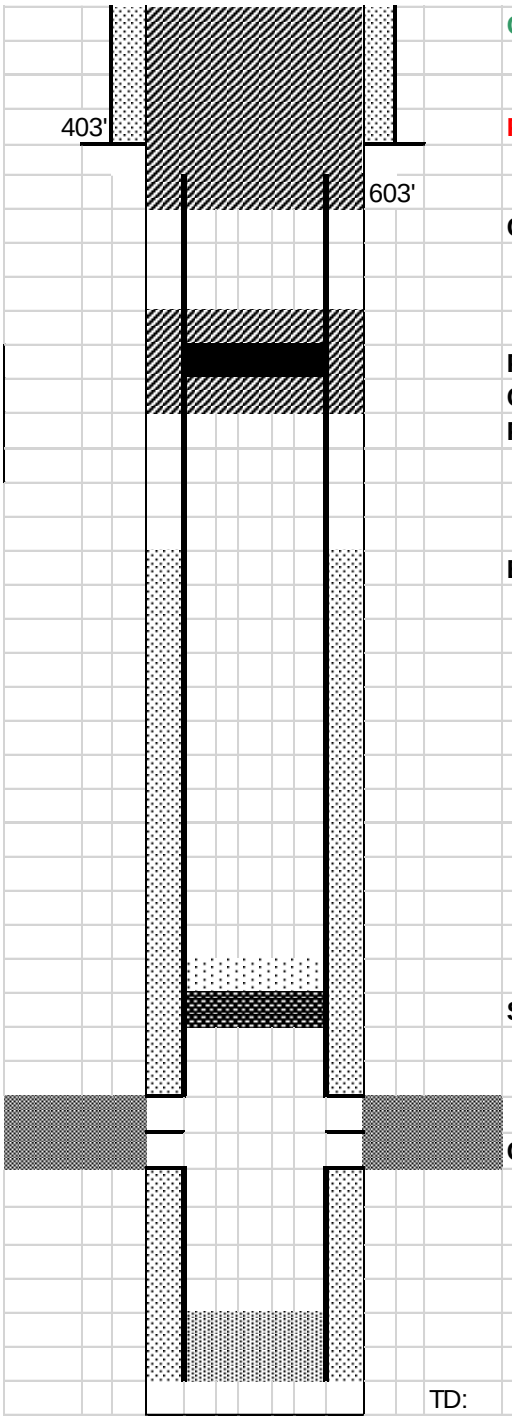

Cut surface casing off 6'-8' below surface.

Pump approx 220 sx shoe plug @ 653'

Will bring cement to surface.

Cut and pull csg @ 603'

Perf @ 2500'

CICR @ 2400'

Pump 210sxs Class "G" Neat

Existing TOC @ 3834'

Set CIBP @ 7182' w/ 40 sx cement on top

Codell Perforations: 7232-7246' KB