

## **P&A Procedure for Figure Four Ranch 499-13-22**

13-4S-99W Rio Blanco County, Colo.

9 5/8" @ 2,077' TOC at Surface

5 1/2" 17# @ 10,290' TOC 3,600' (CBL)

Tubing: 2 3/8" 4.7# unknown set depth

Perfs: 6,052'-8,546'

MIRU

NDWH, NUBOP

POH with tubing to check

RIH with a bit to top of the perfs

POH, and RIH with CICR to 5,985' above the perfs

Pressure test tubing, establish a rate.

Squeeze 300 sxs of cement below CICR (2,600' in 5 1/2")

Sting out of CICR and spot 10 on top

Roll hole with produced water

Pressure test casing, if it fails call for orders

POH

Cut and pull casing from 50' below the base of surface

RIH to the stub

Spot 80 sxs of cement

POH and WOC

Tag cement, it should be 50' above the shoe

Add cement if necessary

POH, NDBOP

RIH to 100' and Circulate cement to surface, Cut off the wellhead

Top off cement in annulus if necessary

Weld a plate with well information, RDMO

All cement is 15.8# class G neat with a 1.15 cuft/sack yield

Well Name: Figure Four Ranch 499-13-22

API #: 05103109690000

Location: Sec. 13 – 4S – 99W

KB: 8,370' (32' AGL)

GL: 8,342'

County/St: Rio Blanco, CO

Created By: M. Bale

Date: 2/23/2012

### Current Wellbore

DV Tool @ 720

14-3/4" Hole  
9-5/8" csg set @ 2,077'  
Cemented w/ Stage 1: 636 sx. Stage 2:  
542 sx and topped out with 400 sx to  
surface.

Tubing Detail:

Cannot find tbg detail. Most likely 2-3/8", appears  
to have plunger lift installed. Landing depth is  
unknown.

TOC @ 3,600' (CBL)

DV tool @ 5,995'

Stage #7 Perfs: (Not clear if this  
stage was actually perf'd. No frac  
record. Plug was set @ 6,380')  
(Williams Fork)  
6,052' – 6,359'

Stage #6 Perfs: (Williams Fork)  
6,439' – 6,632'

Stage #5 Perfs: (Williams Fork)  
6,717' – 6,924'

Stage #4 Perfs: (Rollins)  
7,110' – 7,337'

Stage #3 Perfs: (Cozzette)  
7,381' – 7,572'

Stage #2 Perfs: (Corcoran)  
7,622 – 7,848'

Stage #1 Perfs: (Sego)  
8,534' -8,546'

PBTD: 9,601'  
TD: 10,297'

8-3/4" Hole  
5-1/2", 17#, N-80 set @ 10,290'.  
Stage 1: 602 sx  
Stage 2: 313 sx

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### Proposed Wellbore

