

Jorritsma #8 Re-Enter to Re-Plug Procedure
API: 05-075-07110

Emergency Information:

LAT/LONG: 40.943795 N, 103.231407 W

Logan County Sherrieff: 970-522-2578
Denver Flight for Life: 1-800-332-3123

Hold pre-job safety meetings every morning before starting any operations. These meetings should address daily activities. Hold Safety Meetings with all third-party contractors upon arrival to location and with all personnel on location prior to commencement of any third-party activities. Ensure all applicable PPE is available, in proper working order, and used as required per client and OSHA designations.

Well History

The Jorritsma #8 was plugged and abandoned in the J Sand, this operation is to drill out surface and surface casing shoe plugs, RIH and tag the casing stub at +/- 4,400' then re-plug the well.

WELL INFORMATION

API #	05-075-07110
SHL (LAT/LONG)	40.943795N, 103.231407W
GL/KB	4,570'/4,578'

PIPE DATA

<u>PIPE</u>	<u>OD</u>	<u>ID</u>	<u>DRIFT</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>
SURF	9.625"	Unknown	Unknown	25.4	Unknown	215'
PROD	5.500"	4.950"	4.825"	15.5	J55	4,400' – 5,428'
TBG	NA					

Prep Work Prior to Rig Up

1. Visually inspect location and access roads to location, schedule any remediation activities as needed. Test/Install anchors as needed.
2. Re-contour location as necessary to a size large enough for workover rig and ancillary equipment.
3. Cut off and clean up casing stub, weld on 9-5/8" casing to extend surface casing to ground level.
4. Weld on new 9-5/8" 11" 5,000 psi casing head.

Workover Operations

Note: Call with questions or decisions that are not clearly laid out in this procedure.

1. MIRU WOR. Retain all service company tickets and keep in the well file for reference or submission of final paperwork to appropriate agencies.

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2. NU BOPs, pressure test high/low to 2,000 psi/250 psi for 10 minutes.
3. MIRU snubbing equipment.
4. PU 8.75" drilling tools and TIH.
5. Establish circulation and drill out surface plug +/-0' to 20'.
6. RIH to surface casing shoe plug, tag up and circulate bottoms up. Drill up surface casing shoe plug +/- 195' – 225'. WATCH PITS FOR GAIN/GAS CUT WHEN CIRCULATING BOTTOMS UP AFTER DRILLING SURFACE SHOE PLUG.
7. TIH to 5.5" casing stub at +/-4,400', work any tight spots and break circulation every 1,000', circulate 2x bottoms up after tagging casing stub.
8. POOH and LD drilling tools, RD and release snubbing equipment if wellbore conditions allow.
9. MIRU cement equipment.
10. RIH open ended to 5.5" casing stub at +/-4,400', mix and pump 200' (75 sk) of 15.8 ppg Class A balanced plug just above casing stub.
11. WOC 4 hours, RIH and tag plug. POOH laying down tubing to 1,375'. With this lowest plug in place, RD and release snubbing equipment if wellbore conditions allow.
12. Mix and pump 200' (75 sk) of 15.8 ppg Class A balanced plug 1,175' – 1,375'.
13. POOH laying down tubing to 665'.
14. Mix and pump 200' (75 sk) of 15.8 ppg Class A balanced plug 465' – 665'.
15. POOH laying down tubing to 300'.
16. Mix and pump 300' (120 sk) of 15.8 ppg Class A balanced plug 0' - 300'.
17. RD workover rig and ancillary equipment.
18. Cut off wellhead, weld on P&A marker.
19. Move out workover rig.