

Rudnik 32-27

API # 05-121-08462

Wesco Operating Inc.

Plug and Abandon

Location: SW NE, Sec.27, T3S, R51W, Washington County, Colorado

Elevations: GL = 4625' KB = 4634'

Depths: TD = 4079' PBTD = 4039'

Tubular & Equipment:

Surface Casing: 8 5/8", 24 lb/ft, J-55, set at 135'

Production Casing: 5 1/2" 14-15.5 lb/ft, J-55, set at 4080'

Tubing: 122 jts 2 7/8" J-55

Current Producing Formation: NA

Current Status: Shut In

Proposed Status: Plugged and Abandoned

Recommendations:

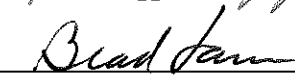
A COGCC inspection was conducted on the Rudnik 32-27. A plug or produce order was issued by the COGCC due to this inspection. At this time, it is recommended to plug the 32-27 well as follows:

Procedure:

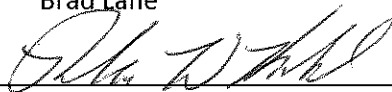
- 1) Check rig anchors and arrange for 10 jts of 2 7/8" tubing to be delivered to location to tag bottom.
- 2) MIRU the service rig and equipment. Blow down the tubing and casing. ND the wellhead and flowline.
- 3) MIRU the spooler. TOOH tallying the 2 7/8" J-55 tbg (122 jts, 6' pup jt, ESP). LD the ESP and send it in for inspection.
- 4) MIRU the hydrotester, PU and test the 2 7/8" tubing in hole to 6000 psi with 4 3/4" bit and scraper sized for 5 1/2", 14# casing on 2 7/8" tbg. TIH to PBTD of 4039' KB. RDMO hydrotester. TOOH and LD bit and scraper. NU the BOP (dressed for 2 7/8" tubing).
- 5) PU and TIH with 5 1/2", 14# CICR on 2 7/8" tbg. Set the CICR at ~3920'.
- 6) Release off CICR. MIRU cement crew, hold safety meeting to discuss job. Sting into CICR and pump 30 sxs of cement into perms with 1000 psi max pressure, sting out and leave 12 sxs of cement on top of CICR. Lay down 7 jts of 2 7/8" tubing and reverse circulate 1 1/2 times tubing volume.
- 7) TOOH laying down the 2 7/8" tbg to 2800' KB. Continue TOOH standing back the remaining tubing.
- 8) MIRU wireline. PU a squeeze gun (1' - 4 spf). RIH and perf @ 2919' (~100' above the calculated cement top). POOH. RDMO wireline.
- 9) PU and TIH with 5 1/2", 14# CICR on 2 7/8" tbg. Set the CICR at ~2850 KB'.
- 10) Release off CICR. MIRU cement crew, hold safety meeting to discuss job. Sting into CICR and pump 26 sxs of cement under the CICR with 1000 psi max pressure, sting out and leave 6 sxs of cement on top of CICR. Lay down 4 jts of 2 7/8" tubing and reverse circulate 1 1/2 times tubing volume.
- 11) Finish TOOH laying down all of the 2 7/8" tubing.
- 12) PU 150' of 1" poly pipe. Pump cement through the 1" until seeing cement to surface (should have cement to surface after 18 sxs). LD the 150' of 1" pipe. Circulate surface lines clean. (have sugar on location in case cement gets into the flat tank)
- 13) RDMO cementing equipment. RDMO well service unit, cut off well head 4 ft below grade, and weld on legal plate. If cement has fallen more than 20 ft mix and fill casing with ready mix.
- 14) Reclaim location, tear down facility.

Prepared: 
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Date: 3-8-2016

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Date: 3-8-16

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Date: 3/23/16