

## BRYANT 34-30A

- 1 Provide 48 hour notice of MIRU to Mike Hickey (970.302.1024) via email at [mike.hickey@state.co.us](mailto:mike.hickey@state.co.us)
- 2 Prepare location for base beam rig to move onto. MI 137 joints of 2-3/8" N-80 working string.
- 3 MIRU WO rig. Kill well, as necessary using water w/ biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down. (NOTE: Place cementers on "will call" when moving rig on location.)
- 4 Reciprocate tubing to break any possible sand bridges. Do not exceed safety tensile load of 24,400 lbs.
- 5 TOO H with 1-1/4" tbg. LD. Send to A&W yard for EMI testing.
- 6 MIRU Cable, Inc. PU and RIH with gauge ring to last tag at 8040' (2.347" drift in 2.378" 6.5# tubulars). POOH with gauge ring.
- 7 RIH with gyro to 7900' making stops ever 100'. POOH. RDMO Cable, Inc.
- 8 MIRU J-W wireline. PU and RIH with CIBP for 2.875" 6.5# N-80 liner. Set CICR at 7900'. Dump 2 sx of cement on top of CIBP. Make multiple runs of necessary.
- 9 ND BOP's and tubing head. Unland 4-1/2" 11.6# K-55 casing from slips and work casing. Stack out and relax casing to find neutral point and weight of free casing. PU on casing and measure stretch to calculate free pipe. If less than 4010' that CBL indicates cut above that point.
- 10 TIH with jet cutter and cut casing at 3910' KB. RDMO J-W wireline.
- 11 PU casing. Circulate wellbore with 385 bbl of water or until all gas out of system. TOO H and LD 4-1/2" casing. If unable to pull casing contact engineer/COGCC for plugging modifications.
- 12 TIH w/ 2-3/8" N-80 working string to 4307 inside casing and tag liner top. PU and pump 6 bbl of used drilling mud. PUH to 3960'.
- 13 Mix and pump 50 sx (Class G neat, 20% excess) balanced plug across casing stub to 3810 ft. Pump 10 bbl cement. 14 bbl water displacement. PUH 10 joints to ~ 3645' KB. Circulate 350 bbl water or until no cement in returns.
- 14 TOO H with working string. SI WOC, 4 hours. TIH with working string. Tag plug (Note depth of tag in OpenWells). If TOC not at 3810' (100' above casing stub), re-pump cement.
- 15 PU from stub plug and pump 340 bbl of used drilling mud.
- 16 PUH w/ 2-3/8" N-80 working string to 750.
- 17 Mix and pump 125 sx (Class G neat, 20% excess) balanced plug across surface casing shoe to 500 ft. Pump 26 bbl cement. 1 bbl water displacement.
- 18 TOO H with working string. SI WOC, 4 hours. TIH with working string. Tag plug (Note depth of tag in OpenWells). If TOC not at 500' (100' above surface casing shoe), re-pump cement.
- 19 PUH with working string to 100'.
- 20 Mix and pump 50 sx Class G neat cement with 2% CaCl (~ 10 bbls) to surface. TOO H.
- 21 RDMO WO rig.

- 22 Dig down and cut off surface casing head and surface casing at least 5' below ground level. If cement did not make it to surface, use 4500 psi compressive strength redi-mix cement to fill remaining casing to surface
- 23 Weld steel plate across top of surface casing cut off
- 24 Cover steel plate and backfill hole with native material removed
- 25 Properly abandon flowlines per Rule 1103.
- 26 Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.

## REMARKS

Call Foreman and/or Field Coordinator before rig up to remove any production equipment.

## PIPE SPECS

2.875" 6.5# J-55 Casing = 0.579 BBL/100' ID=2.441" Drift=2.347"

Collapse=15,280 psi; Burst=14,970 psi

2.375" 4.7# N-80 Working String = 0.387 BBL/100' ID=1.995" Drift=1.901"

Collapse=8,100 psi; Burst=7,700 psi

1.660" 2.33# J-55 IJ TBG = 0.185 BBL/100' ID=1.380" Drift=1.286"

Collapse=8,490 psi; Burst=8,120 psi