

## UPRC 29-5J

- Provide 48 hour notice of MIRU to COGCC (Randy Edelen (970) 520-2531)
- 1 Prepare location for base beam rig to move onto.
  - 2 Call Foreman and/or Field Coordinator before rig up to remove all production equipment off wellhead.
  - 3 MIRU WO rig, pump, & tank. Kill w/ fresh water with biocide as needed. ND wellhead. NU BOP's. Unseat landing joint and lay down.
  - 4 Place cementers on "will call" when rig moves onto location. Baker Hughes cementing services (Sheldon Kelley: (303) 659-5853).
  - 5 PU and TIH 1-1/4" tubing. Circulate sand off CIBP set at 6,980'. PUH to have EOT just above CIBP @ 6,980'.
  - 6 Pump 400' of cement on top of CIBP. Pump job as follows: after establishing circulation with fresh water, pump 2.5 bbl (9 sks) class G 15.8# + 35% Silica Flour, 0.2% R-3, displace to 6,580' KB (12 bbl fresh water)
  - 7 TOOH to 6,480' (100' above calculated TOC, approximately 16 jnts), standing back jnts. Circulate with minimum 9# mud w/ biocide, enough volume to fill 2-7/8" casing from 6,580' to surface (approximately 38 bbl) and TOOH with workstring, standing back. (DO NOT LEAVE TUBING IN HOLE OVERNIGHT)
  - 8 Unseat casing from slips and work casing free
  - 9 MIRU E-Line Service Company
  - 10 RIH with CIBP (For 2-7/8", 6.5#, J-55 casing) and set CIBP at 4,250' (Do not set in a collar)
  - 11 Dump bail 2 sks cement on top of CIBP.
  - 12 RIH with jet cutter (For 2-7/8", 6.5 lbs, L-80 casing) to cut csg at 4,000 ft KB (40' above casing patch at 4,040' KB). If unable to pull casing after first cut, cut again with jet cutter 100' above first cut. If still unable to pull casing following second cut, call engineering for plugging modifications.
  - 13 POOH. RDMO E-Line service company.
  - 14 TOOH 2-7/8" casing and LD. If unable to pull casing contact engineering for plugging modifications.
  - 15 MIRU cementing services.
  - 16 TIH with 1-1/4" working string to 4,050' (10' below casing patch at 4,040'). Attempt to establish circulation with drilling mud.
  - 17 Pump cement job to cover casing stub (volumes in hole section are based on caliper log dated 6/20/92 + 25% excess). Pump job as follows: establish circulation with minimum 9# mud w/ biocide, pump 10 bbl (48 sks) Class G 15.8 lbs cement w/ 0.25 pps Cello Flake, displace to 100' above casing stub (7 bbls based on csg being cut at 4,000' KB)
  - 18 POOH 200' (approximately 7 jnts) so EOT is 50' above cement plug. Circulate down tubing and up annulus with minimum 9# mud w/ biocide, sufficient volume to have clean returns (Tubing volume is 7 bbl if EOT is at 3,850 KB). If unable to establish circulation, continue pumping down at minimum 2 times tubing capacity (14 bbl if EOT is at 3,850' KB)

- 19 WOC for 4 hours (DO NOT LEAVE TUBING IN HOLE OVERNIGHT, if SDFN, TOO H w/ 1-1/4" tbg, standing back).
- 20 TIH 1-1/4" to tag top of cement (Cement must be minimum 50 ft above where casing was cut). If inadequate cement coverage, call engineering for plugging modifications.
- 21 TOO H with 1-1/4" working string to have end of tubing at 760' KB (100' below Surface casing shoe). Pump cement plug from 760' KB to Surface to cover Surface casing shoe and set top plug (Surface casing set at 660' KB). Pump job as follows: establish circulation with minimum 9# mud w/ biocide, pump 53 bbl (258 sks) class G 15.8# cmt w/ 2% CaCl, cement should come to surface. (volumes in hole section are based on caliper log dated 6/20/92 + 40% excess).
- 22 RDMO cementing service company. TOO H with workstring and LD.
- 23 RDMO WO rig
- 24 POST RIG ACTIVITIES
- 25 Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to the APC engineer who wrote the prog. (NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to the APC engineer who wrote the prog.)
- 26 Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
- 27 Check top of cement inside 8-5/8" surface casing. If cement is not of sufficient height (less than 25' below ground level), place redi-mix cementer on will call.
- 28 Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing at least 5' below ground level.
- 29 Have welder cut off 8-5/8" surface casing at least 5' below ground level.
- 30 If needed, MIRU ready cement mixer. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) to finish filling surface casing to top of cut off.
- 31 Have welder weld on steel marker plate. (Note: marker shall be labeled with well name and number, legal location (qtr, qtr description) and API number.
- 32 Properly abandon flowlines as per Rule 1103.
- 33 Have excavation contractor back fill hole with native material. Clean up location and have leveled to plant any vegetation required.
- 34 Submit Form 6 to COGCC. Provide "As Plugged" wellbore diagram identifying the specific plugging completed.