

## PLUG AND ABANDONMENT PROCEDURE

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LULU XX08-14D

- | Step | Description of Work   |
|------|---|
| 1    | Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.).                               |
| 2    | Prepare location for base beam equipped rig. Install perimeter fence as needed.   |
| 3    | Check and report surface casing pressure. If surface casing is not accessible at ground level, re-plumb so valve is at ground level.                            |
| 4    | MIRU service unit. NU BOP on surface casing head. PU and TIH 2 3/8" tbg WS open ended to PBSD @ 1041'. Hydro -test tbg to 3000 psi.                             |
| 5    | RU cementers. Pump a balanced Plug from 1041' to surface: 270 sx Type III cement mixed at 14.8 ppg and 1.33 cf/sx (359 cuft of slurry).                         |
| 6    | LD work string. RDMO service unit.  |
| 7    | Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job. |
| 8    | Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.  |
| 9    | Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.  |
| 10   | Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.  |
| 11   | Welder cut casing minimum 5' below ground level.  |
| 12   | Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).   |
| 13   | Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.                              |
| 14   | Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.   |
| 15   | Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.  |
| 16   | Back fill hole with fill. Clean location, level.  |
| 17   | Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.   |