

Field: Hackberry Hills
Well: Hackberry Hills Unit #1
Engineer: Jeff Hall
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Slickline and Acid Procedure

Note: Well has history of scale buildup in bottom of tubing. Wireline work in 2/67 found scale below the J seating nipple @ 9612' and a workover in 4/70 found bottom joint of tubing plugged with scale. No records of wireline work in well since the workover in 4/70.

- 1) MI & RU slickline unit.
- 2) Due to possible scale buildup, SLOWLY RIH w/1-25/32" gauge to J seating nipple @ 9612' (1.781" ID). Recommend RIH @ 100 feet/minute. Stop and pick up every 500' to check drag. If get excessive drag, POOH and proceed with Step 6. Note and record fluid level and SITP on daily report.
- 3) RIH w/1-3/4" impression block & tag up on the pinned collar @ 9623'. If cannot get past the J SN @ 9612', RIH w/1-5/8" impression block and tag up on pinned collar @ 9623'.
- 4) If cannot get down in Step 2 or 3, then run a 1-1/2" impression block to 9623'. If cannot get to bottom, RU 1" tool string and run 1-1/4" impression block to 9623'.
- 5) RIH w/sample bailer to top of restricted tubing; work bailer several times to attempt to get a sample for analysis.
- 6) Depending on size of tools able to get down with, RIH w/broach with an OD \pm 0.125" (1/8") larger than the scale restriction in the tubing. Chip scale from tubing w/broaches. Flow well periodically to remove loose scale. Run larger broaches until clean out the tubing to full ID down to the J SN @ 9612'. Below J SN, broach out the tubing to 1.78" ID. If able to recover any samples of the scale, save the samples for possible analysis.
- 7) RU 1.668" OD Kinley Explosive Jars. RIH to pinned collar @ 9623'. Activate jars and knock pin out the end of the tubing.
- 8) RIH w/1-3/4" impression block to bottom (PSTD @ 9667'). If cannot get down, RIH w/1-5/8" impression block to bottom.
- 9) If tag up above the PSTD @ 9667', RIH w/bailer and bail on fill in casing. Save a sample for analysis. If fill covers some perforations, make several bailer runs to determine if fill is solid or if it is a bridge. Contact the Breaux Bridge office to determine how long to bail.
- 10) Flow well to remove loose scale.