

San Juan 27-5 Unit #145

Dakota

800' FNL and 800' FEL

Unit A, Section 35, T27N, R05W

Latitude / Longitude: 36° 32.0682' / 107° 19.2472'

DPNO: 4405901

Tubing Repair Procedure

Project Summary: The San Juan 27-5 Unit #145 was drilled in 1972. The tubing has not been pulled since originally installed. We propose to pull the tubing, check for fill, replace the 1-1/2" tubing with 2-3/8" tubing, install production equipment and add a plunger lift.

1. Hold safety meeting. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
2. MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water if necessary. NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
3. The Dakota tubing is 1-1/2", 2.9#, A, 10 rd set at 7835'. Release donut, pick up additional joints of tubing and tag bottom (record depth.) PBTD should be at +/- 7890'. A wireline check on 8/13/98 ran a gauge ring and a 1-1/4" blind box to 7813' and could not exit the tubing. TOOH laying down tubing and inspect the same for scale. Notify operations engineer of findings.
4. PU new or yellow banded 2-3/8", 4.7#, J-55, EUE tubing. If fill covers any perforations then TIH with 3-7/8" bit and a watermelon mill on 2-3/8" tubing to PBTD, cleaning out with air/mist. PU above the perforations and flow the well naturally, making short trips for clean up when necessary. TOOH with tubing. **NOTE: When using air/mist, minimum mist rate is 12 bph.**
5. TIH with one joint of 2-3/8" tubing with an expendable check on bottom and a seating nipple one joint off bottom. Run a broach on sandline to insure that the tubing is clear. Land tubing at approximately 7835'. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure that expendable check has pumped off. If well will not flow on it's own, make swab run to SN. RD and MOL. Return well to production.
6. Production operations will install the plunger lift.

Recommended: Tim Friesenhahn 5-12-99
Operations Engineer

Approved: Bruce D. Boyer 5-21-99
Drilling Superintendent

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