

WORKOVER PROCEDURE

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|---------------------------|---|----------|--------------------------------|---------------|-------|---------------|--------------|
| WELL NAME: | SANDAU 21-1516 | | DATE: | 4/21/2014 | | | |
| LOCATION: | | | | | | | |
| Qtr/Qtr: | SW/SE | Section: | 21 | Township: | 4N | Range: | 66W |
| Footages: | 658' | FSL | & | 1974' | FEL | | |
| COUNTY: | WELD | | STATE: | CO | | API #: | 05-123-18093 |
| ENGINEER: | JONATHAN POMERANTZ | | 7 Day Notice Sent: | | | | |
| | (Please notify Engineer of any major changes prior to work) | | Do not start operations until: | | | | |
| | | | Notice Expires: | | | | |
| OBJECTIVE: | P&A | | | | | | |
| WELL DATA: | | | | | | | |
| Surface Csg: | 8 5/8" 23# @ 489' | | | KB Elevation: | 4756' | | |
| Surface Cmt: | 315 sx | | | GL Elevation: | 4744' | | |
| Long St Csg: | 3 1/2" 7.7# @ 7414' | | | TD: | 7411' | | |
| Long St Cmt: | 190 sx + 475 sx | | | PBTD: | 6633' | | |
| Long St Date: | 3/12/1994 | | | | | | |
| Plug Back (Sand or CIBP): | Temporary Bridge Plug @ 6653' w/ Sand Plug up to 6633' | | | | | | |
| Perforation Interval (1): | Niobrara Perforations 6959' - 7047' | | | | | | |
| Perforation Interval (2): | Codell Perforations 7249' - 7264' | | | | | | |
| Perforation Interval (3): | | | | | | | |
| Tubing: | | | | Rods: | | | |
| Pump: | | | | | | | |
| Misc.: | Sand Plug from 6710' - 7340' | | | | | | |
| PRODUCTION STATUS: | | | | | | | |
| COMMENTS: | | | | | | | |

PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) RIH w/ workstring and retrieving head. Tag sand plug @ approx 6633'.
- 3) Wash down to retrievable bridge plug @ 6653' and latch on. POOH w/ retrievable bridge plug and workstring.
- 4) RIH w/ workstring. Tag sand plug @ approx 6710'. Wash down to 6950'. POOH w/ workstring.
- 5) RU WL. RIH w/CIBP. Set CIBP @ 6909', dump bail 2 sx of cement on top.
- 6) RIH w/ workstring to 4500'. Pump 40 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 3560'.
- 7) Unland casing. Cut casing off @ 2500'. POOH with casing laying down on trailer.
- 8) RIH w/ workstring to pump 100 sx stub plug where csg was pulled. If maintain circulation, do not need to tag plug.
- 9) POOH w/workstring to 600'. Pump approx 200 sx shoe plug. Cement to surface.
- 10) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 11) Cut surface casing off 6'-8' below ground.
- 12) Clean up location. Reclaim location. RDMO.