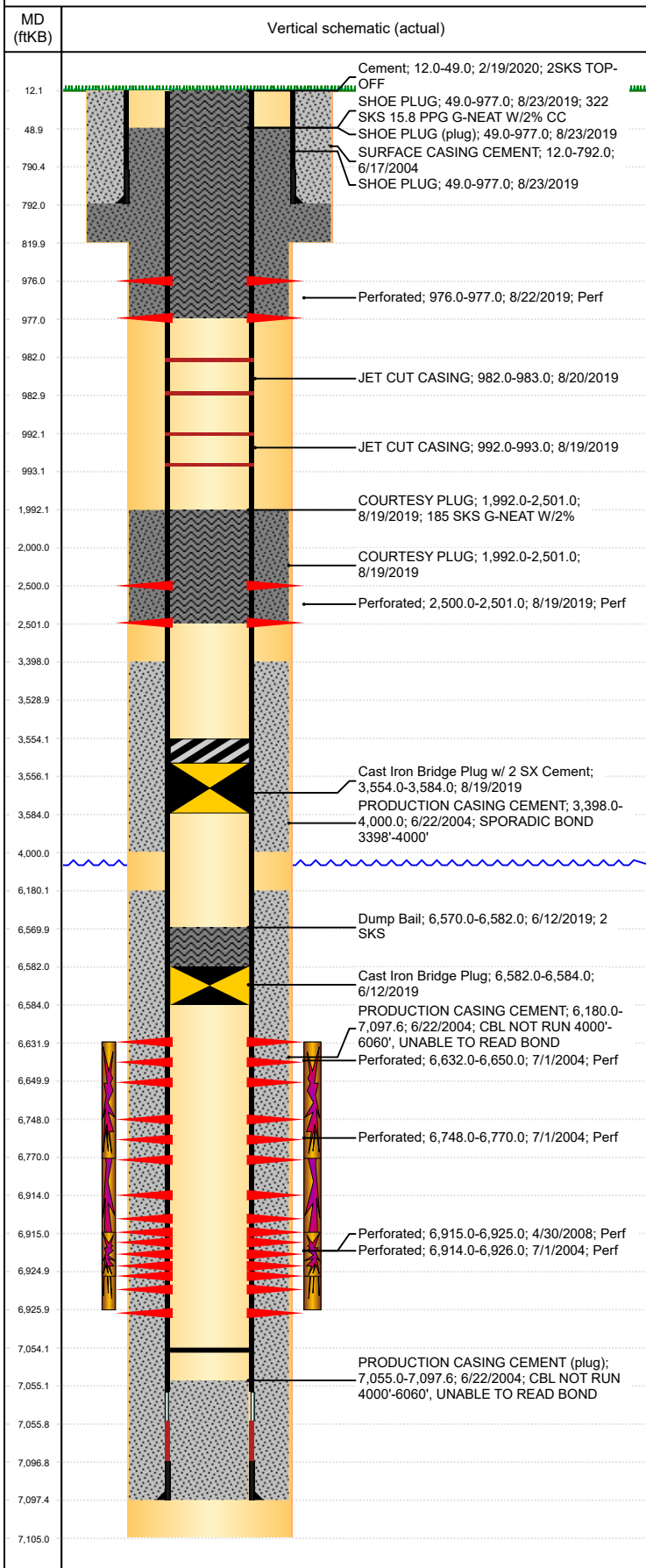


Well Name: GRUEN 22-33

VERTICAL, ORIGINAL HOLE, 7/23/2020 10:28:13 AM



| Well Header | | | | | | | | | |
|---|-------------|--------------------------------------|-------------|-------------------------|-----------------------------------|------------------------------|------------------------------------|--------------------|---------------------------------------|
| API 05-123-22023 | | Business Unit DJ BASIN | | | District 15 | | Well Config VERTICAL | | |
| KB - GL / MSL (ft... 12.00 | | Spud Date 6/15/2004 | | P & A Date 2/19/2020 | | Well Production Status PA | | | SoRT Yes |
| Comment SFC CSG DEPTH DISCREPANCY: DRILLER'S RPT 792', ST COMP RPT 792', DEPTH CHANGED TO 803' AFTER ST COMP RPT WAS SUBMITTED, REASON UNKNOWN | | | | | | | | | |
| Surface Location (Congressional) | | | | | | | | | |
| Qtr 3 SW | Qtr 4 SW | Section 22 | Twnshp 6 | Twnsh... N | Range 64 | Rng E/... W | Actual Latitude (°) 40.46621200 | | Actual Longitude (°) -104.54335400 |
| Wellbore Sections | | | | | | | | | |
| Section Des | | | Size (in) | | | Act Top, MD (ftKB) | | Act Btm, MD (ftKB) | |
| SURFACE | | | 12 1/4 | | | 12 | | 820 | |
| PRODUCTION | | | 7 7/8 | | | 820 | | 7,105 | |
| Casing Strings | | | | | | | | | |
| Csg Des | | | Run Date | | OD (in) | Wt/Len (lb/ft) | Grade | Top, MD (ftKB) | MD (ftKB) |
| Surface | | | 6/17/2004 | | 8 5/8 | 24.00 | J-55 | 12.0 | 792.0 |
| Production | | | 6/22/2004 | | 4 1/2 | 11.60 | M-80 | 12.0 | 7,097.6 |
| Cement | | | | | | | | | |
| Des | | | | | Start Date | | Top (ftKB) | | Btm (ftKB) |
| SURFACE CASING CEMENT | | | | | 6/17/2004 | | 12.0 | | 792.0 |
| PRODUCTION CASING CEMENT | | | | | 6/22/2004 | | 3,398.0 | | 4,000.0 |
| PRODUCTION CASING CEMENT | | | | | 6/22/2004 | | 6,180.0 | | 7,097.6 |
| Dump Bail | | | | | 6/12/2019 | | 6,570.0 | | 6,582.0 |
| COURTESY PLUG | | | | | 8/19/2019 | | 1,992.0 | | 2,501.0 |
| COURTESY PLUG | | | | | 8/19/2019 | | 1,992.0 | | 2,501.0 |
| SHOE PLUG | | | | | 8/23/2019 | | 12.0 | | 977.0 |
| SHOE PLUG | | | | | 8/23/2019 | | 49.0 | | 977.0 |
| | | | | | 2/19/2020 | | 12.0 | | 49.0 |
| Zone Statuses | | | | | | | | | |
| Zone Name | | Status Date | Status | Fluid Type | Job | | | Prod Method | |
| CODELL | | 9/29/2010 | PR | Gas | RE-FRAC, 8/24/2010 06:00 | | | | |
| CODELL | | 6/12/2019 | P&A | | PLUG AND ABANDON, 6/11/2019 06:00 | | | | |
| NIOBRARA | | 9/29/2010 | PR | | RE-FRAC, 8/24/2010 06:00 | | | | |
| NIOBRARA | | 6/12/2019 | P&A | | PLUG AND ABANDON, 6/11/2019 06:00 | | | | |
| Perforation Data | | | | | | | | | |
| Linked Zone | | | Bnch/Stg | Entered Shot Total | Top (ftKB) | | Btm (ftKB) | | Date |
| NIOBRARA, ORIGINAL HOLE NIOBRARA, ORIGINAL HOLE CODELL, ORIGINAL HOLE CODELL, ORIGINAL HOLE | | | A | 6 | 976.00 | | 977.00 | | 8/22/2019 |
| | | | | 6 | 2,500.00 | | 2,501.00 | | 8/19/2019 |
| | | | B | 72 | 6,632.00 | | 6,650.00 | | 7/1/2004 |
| | | | | 88 | 6,748.00 | | 6,770.00 | | 7/1/2004 |
| | | | | 48 | 6,914.00 | | 6,926.00 | | 7/1/2004 |
| | | | | 40 | 6,915.00 | | 6,925.00 | | 4/30/2008 |
| Stimulation Intervals | | | | | | | | | |
| Zone | | | | Start Date | | Top (ftKB) | | Btm (ftKB) | |
| NIOBRARA, ORIGINAL HOLE | | | | 9/13/2010 | | 6,632.0 | | 6,770.0 | |
| NIOBRARA-CODELL, ORIGINAL HOLE | | | | 7/9/2004 | | 6,632.0 | | 6,926.0 | |
| HOLE | | | | | | | | | |
| CODELL, ORIGINAL HOLE | | | | 5/14/2008 | | 6,915.0 | | 6,925.0 | |
| Other In Hole | | | | | | | | | |
| Run Date | | Des | | | Make | | OD (in) | Top (ftKB) | Btm (ftKB) |
| 6/12/2019 | | Cast Iron Bridge Plug | | | | | 4 | 6,582.0 | 6,584.0 |
| 8/19/2019 | | Cast Iron Bridge Plug w/ 2 SX Cement | | | | | 4 | 3,554.0 | 3,584.0 |
| 8/19/2019 | | JET CUT CASING | | | | | 4 1/2 | 992.0 | 993.0 |
| 8/20/2019 | | JET CUT CASING | | | | | 4 1/2 | 982.0 | 983.0 |
| Logs | | | | | | | | | |
| Date | | Type | | | | Top, MD (ftKB) | | Btm, MD (ftKB) | |
| 6/21/2004 | | COMPENSATED DENSITY | | | | 3,000.0 | | 7,099.0 | |
| 6/21/2004 | | INDUCTION | | | | 803.0 | | 7,099.0 | |
| 6/28/2004 | | CBL/CCL/GR | | | | 3,000.0 | | 7,040.0 | |
| 9/28/2015 | | GYRO | | | | 12.0 | | 6,800.0 | |
| 8/20/2019 | | RADIAL CEMENT | | | | 12.0 | | 983.0 | |

Well Name: GRUEN 22-33

VERTICAL, ORIGINAL HOLE, 7/23/2020 10:28:13 AM

Plug Back Total Depths

