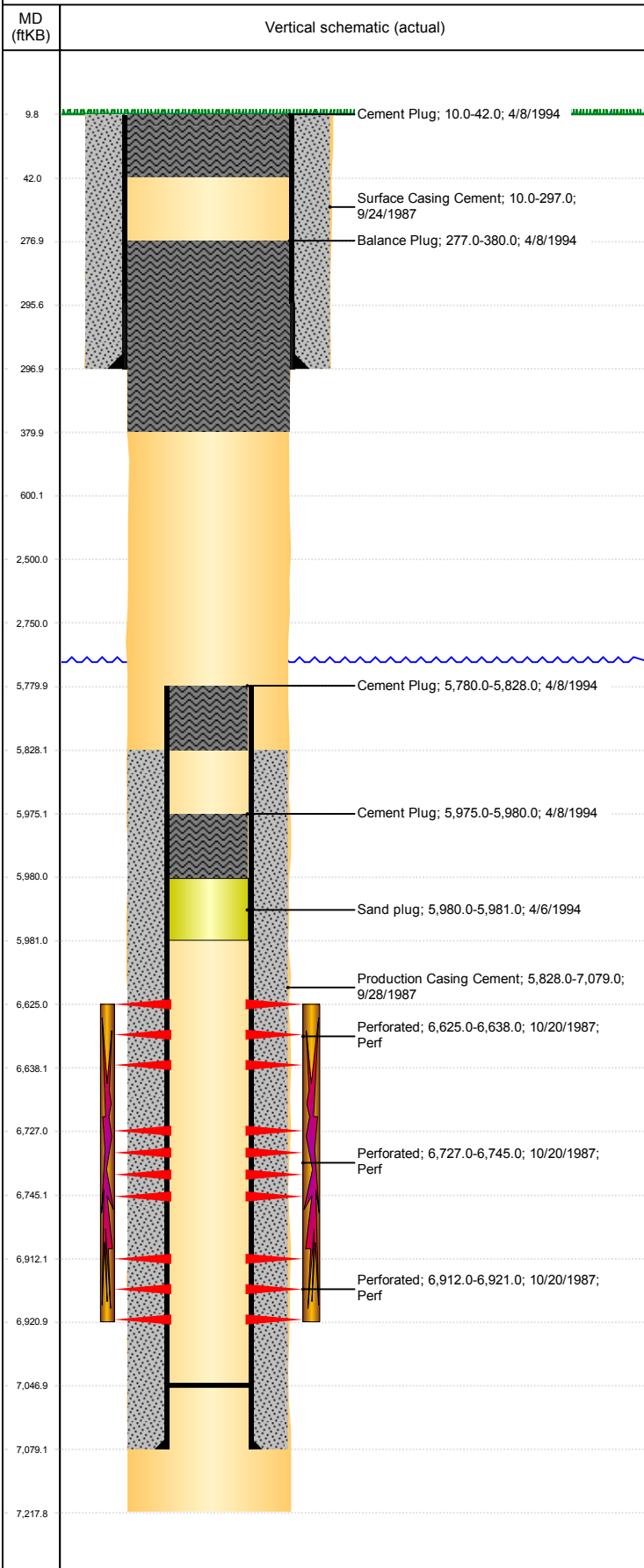


Well Name: HOWARD 04-27

VERTICAL, ORIGINAL HOLE, 11/27/2018 2:23:37 PM



| Well Header | | | | | | | | | |
|----------------------------------|-------------|---------------------------|-------------|------------------------|----------------|------------------------------|------------------------------------|-------------------------------------|-------------|
| API 05-123-13630 | | Business Unit DJ BASIN | | | District 15 | | Well Config VERTICAL | | |
| KB - GL / MSL (ft... 10.00 | | Spud Date 9/24/1987 | | P & A Date 4/8/1994 | | Well Production Status PA | | | SoRT No |
| Comment | | | | | | | | | |
| Surface Location (Congressional) | | | | | | | | | |
| Qtr 3 NW | Qtr 4 NW | Section 27 | Twnshp 6 | Twnsh... N | Range 64 | Rng E... W | Actual Latitude (°) 40.46277500 | Actual Longitude (°) 40.46277500 | |
| Wellbore Sections | | | | | | | | | |
| Section Des | | | Size (in) | | | Act Top, MD (ftKB) | | Act Btm, MD (ftKB) | |
| SURFACE | | | 12 1/4 | | | 10 | | 297 | |
| PRODUCTION | | | 7 7/8 | | | 297 | | 7,218 | |
| Casing Strings | | | | | | | | | |
| Csg Des | | | Run Date | | OD (in) | Wt/Len (lb/ft) | Grade | Top, MD (ftKB) | MD (ftKB) |
| Surface | | | 9/24/1987 | | 8 5/8 | 24.00 | | 10.0 | 297.0 |
| Production | | | 9/28/1987 | | 4 1/2 | 11.60 | P-110 | 5,780.0 | 7,079.0 |
| Cement | | | | | | | | | |
| Des | | | | | Start Date | | Top (ftKB) | | Btm (ftKB) |
| Surface Casing Cement | | | | | 9/24/1987 | | 10.0 | | 297.0 |
| Production Casing Cement | | | | | 9/28/1987 | | 5,828.0 | | 7,079.0 |
| Cement Plug | | | | | 4/8/1994 | | 5,975.0 | | 5,980.0 |
| Cement Plug | | | | | 4/8/1994 | | 5,780.0 | | 5,828.0 |
| Balance Plug | | | | | 4/8/1994 | | 277.0 | | 380.0 |
| Cement Plug | | | | | 4/8/1994 | | 10.0 | | 42.0 |
| Zone Statuses | | | | | | | | | |
| Zone Name | | Status Date | Status | Fluid Type | | Job | | | Prod Method |
| | | | | | | | | | |
| Perforation Data | | | | | | | | | |
| Linked Zone | | | Bnch/Stg | Entered Shot Total | | Top (ftKB) | | Btm (ftKB) | Date |
| NIOBRARA, ORIGINAL HOLE | | | A | 3 | | 6,625.00 | | 6,638.00 | 10/20/1987 |
| NIOBRARA, ORIGINAL HOLE | | | B | 6 | | 6,727.00 | | 6,745.00 | 10/20/1987 |
| CODELL, ORIGINAL HOLE | | | | 6 | | 6,912.00 | | 6,921.00 | 10/20/1987 |
| Stimulation Intervals | | | | | | | | | |
| Zone | | | | Start Date | | Top (ftKB) | | Btm (ftKB) | |
| NIOBRARA-CODELL, ORIGINAL HOLE | | | | 10/20/1987 | | 6,625.0 | | 6,921.0 | |
| Other In Hole | | | | | | | | | |
| Run Date | | Des | | | | OD (in) | Top (ftKB) | Btm (ftKB) | |
| 4/6/1994 | | Sand plug | | | | 3.99 | 5,980.0 | 5,981.0 | |
| Logs | | | | | | | | | |
| Date | | Type | | | | Top, MD (ftKB) | | Btm, MD (ftKB) | |
| 10/13/1987 | | CEMENT BOND | | | | 5,750.0 | | 7,218.0 | |
| Plug Back Total Depths | | | | | | | | | |
| Date | | Type | | Com | | | | Depth (ftKB) | |
| 10/13/1987 | | FILL | | DEPTH LOGGER FROM CBL | | | | 7,047.0 | |