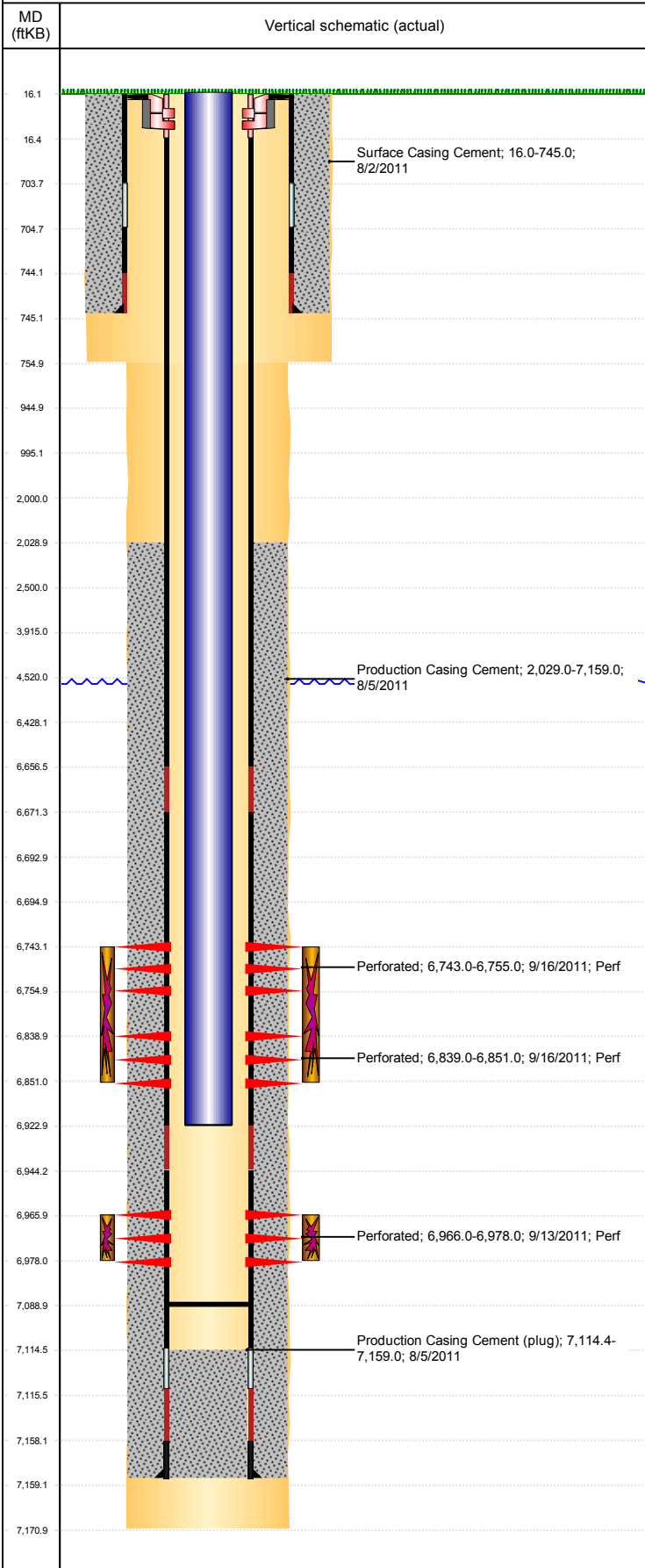


Well Name: GUTTERSEN STATE D22-18

VERTICAL, ORIGINAL HOLE, 11/26/2018 3:22:25 PM



Well Header

| | | | |
|-------------------------------|---------------------------|----------------|------------------------------|
| API 05-123-32941 | Business Unit DJ BASIN | District 15 | Well Config VERTICAL |
| KB - GL / MSL (ft... 16.00 | Spud Date 8/1/2011 | P & A Date | Well Production Status SI |
| Comment | | | SoRT No |

Surface Location (Congressional)

| | | | | | | | | |
|-------------|-------------|---------------|--------------|----------------|-------------|---------------|------------------------------------|---------------------------------------|
| Qtr 3 NW | Qtr 4 NE | Section 22 | Twonshp 3 | Twonsh... N | Range 64 | Rng E... W | Actual Latitude (°) 40.21450665 | Actual Longitude (°) -104.53705170 |
|-------------|-------------|---------------|--------------|----------------|-------------|---------------|------------------------------------|---------------------------------------|

Wellbore Sections

| Section Des | Size (in) | Act Top, MD (ftKB) | Act Btm, MD (ftKB) |
|-------------|-----------|--------------------|--------------------|
| SURFACE | 12 1/4 | 16 | 755 |
| PRODUCTION | 7 7/8 | 755 | 7,171 |

Casing Strings

| Csg Des | Run Date | OD (in) | Wt/Len (lb/ft) | Grade | Top, MD (ftKB) | MD (ftKB) |
|------------|----------|---------|----------------|-------|----------------|-----------|
| Surface | 8/2/2011 | 8 5/8 | 24.00 | J-55 | 16.0 | 745.0 |
| Production | 8/5/2011 | 4 1/2 | 11.60 | M-80 | 16.0 | 7,159.0 |

Cement

| Des | Start Date | Top (ftKB) | Btm (ftKB) |
|--------------------------|------------|------------|------------|
| Surface Casing Cement | 8/2/2011 | 16.0 | 745.0 |
| Production Casing Cement | 8/5/2011 | 2,029.0 | 7,159.0 |

Zone Statuses

| Zone Name | Status Date | Status | Fluid Type | Job | Prod Method |
|-----------|-------------|--------|------------|--|-------------|
| NIOBRARA | 9/19/2011 | PR | Water | DRILLING/COMPLETION - ORIGINAL, 7/30/2011... | Flowing |
| NIOBRARA | 9/19/2011 | PR | | | |
| CODELL | 9/19/2011 | PR | | | |
| CODELL | 11/29/2016 | SI | | | |

Perforation Data

| Linked Zone | Bnch/Stg | Entered Shot Total | Top (ftKB) | Btm (ftKB) | Date |
|-------------------------|----------|--------------------|------------|------------|-----------|
| NIOBRARA, ORIGINAL HOLE | B | 24 | 6,743.00 | 6,755.00 | 9/16/2011 |
| NIOBRARA, ORIGINAL HOLE | C | 24 | 6,839.00 | 6,851.00 | 9/16/2011 |
| CODELL, ORIGINAL HOLE | | 48 | 6,966.00 | 6,978.00 | 9/13/2011 |

Stimulation Intervals

| Zone | Start Date | Top (ftKB) | Btm (ftKB) |
|-------------------------|------------|------------|------------|
| NIOBRARA, ORIGINAL HOLE | 9/16/2011 | 6,743.0 | 6,851.0 |
| CODELL, ORIGINAL HOLE | 9/16/2011 | 6,966.0 | 6,978.0 |

Other In Hole

| Run Date | Des | OD (in) | Top (ftKB) | Btm (ftKB) |
|----------|-----|---------|------------|------------|
| | | | | |

Logs

| Date | Type | Top, MD (ftKB) | Btm, MD (ftKB) |
|-----------|--|----------------|----------------|
| 8/5/2011 | Caliper/Comp. Density/Neutron/GR/SP/ML | 2,750.0 | 7,143.0 |
| 8/5/2011 | DIL/GR/SP/Caliper | 748.0 | 7,163.0 |
| 8/16/2011 | CBL/CCL/GR | 1,850.0 | 7,077.0 |
| 2/14/2018 | GYRO | 16.0 | 6,850.0 |

Plug Back Total Depths

| Date | Type | Com | Depth (ftKB) |
|------------|---------------|---------------------|--------------|
| 8/16/2011 | FILL | DEPTH LOGGER ON CBL | 7,078.0 |
| 11/14/2011 | PLUG REMNANTS | | 7,089.0 |