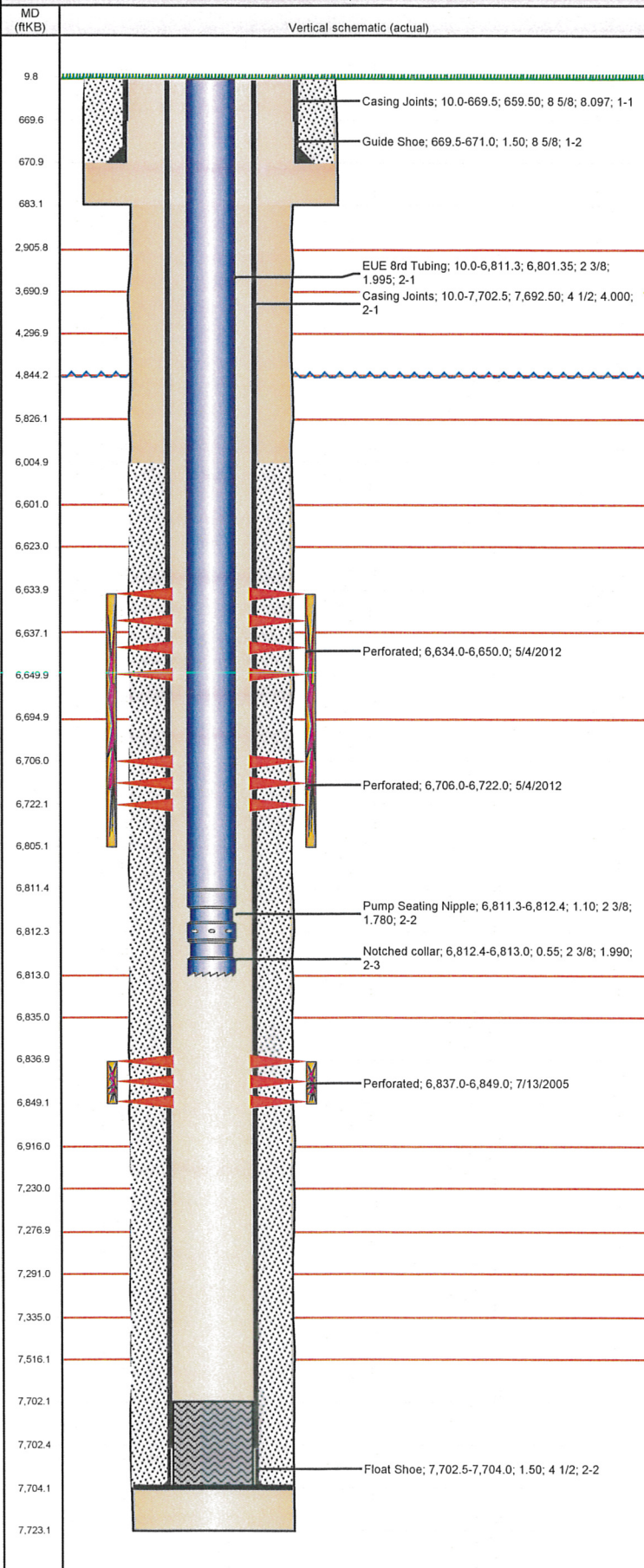


Well Name: GUTTERSEN STATE DD08-13

VERTICAL - ORIGINAL HOLE, 8/23/2012 8:04:03 AM



Well Header

| | | | |
|--|-------------------------------|-----------------------|-------------------------|
| API 05-123-22911 | Business Unit WATTENBERG | District 15 | Well Config VERTICAL |
| Original KB Elevation (ft) 4,855.00 | KB - GL / MSL (ftKB) 10.00 | Spud Date 6/1/2005 | P & A Date |

Comment

Directions To Well

WCR 40 & WCR 57, SOUTH TO ARCH (1989) SOUTHEAST 1.4 MILES, NORTH 0.8, EAST 2 MILES, SOUTH 1.2 MILES, WEST 0.5, SOUTH INTO

Current PBTD (ftKB)

ORIGINAL HOLE - 7,704.0

Surface Location (Congressional)

| Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Section | Township | Twship N... | Range | Rng E/W Dir |
|-----------|-----------|-----------|-----------|---------|----------|-------------|-------|-------------|
| | | SW | SW | 8 | 3 | N | 63 | W |

Bottom Hole Location

| | | | |
|---------------------------|------------------|-------------------------|------------------|
| North-South Distance (ft) | From N or S Line | East-West Distance (ft) | From E or W Line |
|---------------------------|------------------|-------------------------|------------------|

Plug Back Total Depths

| Date | Depth (ftKB) | Method | Com |
|-----------|--------------|----------------|-------------------|
| 6/7/2005 | 7,702.0 | CASING TALLY | LATCH DOWN COLLAR |
| 7/13/2005 | 7,704.0 | CASED HOLE LOG | DEPTH LOGGER |

Wellbore Sections

| Section Des | Size (in) | Act Top (ftKB) | Act Btm (ftKB) |
|-------------|-----------|----------------|----------------|
| SURFACE | 12 1/4 | 10.0 | 683.0 |
| PRODUCTION | 7 7/8 | 683.0 | 7,723.0 |

Zone Statuses

| Zone Name | Status Date | Status | Job |
|-----------|-------------|--------|--|
| CODELL | 8/15/2005 | PR | DRILLING/COMPLETION - ORIGINAL, 6/1/2005 00:00 |
| NIOBRARA | 7/25/2012 | PR | RECOMPLETION, 5/2/2012 00:00 |

Casing Strings

| Csg Des | Run Date | OD (in) | Wt/Len (lb/ft) | Grade | Top (ftKB) | Set Depth (ftKB) |
|----------------|----------|---------|----------------|-------|------------|------------------|
| Surface Casing | 6/1/2005 | 8 5/8 | 24.00 | | 10.0 | 671.0 |
| Production | 6/7/2005 | 4 1/2 | 11.60 | M-80 | 10.0 | 7,704.0 |

Cement

| Des | Top (ftKB) | Btm (ftKB) |
|--------------------------|------------|------------|
| SURFACE CASING CEMENT | 10.0 | 671.0 |
| PRODUCTION CASING CEMENT | 6,005.0 | 7,704.0 |

Tubing Components

| Item Des | OD (in) | Wt (lb/ft) | Grade | Jts | Len (ft) |
|---------------------|---------|------------|-------|-----|----------|
| EUE 8rd Tubing | 2 3/8 | 4.70 | J-55 | 209 | 6,801.35 |
| Pump Seating Nipple | 2 3/8 | 1.10 | J-55 | 1 | 1.10 |
| Notched collar | 2 3/8 | 4.70 | J-55 | 1 | 0.55 |

Perforation Data

| Zone | Bnch/St g | Entered Shot Total | Top (ftKB) | Btm (ftKB) | Date |
|-------------------------|-----------|--------------------|------------|------------|-----------|
| NIOBRARA, ORIGINAL HOLE | | 32 | 6,634.0 | 6,650.0 | 5/4/2012 |
| NIOBRARA, ORIGINAL HOLE | | 32 | 6,706.0 | 6,722.0 | 5/4/2012 |
| CODELL, ORIGINAL HOLE | | 48 | 6,837.0 | 6,849.0 | 7/13/2005 |

Stimulations & Treatments

| Bnch/Stg | Date | Zone | Primary Job Type |
|----------|-----------|-----------------------|--------------------------------|
| | 7/28/2005 | CODELL, ORIGINAL HOLE | DRILLING/COMPLETION - ORIGINAL |

Comment

| Total Add Amount | Total Clean Volume... | Vol Slurry Tot (gal) | Vol Gas Tot (MCF) |
|---------------------------|--------------------------|--------------------------|--------------------------|
| Proppant Ottawa 273916 lb | | 127890.01 | |
| Avg Treat Pressure (psi) | Max Treat Pressure (psi) | Avg Treat Rate (bbl/min) | Max Treat Rate (bbl/min) |
| 3,447.0 | 3,955.0 | 11.00 | 11.20 |

| Bnch/Stg | Date | Zone | Primary Job Type |
|----------|-----------|-------------------------|------------------|
| | 5/15/2012 | NIOBRARA, ORIGINAL HOLE | RECOMPLETION |

Comment

| Total Add Amount | Total Clean Volume... | Vol Slurry Tot (gal) | Vol Gas Tot (MCF) |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Ottawa 248573.9 lb | 153617.52 | 164901.24 | |
| Avg Treat Pressure (psi) | Max Treat Pressure (psi) | Avg Treat Rate (bbl/min) | Max Treat Rate (bbl/min) |
| 4,201.0 | 4,590.0 | 43.76 | 44.40 |

Other In Hole

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

Well Name: GUTTERSEN STATE DD08-13

VERTICAL - ORIGINAL HOLE, 8/23/2012 8:04:04 AM

Logs

