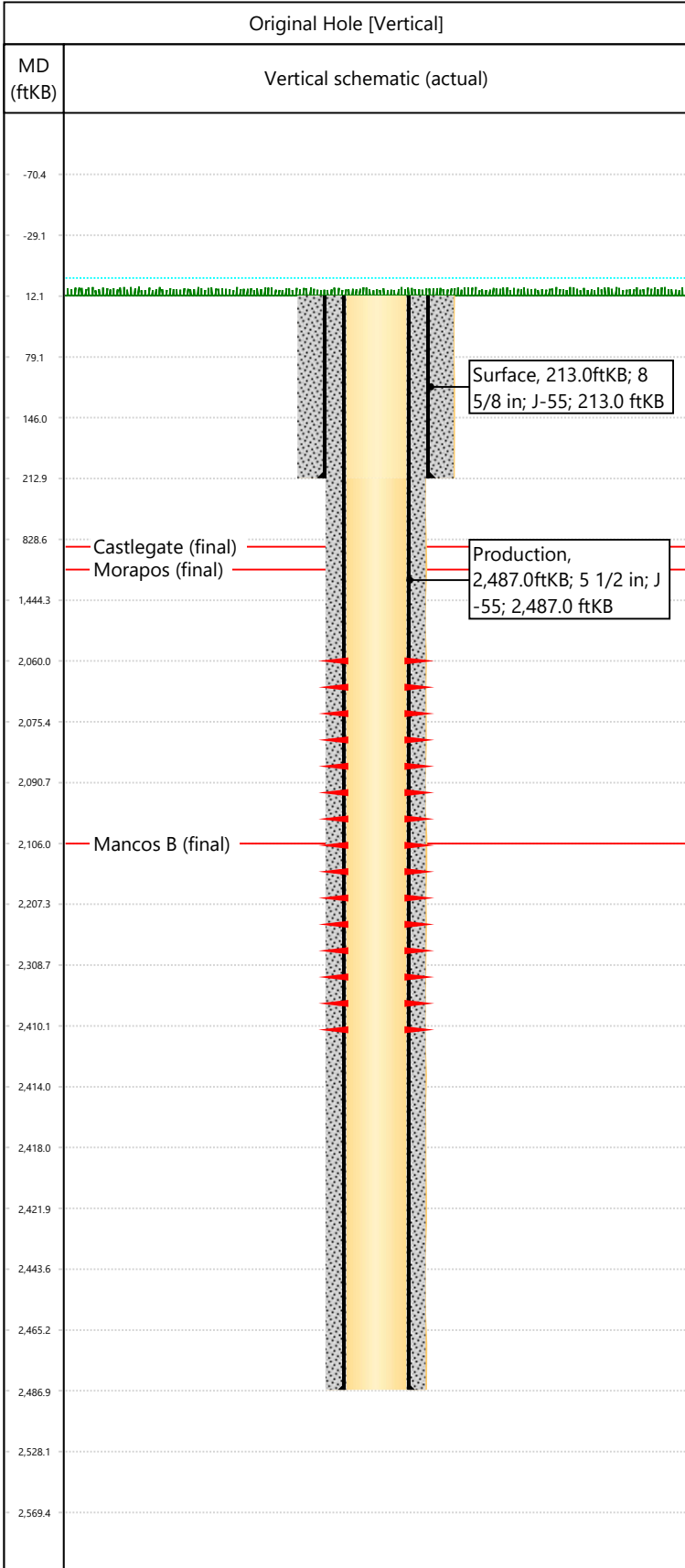


Well Name: CATHEDRAL FEDERAL 27-13

| | | | | | |
|-------------------------------------|---------------------------------------|------------------------------|------------------|----------------------|-------------------------------------|
| API/UWI 05103097060000 | Surface Legal Location 27-02S-101W | Field Name Cathedral | License # | State/Province CO | Well Configuration Type Vertical |
| Original KB Elevation (ft) 6,266 | KB-Tubing Head Distance (ft) | Spud Date 9/22/1994 00:00 | Rig Release Date | PBTD (All) (KB) | Total Depth All (TVD) (KB) |



| Hole Size | | |
|-----------------------------------|---------------------|-----------------------------|
| Section Description Surface | Size (in) 12 1/2 | Btm Depth (ftKB) 213.0 |
| Section Description Production | Size (in) 7 7/8 | Btm Depth (ftKB) 2,487.0 |

| Formations | |
|------------------------------|--------------------------------|
| Formation Name Mancos B | Final Top MD (ftKB) 2,106.0 |
| Formation Name Morapos | Final Top MD (ftKB) 1,142.0 |
| Formation Name Castlegate | Final Top MD (ftKB) 904.0 |

| Casing Strings | | | | |
|----------------|---------|----------------|-------|------------------|
| Csg Des | OD (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
| Surface | 8 5/8 | 24.00 | J-55 | 213.0 |
| Production | 5 1/2 | 17.00 | J-55 | 2,487.0 |

| Perforations | | | |
|--------------|------------|------------|-------------------------|
| Date | Top (ftKB) | Btm (ftKB) | Zone |
| 1/11/1995 | 2060 | 2410 | Mancos B, Original Hole |

Total

| Tubing Strings | | | | | | | | | | |
|--------------------|----------|--------------------|------------------|----------|------|-----|---------|------------|-------|----------|
| Tubing Description | Run Date | String Length (ft) | Set Depth (ftKB) | | | | | | | |
| | | | | Item Des | Icon | Jts | OD (in) | Wt (lb/ft) | Grade | Len (ft) |
| | | | | | | | | | | |

| Rod Strings | | | | | | | | | | |
|-----------------|----------|--------------------|------------------|----------|------|-----|---------|------------|-------|----------|
| Rod Description | Run Date | String Length (ft) | Set Depth (ftKB) | | | | | | | |
| | | | | Item Des | Icon | Jts | OD (in) | Wt (lb/ft) | Grade | Len (ft) |
| | | | | | | | | | | |

| Other In Hole | | | | | | |
|---------------|------|---------|------------|------------|----------|-----------|
| Des | Icon | OD (in) | Top (ftKB) | Btm (ftKB) | Run Date | Pull Date |
| | | | | | | |

| Cement | | | |
|--------------------------|---------------------|--------|------------------|
| Description | Proposed/Actual Run | Type | Top Depth (ftKB) |
| Surface Casing Cement | Actual | Casing | 12.0 |
| Production Casing Cement | Actual | Casing | 12.0 |