

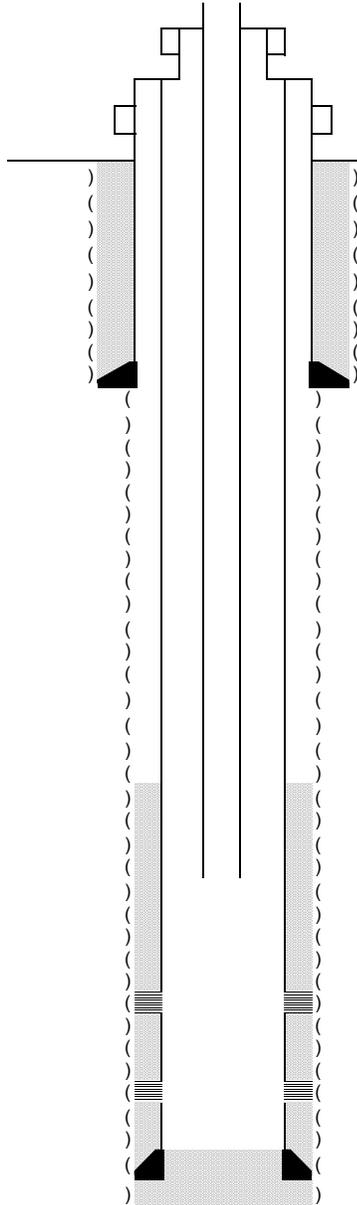


WELLBORE DIAGRAM

CURRENT WBD

1973' FNL & 660' FWL

Operator: Great Western Operating Co. LLC
 Well Name: Kowitz 27-5
 Lease Number: _____
 Location: SWNW 27 5N 65W
 Field: Wattenberg - #90750
 County, State: Weld, CO
 API Number: 05-123-13474
 Diagram Date: 11/28/2018
 Lat/Long: 40.371878/ -104.656492



KB ' 4662'

GL ' 4652'

Spud Date: 7/29/1987
 Date TD Reached: 8/3/1987
 Completion Date: 9/5/1987

Surface casing
 (12-1/4" hole size) 8-5/8" 14# csg
 set @ 334' w/ 270 sx

Production casing
 (7-7/8" hole size) 4-1/2" 15.1# csg
 set @ 7165' w/ 220 sx

Tubing
 2-3/8" tbg @ 6910 (213 jts)

TOC = 6165'

Formation Tops (MD)
 Su@ 4310'
 Sh@ 4860'
 Nio 6677'
 Cox 7012'

Perforations
 Niobrara:
 6814'-6834'

Codell:
 7016'-7028'

TVD = PBTVD =
 MD = 7165' PBMD = 7165'



WELLBORE DIAGRAM

PROPOSED WBD

1973' FNL & 660' FWL

Operator: Great Western Operating Co. LLC
 Well Name: Kowitz 27-5
 Lease Number:
 Location: SWNW 27 5N 65W
 Field: Wattenberg - #90750
 County, State: Weld, CO
 API Number: 05-123-13474
 Diagram Date: 11/28/2018
 Lat/Long: 40.371878/ -104.656492

1 Mile Radius:
 No PR Sussex
 Deepest Offset WW: 350'
 Fox Hills: bottom approx 206'

Cut and cap csg 4-6'
 below ground level
 (Well Name, API, Legal Desc)

KB ' 4662'

GL ' 4652'

Spud Date: 7/29/1987
 Date TD Reached: 8/3/1987
 Completion Date: 9/5/1987

Surface Casing
 (12-1/4" hole size) 8-5/8" 14# csg
 set @ 334' w/ 270 sx

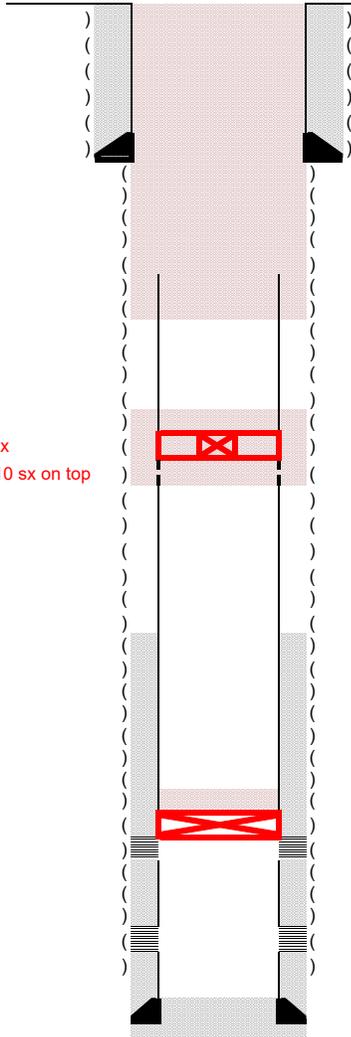
Production casing
 (7-7/8" hole size) 4-1/2" 15.1# csg
 set @ 7165' w/ 220 sx

Tubing
 2-3/8" tbg @ 6910 (213 jts)

Cut and pull csg @ 1200'
 pump stub plug @ 1250'
 w/ 400 sx class G to surf

Perf @ 2500' squeeze 75 sx
 thru CICR @ 2400', leave 10 sx on top
 annular TOC approx 2120'

Set CIBP @ 6750'
 pump 25 sx cmt
 TOC approx 6420'



TOC = 6165'

Formation Tops (MD)

Susse 4310'
 Shann 4860'
 Niobrara 6677'
 Codell 7012'

Perforations

Niobrara:
 6814'-6834'

Codell:
 7016'-7028'

TVD = MD = 7165'
 PBTVD = PBMD = 7165'