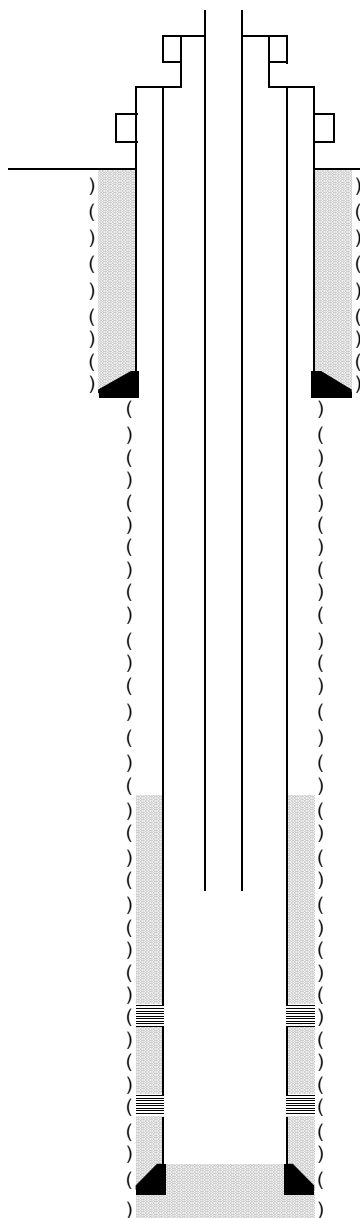




# WELLBORE DIAGRAM

CURRENT WBD

1973' FNL & 660' FWL



TVD =  
MD = 7165'

PBTVD =  
PBMD = 7165'

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)

Sus 4310'  
Sh<sub>2</sub> 4860'  
Nio 6677'  
Coc 7012'

## Perforations

Niobrara:  
6814'-6834'

Codell:  
7016'-7028'

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



## WELLBORE DIAGRAM

PROPOSED WBD

1973' FNL & 660' FWL

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'

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  
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### 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:  
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TVD =  
MD = 7165'

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