

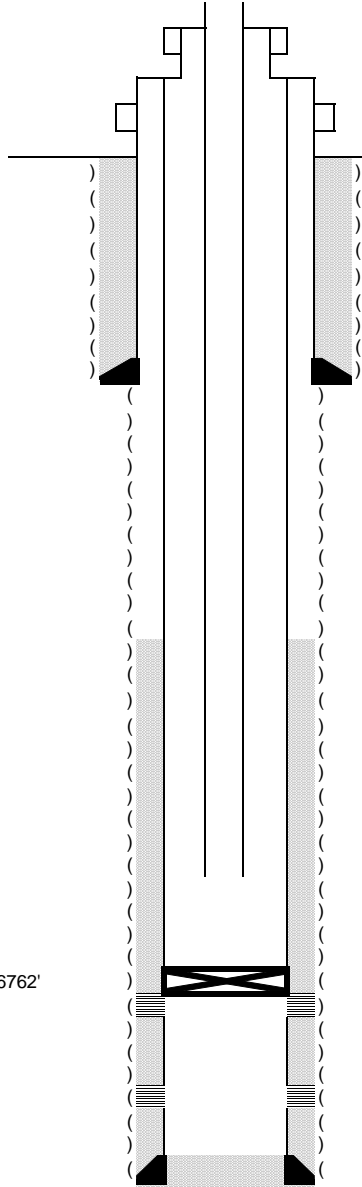


**WELLBORE DIAGRAM**

CURRENT WBD

1932' FSL & 2131' FEL

Operator:	Great Western Operating Co. LLC
Well Name:	Detterer 33-24
Lease Number:	
Location:	NWSE 24-T6N-R67W
Field:	LaPoudre - #48125
County, State:	Weld, CO
API Number:	05-123-24707
Diagram Date:	4/13/2016
Lat/Long	40.47064/-104.84019



**KB ' 4762'**

**GL ' 4750'**

**Spud Date:** 5/7/2007  
**Date TD Reached:** 5/14/2007  
**Completion Date:**

**Surface Casing**  
 (12-1/4" Hole Size) 8-5/8" csg set @ 619'  
 w/ 450 sx cmt

**Production casing**  
 (7-7/8" Hole Size) 4-1/2" csg set @ 7285'  
 w/ 580 sx cmt

**Tubing**  
 2-3/8" set @ 6662'

**TOC = 3560'**  
 3620' good bond

**Formation Tops**  
 Parkman 3490'  
 Sussex 4192'  
 Shannon 4590'  
 Niobrar 6802'  
 Ft. Hays 7060'  
 Codell 7100'

**Perfortations**  
**Niobrara 6802'-7020' (11/17/2007)**  
 Frac'd w/ 201,060 # of 30/50 .5-2 ppg in 4532 BBLs  
 Total Fluid Pumped 6039 BBLs

**Codell 7100'-7116' (5/29/2007)**  
 Frac'd w/ 115,040# 30/50 sand  
 Total Fluid Pumped 3989 BBLs

RBP set @ 6762'  
 on 4/8/2016

**TVD = MD = 7300'**      **PBTVD = PBMD = 7285'**