

WELLBORE DIAGRAM

PROPOSED WBD

1980' FNL & 660' FEL

Operator: Great Western Operating
 Well Name: Ward English
 Lease Number: 42-20
 Location: SENE 20-T6N-R66W
 Field: Bracewell
 County, State: Weld, CO
 API Number: 05-123-11154
 Diagram Date: 5/22/2015

KB ' 4768'

GL ' 4759'

Well History

Spud Date: 5/2/1983
 Date TD Reached: 5/8/1983
 Completion Date: 6/13/1983
 Date of First Production: 6/13/1983

Parkman SS	3622
Sussex	4362
Shannon	4740
Niobrara	6832
Codell	7156
Greenhorn	7204

12 1/4" Hole
 8-5/8" 36# J-55 csg set at 410'
 Cmt'd w/ 300 sks cement

Cement down 4-1/2" casing to
 1500' to 0' w/ 115 sks cement
 1.15 cf/sk

Cement 1-1/4" down annulus
 to 1500' with 340 sks cement
 1.15 cf/sk

Holes in 4-1/2" between 800'-1471'
 Set CIBP @1500'

TOC @6300' CBL
 6700'-6800' 20 sks cement across the Niobrara

CIBP @ 7100' w/2 sks cement on top

7-7/8" production hole
 4-1/2", 11.6# csg set @ 7290'
 170 sks cement

Codell perms: 7158'-7170' 2 SPF
 Frac w/ 2500# 100 mesh, 159,000# 20/40
 and 83,250 gals versagel 1500

PBTD 7248'
 TD 7295'

