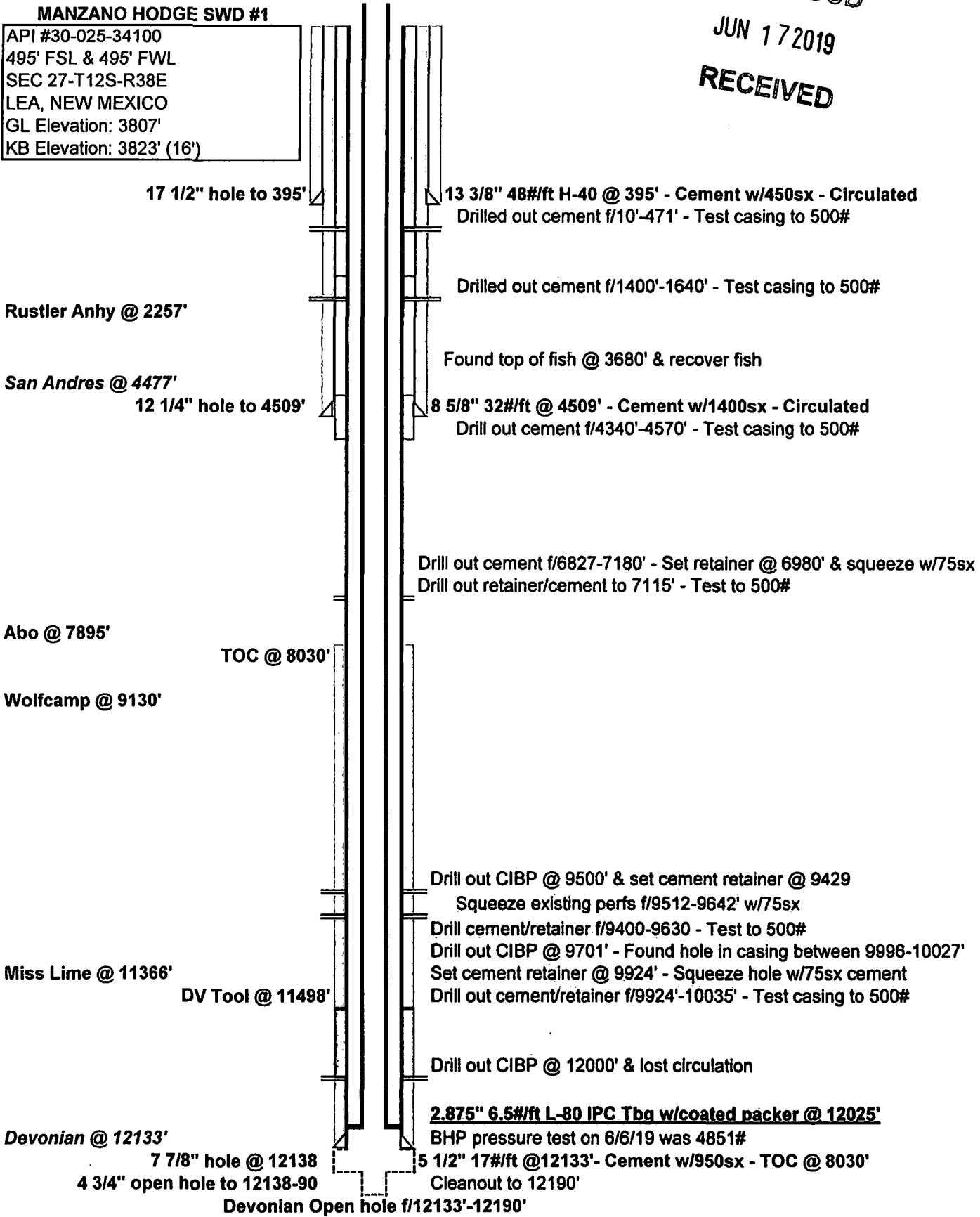


MANZANO, LLC
WELLBORE Diagram (as of 6-15-19)

HOBBS OCD
JUN 17 2019
RECEIVED

MANZANO HODGE SWD #1

API #30-025-34100
 495' FSL & 495' FWL
 SEC 27-T12S-R38E
 LEA, NEW MEXICO
 GL Elevation: 3807'
 KB Elevation: 3823' (16')



17 1/2" hole to 395'

13 3/8" 48#/ft H-40 @ 395' - Cement w/450sx - Circulated
 Drilled out cement f/10'-471' - Test casing to 500#

Rustler Anhy @ 2257'

Drilled out cement f/1400'-1640' - Test casing to 500#

San Andres @ 4477'

Found top of fish @ 3680' & recover fish

12 1/4" hole to 4509'

8 5/8" 32#/ft @ 4509' - Cement w/1400sx - Circulated
 Drill out cement f/4340'-4570' - Test casing to 500#

Abo @ 7895'

Drill out cement f/6827-7180' - Set retainer @ 6980' & squeeze w/75sx
 Drill out retainer/cement to 7115' - Test to 500#

TOC @ 8030'

Wolfcamp @ 9130'

Drill out CIBP @ 9500' & set cement retainer @ 9429

Squeeze existing perms f/9512-9642' w/75sx

Drill cement/retainer f/9400-9630 - Test to 500#

Miss Lime @ 11366'

Drill out CIBP @ 9701' - Found hole in casing between 9996-10027'

Set cement retainer @ 9924' - Squeeze hole w/75sx cement

Drill out cement/retainer f/9924'-10035' - Test casing to 500#

DV Tool @ 11498'

Drill out CIBP @ 12000' & lost circulation

Devonian @ 12133'

2.875" 6.5#/ft L-80 IPC Tbg w/coated packer @ 12025'

BHP pressure test on 6/6/19 was 4851#

7 7/8" hole @ 12138

5 1/2" 17#/ft @ 12133' - Cement w/950sx - TOC @ 8030'

4 3/4" open hole to 12138-90

Cleanout to 12190'

Devonian Open hole f/12133'-12190'