

Well Name: Orchard Unit 18-15H (K20OU)

Location: Piceance Basin, Colorado
Field: Orchard
API#: 05077101120000
Surface Location: NESW Sec 20-T8S - R96W 6th PM
BH Location: SWSE Sec 18-T8S-R96 W 6th PM
KB: 22 ft
TD: 13,853 ft
Float Collar: 13,748 ft
80 deg Dev @: 9100 ft
KOP: 7300 ft
Average TVD: 8561 ft



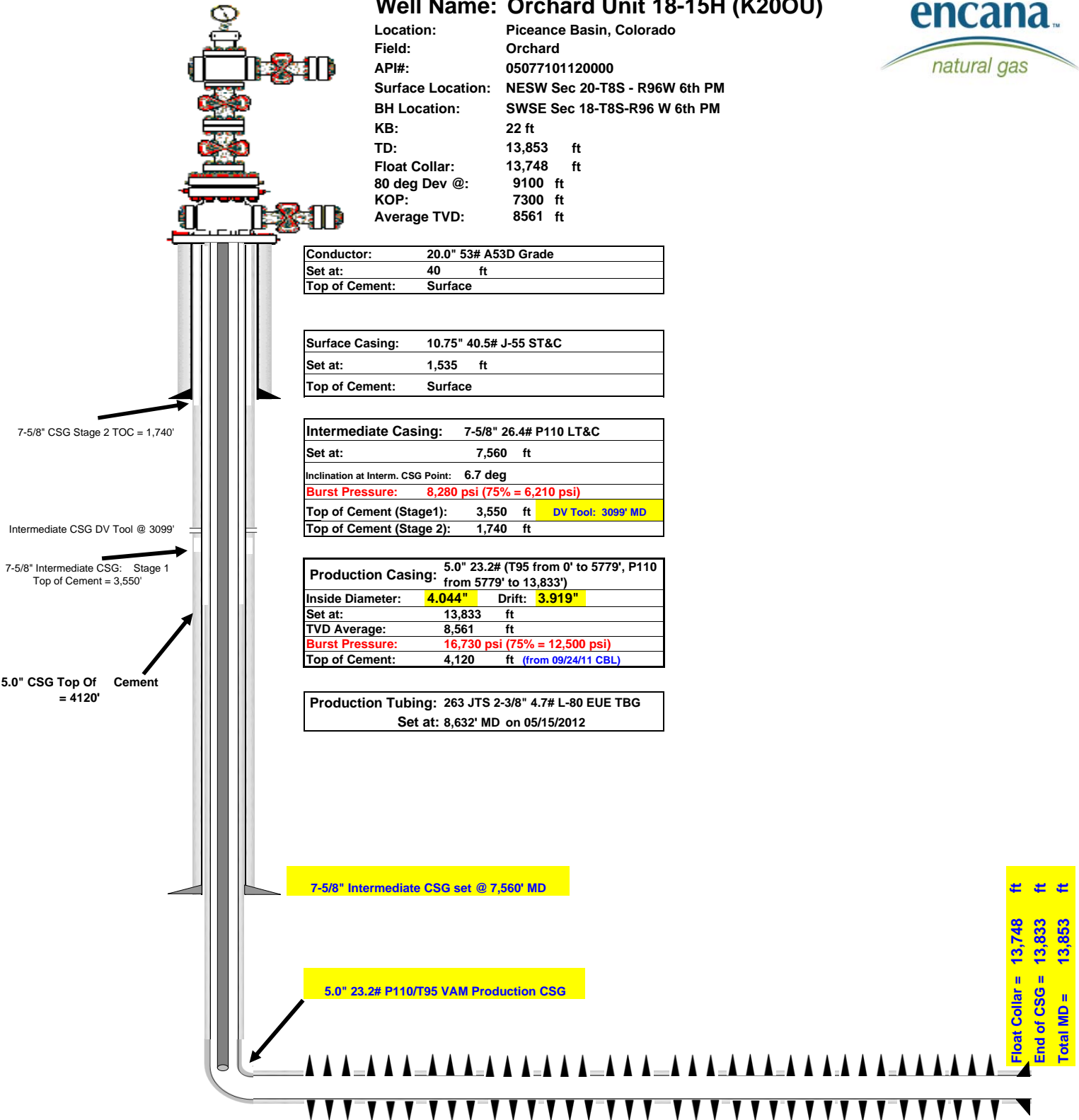
Conductor:	20.0" 53# A53D Grade
Set at:	40 ft
Top of Cement:	Surface

Surface Casing:	10.75" 40.5# J-55 ST&C
Set at:	1,535 ft
Top of Cement:	Surface

Intermediate Casing:	7-5/8" 26.4# P110 LT&C
Set at:	7,560 ft
Inclination at Interm. CSG Point:	6.7 deg
Burst Pressure:	8,280 psi (75% = 6,210 psi)
Top of Cement (Stage1):	3,550 ft DV Tool: 3099' MD
Top of Cement (Stage 2):	1,740 ft

Production Casing:	5.0" 23.2# (T95 from 0' to 5779', P110 from 5779' to 13,833')
Inside Diameter:	4.044" Drift: 3.919"
Set at:	13,833 ft
TVD Average:	8,561 ft
Burst Pressure:	16,730 psi (75% = 12,500 psi)
Top of Cement:	4,120 ft (from 09/24/11 CBL)

Production Tubing:	263 JTS 2-3/8" 4.7# L-80 EUE TBG
Set at:	8,632' MD on 05/15/2012



Niobrara Perfs from 8,690' to 13,670'