

Well Name: Orchard Unit 18-9HM (K20OU)

Location: Piceance Basin, Colorado
Field: Orchard
API#: 05077101130000
Surface Location: NESW Sec 20 T8S - R96W 6th PM
BH Location: NESE-18-8S-96 W 6th PM
KB: 22 ft
TD: 12,442 ft
Float Collar: 12,323 ft
80 deg Dev @: 7770 ft
KOP: 6850 ft
Average TVD: 7256 ft



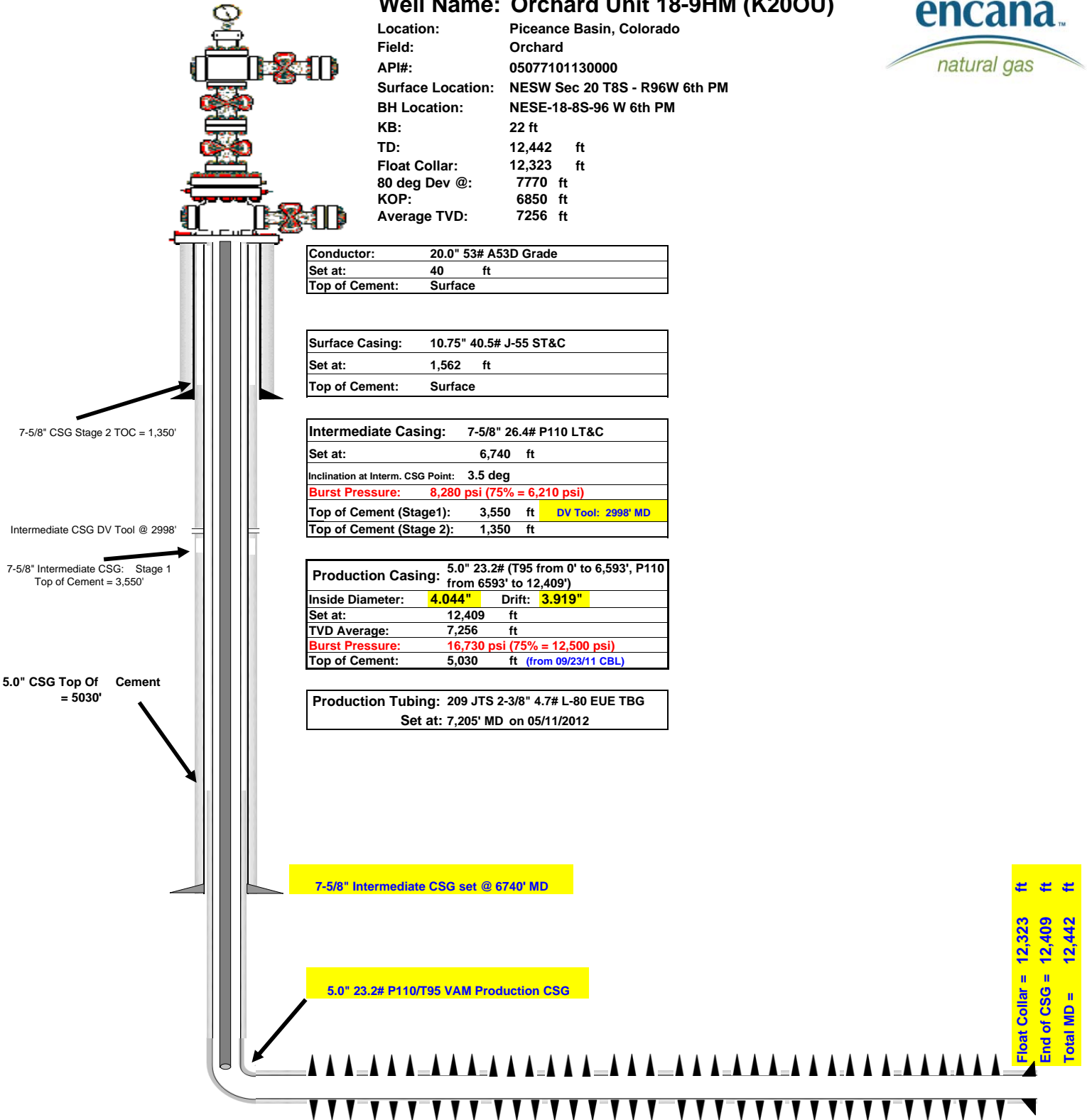
Conductor:	20.0" 53# A53D Grade
Set at:	40 ft
Top of Cement:	Surface

Surface Casing:	10.75" 40.5# J-55 ST&C
Set at:	1,562 ft
Top of Cement:	Surface

Intermediate Casing:	7-5/8" 26.4# P110 LT&C
Set at:	6,740 ft
Inclination at Interm. CSG Point:	3.5 deg
Burst Pressure:	8,280 psi (75% = 6,210 psi)
Top of Cement (Stage1):	3,550 ft DV Tool: 2998' MD
Top of Cement (Stage 2):	1,350 ft

Production Casing:	5.0" 23.2# (T95 from 0' to 6,593', P110 from 6593' to 12,409')
Inside Diameter:	4.044" Drift: 3.919"
Set at:	12,409 ft
TVD Average:	7,256 ft
Burst Pressure:	16,730 psi (75% = 12,500 psi)
Top of Cement:	5,030 ft (from 09/23/11 CBL)

Production Tubing:	209 JTS 2-3/8" 4.7# L-80 EUE TBG
Set at:	7,205' MD on 05/11/2012



Mancos Perfs from 7290' to 12,270'