

# FACIAL MALFORMATIONS ON 2013 MONTANA HUNTER-KILLED PRONGHORN ANTELOPE

Photographed by Judy Hoy, Independent Wildlife Researcher  
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**This is a photo of the side view of an adult hunter-killed antelope showing a completely normal bite, with all of the incisors contacting the dental pad and with even wear on the tops of the incisors, for comparison with 2013 antelope.**



**This is a cleaned doe antelope skull with a normally developed premaxillary bone and a normal bite. Note that the lower incisors do not go forward of the anterior of the premaxillary bone when the molars are meshed. This photo was found on the internet.**



**#1-13 Pronghorn antelope, hunter-killed male, side view of underbite +3 mm.**



**#1-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.2 cm Incisor width = 3.7 cm. Difference = 5 mm.**





**#2-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.**



**#2-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.5 cm Incisor width = 3.9 cm. Difference = 5 mm.**





**#3-13 Pronghorn antelope, hunter-killed male, showing side view of bite 0 mm.**



**#3-13 Pronghorn antelope male, front view of bite and incisors even with the dental pad. Pad width = 3.7 cm Incisor width = 3.7 cm. Difference = 0 mm.**



**#4-13 Pronghorn antelope, hunter-killed male, side view of underbite +3 mm.**



**#4-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.**





**#5-13 Pronghorn antelope, hunter-killed male, side view underbite +2 mm.**



**#5-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.**





**#6-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.**



**#6-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.1 cm Incisor width = 3.5 cm. Difference = 4 mm.**





**#7-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.**



**#7-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.5 cm Incisor width = 3.6 cm. Difference = 1 mm.**





**#8-13 Pronghorn antelope, hunter-killed male, side view of underbite +2 mm.**



**#8-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.3 cm Incisor width = 3.6 cm. Difference = 3 mm.**





**#9-13 Pronghorn antelope, hunter-killed male, side view of underbite +6 mm.**



**#9-13 Pronghorn antelope male, front view of underbite and incisors wider than the dental pad. Pad width = 3.0 cm Incisor width = 3.8 cm. Difference = 8 mm.**



**#10-13 Pronghorn antelope male, hunter-killed, no photo taken.**

**Underbite +2 mm.**

**Incisors were even in width with the dental pad.**

**Pad width = 3.2 cm Incisor width = 3.2 cm. Difference = 0 mm.**

**6 other male pronghorn antelope were not measured, but bite was checked.**

**3 normal bite      3 underbite      0 overbite**

**Total hunter killed pronghorn antelope examined November 22, 2013 = 16**

**4 Normal 25%**

**12 Brachygnathia Superior 75%**

**0 Mandibular Brachygnathia 0%**