Appendix D Colonial Spanish Horse Type Matrix

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A matrix of characters can be used to effectively evaluate horses for their relative consistency with Spanish type conformation. All horses vary, as do all populations. This matrix scores a variety of conformational traits related to Colonial Spanish Horse type. A score near 1 for each trait is most consistent with an Iberian origin, those with a score near 5 are much less typical.

When evaluating individual horses it is possible for a non-Iberian horse to be fairly low-scoring. This is much less likely when entire populations are scored, so that it is recommended that the matrix be used on populations rather than on individual horses. Populations that have over 80% low-scoring horses are likely to be Iberian in origin, and those with over 90% low scoring horses are nearly always proven to have had an Iberian origin. Those with 50% or fewer Iberian type horses are unlikely to prove out to be Iberian in origin.

On every horse, however many of these characteristics that can be observed should be scored. Add up the total score, and then divide that total by the number of items scored. A score of 1 is a very typey horse, a score of 2 an acceptable horse, a score of 3 a marginal horse. Scores of 4 and 5 deviate significantly from Spanish type. In a population of purely Spanish origin the scores should cluster strongly in categories 1 and 2, with very few in 4 and none in 5.

most typical – score 1	not typical - score 5	
HEAD PROFILE		
either	1. dished as in Arabian.	
1. concave/flat on forehead and then convex from	2. markedly convex.	
top of nasal area to top of upper lip (subconvex)		
uniformly slightly convex from poll to muzzle		
3. straight		
HEAD FROM FRONT VIEW		
Wide between eyes (cranial portion) but tapering	Wide and fleshy throughout head from cranial	
and "chiseled" in nasal/facial portion. This is a	portion to muzzle.	
very important indicator, and width between eyes		
with sculpted taper to fine muzzle is very typical.		
NOSTRILS		
Small, thin, and crescent-shaped. Flare larger	Large, round, and open at rest.	
when excited or exerting.		
EARS		
Small to medium length, with distinctive notch or	Long, straight, with no inward point at tip. Thick,	
inward point at tips	wide, or boxy.	
EYES		
Vary from large to small (pig eyes). Usually fairly	Large and bold, low on head.	
high on head		
MUZZLE PROFILE		
Refined, usually with the top lip longer than the	coarse and thick with lower lip loose, large, and	
bottom lip	projecting beyond upper lip.	
MUZZLE FRONT VIEW		
Fine taper down face to nostrils, slight outward	Coarse and rounded, or heavy and somewhat	
flare, and then inward delicate curve to small, fine	square as the Quarter Horses, rather than having	
muzzle that is narrower than region between	the tapering curves of the typical muzzle.	
nostrils.		

most typical – score 1	not typical - score 5		
NE	CK		
Wide from side, sometimes ewe-necked, attached low on chest	Thin, long, and set high on chest.		
	HEIGHT		
Usually 13.2 to 14.2 hands high. Horses over 15 hands are not typical	Under 13 hands or over 15 hands is not typical		
WITH	HERS		
Pronounced and obvious. "sharp" Low, thick, and meaty.			
BA	CK		
Short, strong.	Long, weak, and plain.		
	PROFILE		
angled from top to tail. Usually a 30 degree slope,	flat or high		
some are steeper	nat of riight		
	SET		
Low, tail follows the croup angle so that tail "falls off" the croup.	High, tail up above the angle of the croup.		
	ILDER		
Should be long, and 45 to 55 degrees	Short, and steeper than 55 degrees		
_	IDE VIEW		
Deep, usually accounting for half of height	Shallow, less than half of height		
CHEST FR	ONT VIEW		
Narrow, and "pointed" in an "A" shape.	Broad, with chest flat across.		
	TNUTS		
Small, frequently absent on rear, and flat rather than thick	Large, and thick		
COI	LOR		
Any color. In populations the black-based colors are relatively common. No bonus points for any color, no suspicion of impurity on any color	No color is penalized		
REAR LIMBS FROM REAR VIEW			
Straight along whole length, or inward to have close hocks and then straight to ground ("close hocks"), or slightly turned out from hocks to ground ("cow hocks") but not extreme. Legs very flexible. At trot the hind track often lands past the front track.	Excessive "cow hocks." Heavy, bunchy gaskin muscle, tight tendons.		
FEATHERING ON LEGS			
Absent to light fetlock feathering, though some have long silky hair above ergot and a "comb" of curled hair up back of cannon. Some horses from mountain areas have more feathering than typical of others, and lose this after moving to other environments.	Coarse, abundant feathering as is seen in some draft horse breeds.		
REAR			
Contour from top of croup to gaskin has a "break" in line at the point of the butt.	Contour from top of croup to gaskin is full and round "apple butt" with no break at the point of the butt.		
HIP FROM REAR			
Spine higher than hip, resulting in "rafter" hip. Usually no crease from heavy muscling	Thickly muscled with a distinct crease down the rear.		
HIP FROM SIDE			
Long and sloping, well angled, and not heavy. Short, poorly angled. MUSCLING			
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most typical – score 1	not typical - score 5	
Long and tapered	Short and thick "bunchy"	
FRONT CANNON BONES		
Cross-section is round. Best to palpate this below the splint bones.	Cross section is flat across the rear of the bone.	