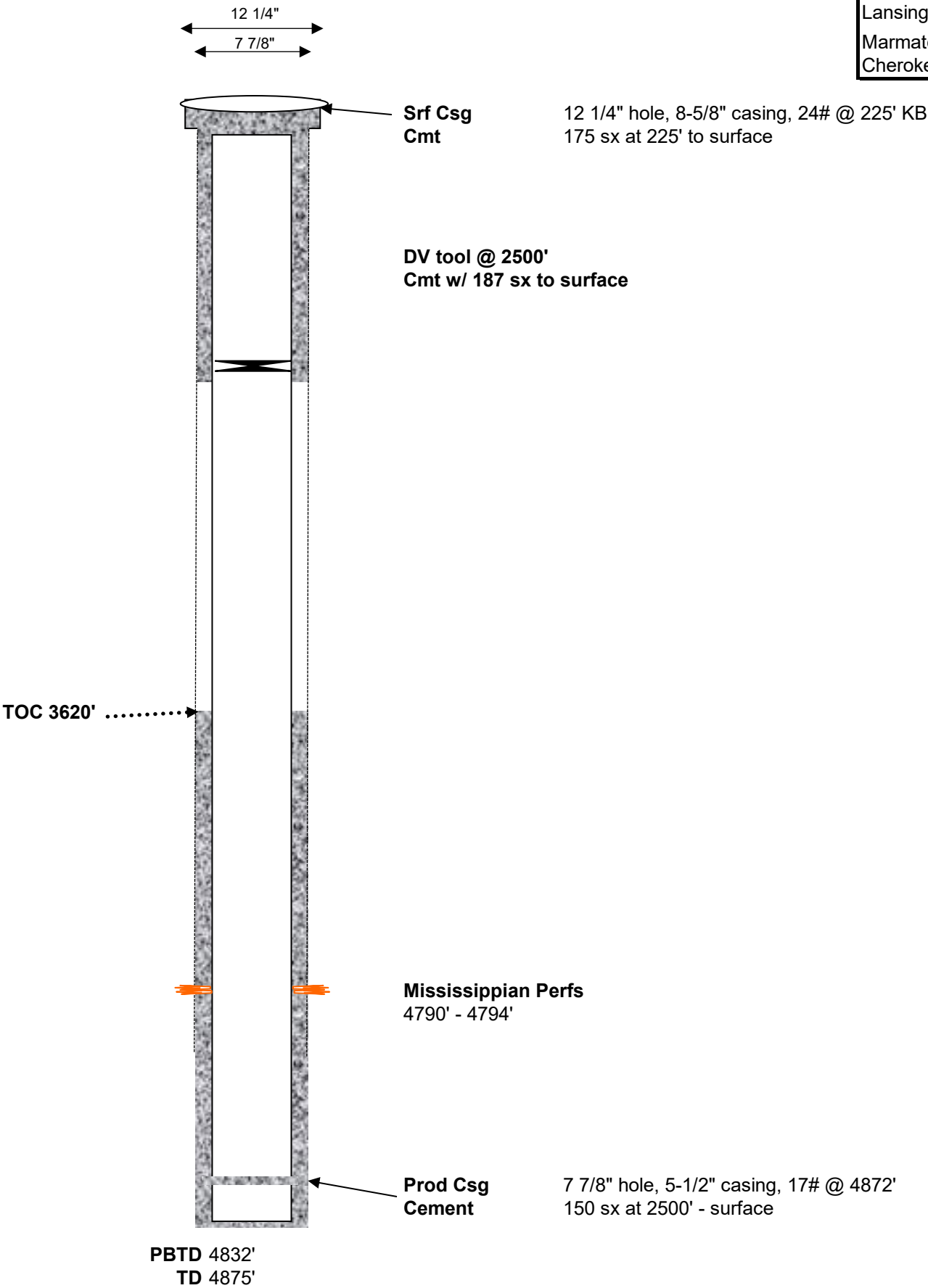


Western Operating Company

General Well Info			
Well Name:	Harrison #7	Field:	Brandon
Diagram Date:	12/26/2024	County:	Kiowa
Srf Location:	SENE 9 19S45W 6	State:	CO
Spud Date:	10/3/2001	API #:	05-061-06784
GL Elev:	3915'		
Formation Tops			
Zone	Depth	Zone	Depth
Blaine	1746'	Atoka	4246
Heebner	3510'	Morrow	4328
Lansing	3584'	Keyes	4492'
Marmaton	3947'	Mississippian	4508'
Cherokee	4076'		



Srf Csg	12 1/4" hole, 8-5/8" casing, 24# @
Cmt	175 sx at 225' to surface
DV Tool	@ 2500'
Cmt	187 sx at 2500' - surface
Prod Csg	7 7/8" hole, 5-1/2" casing, 17# @
Cmt	150 sx at 2500' - surface

TOC Calculation		
15.5# cement slurry density	1.16	cuft/sx
	187	sx
Volume of cement	216.92	cuft
Piping	5.7737	ft/cuft
Cement height	1252.431	ft
Casing Set Depth	4872	ft
Calculated TOC	3620	ft