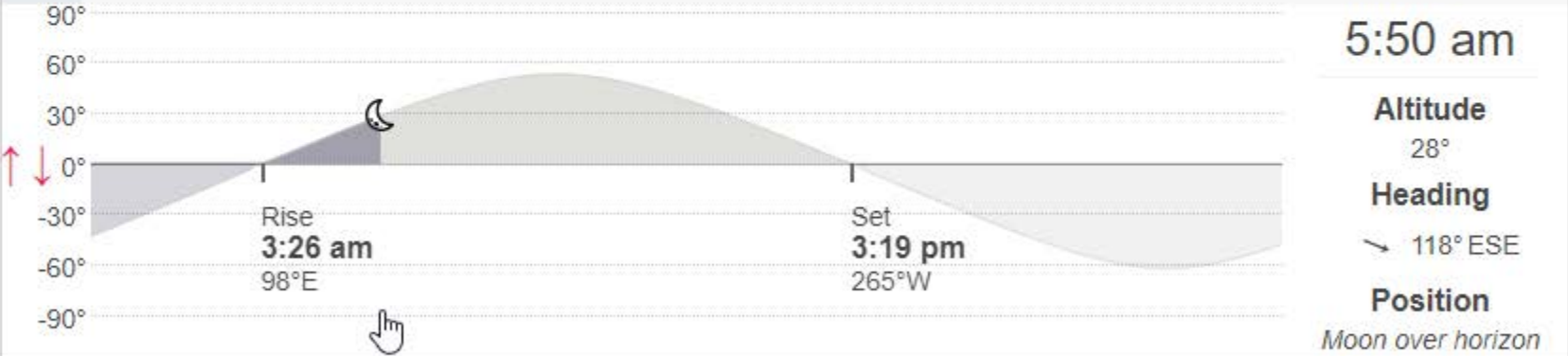


2019	Moonrise/Moonset			Meridian Passing		
May	Moonrise	Moonset	Moonrise	Time	Distance (mi)	Illumination
17 ▾	-	6:08 am ↶ (259°)	7:31 pm ↷ (104°)	12:21 am (49.8°)	231,935	96.4%
18 ▾	-	6:48 am ↶ (253°)	8:34 pm ↷ (109°)	1:12 am (44.9°)	233,930	99.4%
19 ▾	-	7:30 am ↶ (249°)	9:36 pm ↷ (113°)	2:04 am (40.9°)	236,403	99.7%
20 ▾	-	8:15 am ↶ (246°)	10:35 pm ↷ (116°)	2:57 am (38.0°)	239,208	97.5%
21 ▾	-	9:04 am ↶ (244°)	11:30 pm ↷ (116°)	3:50 am (36.2°)	242,143	93.1%
22 ▾	-	9:56 am ↶ (244°)	-	4:43 am (35.8°)	244,976	86.9%
23 ▾	12:20 am ↷ (116°)	10:50 am ↶ (245°)	-	5:34 am (36.5°)	247,474	79.3%
24 ▾	1:05 am ↷ (114°)	11:44 am ↶ (247°)	-	6:23 am (38.3°)	249,429	70.6%
25 ▾	1:45 am ↷ (111°)	12:38 pm ↶ (251°)	-	7:10 am (41.1°)	250,678	61.3%
26 ▾	2:21 am ↷ (107°)	1:32 pm ↶ (255°)	-	7:54 am (44.5°)	251,119	51.6%
27 ▾	2:54 am ↷ (103°)	2:26 pm ↶ (260°)	-	8:37 am (48.6°)	250,714	41.8%
28 ▴	3:26 am ↷ (97°)	3:19 pm ↶ (265°)	-	9:20 am (53.0°)	249,493	32.3%



29 ▾	3:56 am ↷ (92°)	4:14 pm ↶ (271°)	-	10:02 am (57.8°)	247,551	23.4%
30 ▾	4:27 am ↷ (87°)	5:09 pm ↶ (276°)	-	10:45 am (62.6°)	245,043	15.3%
31 ▾	5:00 am ↷ (81°)	6:07 pm ↷ (282°)	-	11:30 am (67.4°)	242,170	8.6%

* All times are local time for Mertzson Oil Field. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar. Illumination is calculated at lunar noon.