

# Sweetpea Petroleum

Maverick 1

Maverick 1

Maverick 1H

Maverick T463 A1

Design: Maverick T463 A1

## Sperry Drilling Services

### Geodetic Report

06 October, 2022

Well Coordinates: 8,173,811.09 N, 448,224.96 E (16° 31' 01.27" S, 134° 30' 53.35" E)  
Ground Level: 273.00 m

Local Coordinate Origin:  
Viewing Datum:  
TVDs to System:  
North Reference:  
Unit System:

Centered on Well Maverick 1H  
RT @ 280.00m  
N  
Grid  
Mixed API

Version: 5000.17 Build:

HALLIBURTON

Design Report for Maverick 1H - Maverick T463 A1

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Local Coordinates		Geographic Coordinates		UTM Coordinates	
				+N/-S (m)	+E/-W (m)	Latitude	Longitude	Northing (m)	Easting (m)
0.00	0.00	0.00	0.00	0.00	0.00	16° 31' 1.270 S	134° 30' 53.354 E	8,173,811.09	448,224.96
101.49	0.25	62.38	101.49	0.10	0.20	16° 31' 1.267 S	134° 30' 53.361 E	8,173,811.19	448,225.16
186.83	0.97	62.38	186.82	0.52	1.00	16° 31' 1.254 S	134° 30' 53.388 E	8,173,811.61	448,225.96
270.62	0.79	35.11	270.60	1.33	1.96	16° 31' 1.228 S	134° 30' 53.420 E	8,173,812.42	448,226.92
299.33	0.65	29.37	299.31	1.63	2.16	16° 31' 1.218 S	134° 30' 53.427 E	8,173,812.72	448,227.12
328.06	0.89	37.34	328.04	1.95	2.37	16° 31' 1.207 S	134° 30' 53.434 E	8,173,813.04	448,227.33
356.71	1.00	39.43	356.69	2.32	2.66	16° 31' 1.195 S	134° 30' 53.444 E	8,173,813.41	448,227.62
385.40	0.87	24.57	385.37	2.71	2.91	16° 31' 1.183 S	134° 30' 53.453 E	8,173,813.80	448,227.87
414.16	0.55	55.89	414.13	2.99	3.12	16° 31' 1.174 S	134° 30' 53.460 E	8,173,814.08	448,228.08
443.06	0.73	40.42	443.03	3.20	3.35	16° 31' 1.166 S	134° 30' 53.468 E	8,173,814.29	448,228.31
471.73	0.75	26.26	471.70	3.51	3.55	16° 31' 1.156 S	134° 30' 53.474 E	8,173,814.60	448,228.51
500.38	0.50	13.96	500.34	3.80	3.67	16° 31' 1.147 S	134° 30' 53.478 E	8,173,814.89	448,228.63
529.00	0.74	3.72	528.96	4.11	3.71	16° 31' 1.137 S	134° 30' 53.480 E	8,173,815.20	448,228.67
557.74	0.39	359.00	557.70	4.39	3.72	16° 31' 1.128 S	134° 30' 53.480 E	8,173,815.48	448,228.68
586.20	0.25	11.35	586.16	4.55	3.73	16° 31' 1.123 S	134° 30' 53.480 E	8,173,815.64	448,228.69
640.96	0.50	244.87	640.92	4.56	3.54	16° 31' 1.122 S	134° 30' 53.474 E	8,173,815.65	448,228.50
669.63	0.56	233.26	669.59	4.43	3.31	16° 31' 1.127 S	134° 30' 53.466 E	8,173,815.52	448,228.27
698.27	0.68	235.86	698.23	4.25	3.06	16° 31' 1.133 S	134° 30' 53.458 E	8,173,815.34	448,228.02
726.99	0.96	226.77	726.94	3.99	2.74	16° 31' 1.141 S	134° 30' 53.447 E	8,173,815.08	448,227.70
755.63	0.78	218.29	755.58	3.67	2.45	16° 31' 1.151 S	134° 30' 53.437 E	8,173,814.76	448,227.41
813.04	0.98	218.69	812.98	2.98	1.90	16° 31' 1.174 S	134° 30' 53.418 E	8,173,814.07	448,226.86
841.97	1.10	225.80	841.91	2.59	1.55	16° 31' 1.186 S	134° 30' 53.407 E	8,173,813.68	448,226.51
870.44	1.16	222.63	870.37	2.19	1.15	16° 31' 1.199 S	134° 30' 53.393 E	8,173,813.28	448,226.11
927.91	1.21	218.26	927.83	1.29	0.38	16° 31' 1.229 S	134° 30' 53.367 E	8,173,812.38	448,225.34
956.56	1.28	218.67	956.47	0.80	0.00	16° 31' 1.245 S	134° 30' 53.354 E	8,173,811.89	448,224.96
985.36	1.27	213.13	985.27	0.28	-0.38	16° 31' 1.261 S	134° 30' 53.341 E	8,173,811.37	448,224.58
1,014.03	1.52	208.80	1,013.93	-0.32	-0.74	16° 31' 1.281 S	134° 30' 53.329 E	8,173,810.77	448,224.22
1,042.70	1.48	219.75	1,042.59	-0.94	-1.16	16° 31' 1.301 S	134° 30' 53.315 E	8,173,810.15	448,223.80
1,128.70	1.31	263.21	1,128.57	-1.91	-2.84	16° 31' 1.332 S	134° 30' 53.258 E	8,173,809.18	448,222.12
1,157.49	1.09	288.35	1,157.35	-1.86	-3.43	16° 31' 1.331 S	134° 30' 53.238 E	8,173,809.23	448,221.53
1,186.18	1.72	279.37	1,186.03	-1.70	-4.11	16° 31' 1.326 S	134° 30' 53.215 E	8,173,809.39	448,220.85
1,214.96	2.11	269.93	1,214.80	-1.63	-5.07	16° 31' 1.323 S	134° 30' 53.183 E	8,173,809.46	448,219.89
1,243.58	1.22	254.49	1,243.40	-1.72	-5.89	16° 31' 1.326 S	134° 30' 53.155 E	8,173,809.37	448,219.07
1,272.24	1.68	245.30	1,272.05	-1.97	-6.56	16° 31' 1.334 S	134° 30' 53.133 E	8,173,809.12	448,218.40
1,300.92	1.64	201.13	1,300.72	-2.53	-7.09	16° 31' 1.352 S	134° 30' 53.115 E	8,173,808.56	448,217.87
1,329.66	1.41	125.13	1,329.46	-3.12	-6.95	16° 31' 1.371 S	134° 30' 53.119 E	8,173,807.97	448,218.01
1,358.34	0.39	109.96	1,358.13	-3.36	-6.57	16° 31' 1.379 S	134° 30' 53.132 E	8,173,807.73	448,218.39
1,386.30	0.36	179.99	1,386.09	-3.48	-6.48	16° 31' 1.383 S	134° 30' 53.135 E	8,173,807.61	448,218.48
1,414.94	0.98	227.91	1,414.73	-3.73	-6.67	16° 31' 1.391 S	134° 30' 53.129 E	8,173,807.36	448,218.29
1,443.65	1.61	229.94	1,443.43	-4.15	-7.16	16° 31' 1.405 S	134° 30' 53.112 E	8,173,806.94	448,217.80
1,472.33	1.79	230.33	1,472.10	-4.70	-7.81	16° 31' 1.423 S	134° 30' 53.090 E	8,173,806.39	448,217.15
1,501.03	1.70	239.63	1,500.79	-5.20	-8.52	16° 31' 1.439 S	134° 30' 53.066 E	8,173,805.89	448,216.44

Design Report for Maverick 1H - Maverick T463 A1

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	Local Coordinates		Geographic Coordinates		UTM Coordinates	
				+N/-S (m)	+E/-W (m)	Latitude	Longitude	Northing (m)	Easting (m)
1,529.68	1.70	236.08	1,529.42	-5.65	-9.24	16° 31' 1.454 S	134° 30' 53.042 E	8,173,805.44	448,215.72
1,558.19	1.93	249.44	1,557.92	-6.06	-10.04	16° 31' 1.467 S	134° 30' 53.015 E	8,173,805.03	448,214.92
1,586.78	1.85	254.73	1,586.49	-6.35	-10.94	16° 31' 1.476 S	134° 30' 52.985 E	8,173,804.74	448,214.02
1,615.28	1.83	254.15	1,614.98	-6.59	-11.82	16° 31' 1.484 S	134° 30' 52.955 E	8,173,804.50	448,213.14
1,643.70	1.72	246.74	1,643.38	-6.89	-12.65	16° 31' 1.494 S	134° 30' 52.927 E	8,173,804.20	448,212.31
1,672.39	1.52	248.87	1,672.06	-7.19	-13.40	16° 31' 1.504 S	134° 30' 52.902 E	8,173,803.90	448,211.56
1,700.92	1.37	244.07	1,700.58	-7.48	-14.06	16° 31' 1.513 S	134° 30' 52.879 E	8,173,803.61	448,210.90
1,729.50	1.28	236.29	1,729.16	-7.81	-14.63	16° 31' 1.523 S	134° 30' 52.860 E	8,173,803.28	448,210.33
1,758.09	1.50	236.34	1,757.74	-8.19	-15.21	16° 31' 1.536 S	134° 30' 52.841 E	8,173,802.90	448,209.75
1,786.70	1.62	221.00	1,786.34	-8.70	-15.78	16° 31' 1.552 S	134° 30' 52.821 E	8,173,802.39	448,209.18
1,842.50	2.54	216.65	1,842.10	-10.29	-17.04	16° 31' 1.604 S	134° 30' 52.779 E	8,173,800.80	448,207.92
1,899.69	3.01	226.83	1,899.22	-12.33	-18.89	16° 31' 1.670 S	134° 30' 52.716 E	8,173,798.76	448,206.07
1,956.77	3.30	233.23	1,956.22	-14.34	-21.30	16° 31' 1.736 S	134° 30' 52.634 E	8,173,796.75	448,203.66
2,014.13	3.29	227.14	2,013.48	-16.45	-23.83	16° 31' 1.804 S	134° 30' 52.549 E	8,173,794.64	448,201.13
2,071.54	3.06	217.11	2,070.80	-18.79	-25.96	16° 31' 1.880 S	134° 30' 52.477 E	8,173,792.30	448,199.00
2,100.25	3.45	219.06	2,099.47	-20.08	-26.97	16° 31' 1.922 S	134° 30' 52.443 E	8,173,791.01	448,197.99
2,128.87	4.08	217.65	2,128.03	-21.55	-28.13	16° 31' 1.970 S	134° 30' 52.403 E	8,173,789.54	448,196.83
2,157.61	3.45	211.56	2,156.70	-23.10	-29.21	16° 31' 2.020 S	134° 30' 52.367 E	8,173,787.99	448,195.75
2,186.22	4.00	199.66	2,185.25	-24.77	-30.00	16° 31' 2.074 S	134° 30' 52.340 E	8,173,786.32	448,194.96
2,214.71	4.10	203.15	2,213.67	-26.64	-30.73	16° 31' 2.135 S	134° 30' 52.315 E	8,173,784.45	448,194.23
2,243.28	3.36	208.77	2,242.18	-28.32	-31.54	16° 31' 2.189 S	134° 30' 52.288 E	8,173,782.77	448,193.42
2,271.79	2.05	200.01	2,270.66	-29.53	-32.11	16° 31' 2.229 S	134° 30' 52.269 E	8,173,781.56	448,192.85
2,300.41	2.67	167.08	2,299.26	-30.66	-32.14	16° 31' 2.266 S	134° 30' 52.268 E	8,173,780.43	448,192.82
2,328.91	2.31	198.29	2,327.73	-31.85	-32.17	16° 31' 2.304 S	134° 30' 52.266 E	8,173,779.24	448,192.79
2,357.60	1.98	221.03	2,356.40	-32.77	-32.68	16° 31' 2.334 S	134° 30' 52.249 E	8,173,778.32	448,192.28
2,370.00	1.98	229.50	2,368.79	-33.07	-32.98	16° 31' 2.344 S	134° 30' 52.239 E	8,173,778.02	448,191.98
2,386.32	2.09	245.18	2,385.10	-33.38	-33.46	16° 31' 2.354 S	134° 30' 52.223 E	8,173,777.71	448,191.50
2,414.75	2.54	263.17	2,413.51	-33.67	-34.56	16° 31' 2.364 S	134° 30' 52.186 E	8,173,777.42	448,190.40
2,443.57	2.70	265.47	2,442.30	-33.80	-35.87	16° 31' 2.368 S	134° 30' 52.141 E	8,173,777.29	448,189.09
2,472.32	3.12	260.82	2,471.01	-33.98	-37.32	16° 31' 2.373 S	134° 30' 52.092 E	8,173,777.11	448,187.64
2,501.02	3.58	261.12	2,499.67	-34.24	-38.98	16° 31' 2.382 S	134° 30' 52.037 E	8,173,776.85	448,185.98
2,529.58	3.76	257.65	2,528.17	-34.58	-40.77	16° 31' 2.393 S	134° 30' 51.976 E	8,173,776.51	448,184.19
2,558.22	4.67	246.81	2,556.73	-35.24	-42.76	16° 31' 2.414 S	134° 30' 51.909 E	8,173,775.85	448,182.20
2,586.87	5.79	240.71	2,585.26	-36.41	-45.09	16° 31' 2.452 S	134° 30' 51.830 E	8,173,774.68	448,179.87
2,615.58	6.96	233.71	2,613.79	-38.15	-47.76	16° 31' 2.508 S	134° 30' 51.740 E	8,173,772.94	448,177.20
2,644.31	7.15	243.14	2,642.31	-39.99	-50.76	16° 31' 2.568 S	134° 30' 51.639 E	8,173,771.10	448,174.20
2,672.96	7.47	257.46	2,670.73	-41.20	-54.17	16° 31' 2.607 S	134° 30' 51.524 E	8,173,769.89	448,170.79
2,701.65	6.66	260.14	2,699.20	-41.89	-57.62	16° 31' 2.629 S	134° 30' 51.407 E	8,173,769.20	448,167.34
2,730.41	6.93	242.38	2,727.76	-42.98	-60.81	16° 31' 2.664 S	134° 30' 51.299 E	8,173,768.11	448,164.15
2,759.31	8.21	229.24	2,756.41	-45.13	-63.91	16° 31' 2.734 S	134° 30' 51.194 E	8,173,765.96	448,161.05
2,787.98	8.97	221.39	2,784.76	-48.14	-66.94	16° 31' 2.832 S	134° 30' 51.092 E	8,173,762.95	448,158.02
2,816.63	9.16	218.34	2,813.05	-51.61	-69.83	16° 31' 2.944 S	134° 30' 50.994 E	8,173,759.48	448,155.13

## Design Report for Maverick 1H - Maverick T463 A1

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical		Local Coordinates		Geographic Coordinates		UTM Coordinates	
			Depth (m)		+N/-S (m)	+E/-W (m)	Latitude	Longitude	Northing (m)	Easting (m)
2,845.25	9.55	217.49	2,841.29		-55.28	-72.69	16° 31' 3.064 S	134° 30' 50.897 E	8,173,755.81	448,152.27
2,873.99	9.95	222.15	2,869.61		-59.01	-75.81	16° 31' 3.185 S	134° 30' 50.792 E	8,173,752.08	448,149.15
2,902.45	9.33	216.59	2,897.67		-62.69	-78.83	16° 31' 3.304 S	134° 30' 50.690 E	8,173,748.40	448,146.13
2,931.13	9.57	212.14	2,925.96		-66.57	-81.49	16° 31' 3.431 S	134° 30' 50.600 E	8,173,744.52	448,143.47
2,959.86	10.05	207.49	2,954.27		-70.82	-83.92	16° 31' 3.569 S	134° 30' 50.518 E	8,173,740.27	448,141.04
2,988.54	8.86	206.23	2,982.56		-75.02	-86.05	16° 31' 3.705 S	134° 30' 50.445 E	8,173,736.07	448,138.91
3,017.28	7.78	210.99	3,011.00		-78.67	-88.03	16° 31' 3.824 S	134° 30' 50.378 E	8,173,732.42	448,136.93
3,035.10	7.95	214.21	3,028.65		-80.73	-89.34	16° 31' 3.891 S	134° 30' 50.334 E	8,173,730.36	448,135.62
3,050.00	7.95	214.21	3,043.41		-82.43	-90.50	16° 31' 3.946 S	134° 30' 50.295 E	8,173,728.66	448,134.46

Design Annotations

Measured Depth (m)	Vertical Depth (m)	Local Coordinates		Comment
		+N/-S (m)	+E/-W (m)	
3,050.00	3,043.41	-82.43	-90.50	Projection @ TD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin		Start TVD (m)
			+N/-S (m)	+E/-W (m)	
TD	No Target (Freehand)	227.67	0.00	0.00	0.00

Survey tool program

From		To		Survey/Plan	Survey Tool
(m)		(m)			
0.00	586.20	12 1/4" Hole Section MWD Survey		3_MWD+AX+Sag	
640.96	3,050.00	8 3/4" Hole Section MWD Survey		3_MWD+AX+Sag	

Design Report for Maverick 1H - Maverick T463 A1

Casing Details

Measured Depth (m)	Vertical Depth (m)	Name	Casing Diameter (in)	Hole Diameter (in)
168.70	168.70	13 3/8"	13.375	17.500
604.00	603.96	9 5/8"	9.625	12.250

Formation Details

Measured Depth (m)	Vertical Depth (m)	Name	Lithology	Dip (°)	Dip Direction (°)
83.00	83.00	Anthony Lagoon		0.00	
129.00	129.00	Gum Ridge		0.00	
250.50	250.49	Inacumbe Unit		0.00	
399.50	399.47	Cox Formation		0.00	
752.50	752.45	Hayfield Mudstone		0.00	
905.00	904.93	Bukalara/Jamison Sandstone		0.00	
1,030.50	1,030.39	Kyalla		0.00	
1,500.50	1,500.26	Moroak		0.00	
1,993.00	1,992.39	Upper Velkerri		0.00	
2,435.00	2,433.74	Middle Velkerri		0.00	
2,464.00	2,462.71	Middle Velkerri C Shale		0.00	
2,674.00	2,671.76	Middle Velkerri B Shale		0.00	
2,825.00	2,821.31	Middle Velkerri A Shale		0.00	
2,860.00	2,855.83	Lower Velkerri		0.00	

Design Targets

Shape	Target Name	TVD (°)	Northing (°)	Easting (°)	+N/-S	+E/-W	Created	Updated
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Directional Difficulty Index

Average Dogleg over Survey:	0.552 °/30m	Maximum Dogleg over Survey:	2.227 °/30m at 2,759.31 m
Net Tortousity applicable to Plans:	0.552 °/30m	Directional Difficulty Index:	4.423

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Design Report for Maverick 1H - Maverick T463 A1

Audit Info

North Reference Sheet for Maverick 1 - Maverick 1H - Maverick T463 A1

All data is in Meters unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.  
Vertical Depths are relative to RT @ 280.00m. Northing and Easting are relative to Maverick 1H  
Coordinate System is Universal Transverse Mercator, Zone 53S (132 E to 138 E) using datum GDA94, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)  
Central Meridian is 135° 0' 0.000 E°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 500,000.00m, False Northing: 10,000,000.00m, Scale Reduction: 0.99963315

Grid Coordinates of Well: 8,173,811.09 m N, 448,224.96 m E  
Geographical Coordinates of Well: 16° 31' 01.27" S, 134° 30' 53.35" E  
Grid Convergence at Surface is: 0.14°

Based upon Minimum Curvature type calculations, at a Measured Depth of 3,050.00m  
the Bottom Hole Displacement is 122.41m in the Direction of 227.67° (Grid).  
Magnetic Convergence at surface is: -3.45° ( 8 September 2022, , BGGM2022)

