

Sweetpea Petroleum

Maverick 1

Maverick 1

Maverick 1H

Maverick T463 A1

Design: Maverick T463 A1

Sperry Drilling Services

Standard Report With Distance & X, Y Offsets to Plan

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)	+N/-S (m)	+E/-W (m)	Vertical Section (m)	Dogleg Rate (°/30m)	Tooface Azimuth (°)	Build Rate (°/30m)	Turn Rate (°/30m)	Distance to Plan (m)	Y Offset to Plan (m)	X Offset to Plan (m)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.000	0.000	0.00	0.00	0.00
101.49	0.25	62.38	101.49	0.10	0.20	-0.21	0.074	62.38	0.074	0.000	0.22	-0.22	0.00
186.83	0.97	62.38	186.82	0.52	1.00	-1.09	0.253	0.00	0.253	0.000	1.13	-1.13	0.00
270.62	0.79	35.11	270.60	1.33	1.96	-2.34	0.161	-126.50	-0.064	-9.764	2.37	-2.21	-0.84
299.33	0.65	29.37	299.31	1.63	2.16	-2.69	0.164	-155.59	-0.146	-5.998	2.70	-2.48	-1.08
328.06	0.89	37.34	328.04	1.95	2.37	-3.06	0.274	28.07	0.251	8.322	3.07	-2.99	-0.70
356.71	1.00	39.43	356.69	2.32	2.66	-3.53	0.121	18.45	0.115	2.188	3.53	-3.48	-0.59
385.40	0.87	24.57	385.37	2.71	2.91	-3.98	0.287	-125.49	-0.136	-15.539	3.98	-3.68	-1.52
414.16	0.55	55.89	414.13	2.99	3.12	-4.32	0.513	144.45	-0.334	32.670	4.32	-4.26	0.72
443.06	0.73	40.42	443.03	3.20	3.35	-4.64	0.257	-51.74	0.187	-16.059	4.64	-4.61	-0.48
471.73	0.75	26.26	471.70	3.51	3.55	-4.99	0.192	-90.87	0.021	-14.817	5.00	-4.72	-1.63
500.38	0.50	13.96	500.34	3.80	3.67	-5.27	0.296	-157.84	-0.262	-12.880	5.28	-4.57	-2.64
529.00	0.74	3.72	528.96	4.11	3.71	-5.51	0.276	-29.96	0.252	-10.734	5.53	-4.34	-3.44
557.74	0.39	359.00	557.70	4.39	3.72	-5.71	0.368	-174.78	-0.365	-4.927	5.75	-4.32	-3.80
586.20	0.25	11.35	586.16	4.55	3.73	-5.82	0.164	159.86	-0.148	13.018	5.88	-5.19	-2.76
640.96	0.50	244.87	640.92	4.56	3.54	-5.69	0.372	-143.70	0.137	-69.291	5.77	5.14	-2.63
669.63	0.56	233.26	669.59	4.43	3.31	-5.43	0.128	-66.70	0.063	-12.149	5.53	5.30	-1.57
698.27	0.68	235.86	698.23	4.25	3.06	-5.12	0.129	14.50	0.126	2.723	5.23	4.92	-1.80
726.99	0.96	226.77	726.94	3.99	2.74	-4.71	0.322	-29.51	0.292	-9.495	4.84	4.73	-1.03
755.63	0.78	218.29	755.58	3.67	2.45	-4.28	0.231	-148.61	-0.189	-8.883	4.41	4.40	-0.35
813.04	0.98	218.69	812.98	2.98	1.90	-3.41	0.105	1.96	0.105	0.209	3.53	3.51	-0.38
841.97	1.10	225.80	841.91	2.59	1.55	-2.89	0.183	50.67	0.124	7.373	3.02	2.91	-0.78
870.44	1.16	222.63	870.37	2.19	1.15	-2.33	0.091	-47.77	0.063	-3.340	2.48	2.39	-0.63
927.91	1.21	218.26	927.83	1.29	0.38	-1.15	0.054	-63.24	0.026	-2.281	1.34	1.25	-0.49
956.56	1.28	218.67	956.47	0.80	0.00	-0.54	0.074	7.46	0.073	0.429	0.80	0.62	-0.50
985.36	1.27	213.13	985.27	0.28	-0.38	0.09	0.129	-97.40	-0.010	-5.771	0.47	0.03	-0.47
1,014.03	1.52	208.80	1,013.93	-0.32	-0.74	0.76	0.284	-25.04	0.262	-4.531	0.80	-0.63	-0.49
1,042.70	1.48	219.75	1,042.59	-0.94	-1.16	1.49	0.302	103.39	-0.042	11.458	1.49	-1.46	-0.29
1,128.70	1.31	263.21	1,128.57	-1.91	-2.84	3.39	0.364	120.42	-0.059	15.160	3.42	-3.05	1.56
1,157.49	1.09	288.35	1,157.35	-1.86	-3.43	3.79	0.588	124.92	-0.229	26.197	3.90	-2.67	2.85
1,186.18	1.72	279.37	1,186.03	-1.70	-4.11	4.19	0.696	-23.79	0.659	-9.390	4.45	-3.78	2.35
1,214.96	2.11	269.93	1,214.80	-1.63	-5.07	4.85	0.522	-43.75	0.407	-9.840	5.33	-5.07	1.63
1,243.58	1.22	254.49	1,243.40	-1.72	-5.89	5.51	1.037	-160.83	-0.933	-16.184	6.13	-6.13	0.08
1,272.24	1.68	245.30	1,272.05	-1.97	-6.56	6.18	0.538	-31.46	0.482	-9.620	6.85	-6.79	-0.95
1,300.92	1.64	201.13	1,300.72	-2.53	-7.09	6.95	1.306	-113.78	-0.042	-46.203	7.53	-4.92	-5.71
1,329.66	1.41	125.13	1,329.46	-3.12	-6.95	7.24	1.969	-133.50	-0.240	-79.332	7.62	3.89	-6.55
1,358.34	0.39	109.96	1,358.13	-3.36	-6.57	7.12	1.086	-174.36	-1.067	-15.868	7.38	5.03	-5.40

Design Report for Maverick 1H - Maverick T463 A1

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	+N/-S (m)	+E/-W (m)	Vertical Section (m)	Dogleg Rate (°/30m)	Tooface Azimuth (°)	Build Rate (°/30m)	Turn Rate (°/30m)	Distance to Plan (m)	Y Offset to Plan (m)	X Offset to Plan (m)
1,386.30	0.36	179.99	1,386.09	-3.48	-6.48	7.13	0.462	128.28	-0.032	75.139	7.36	-3.48	-6.48
1,414.94	0.98	227.91	1,414.73	-3.73	-6.67	7.44	0.823	67.80	0.649	50.196	7.64	-7.45	-1.70
1,443.65	1.61	229.94	1,443.43	-4.15	-7.16	8.09	0.660	5.18	0.658	2.121	8.27	-8.15	-1.43
1,472.33	1.79	230.33	1,472.10	-4.70	-7.81	8.94	0.189	3.87	0.188	0.408	9.11	-9.01	-1.37
1,501.03	1.70	239.63	1,500.79	-5.20	-8.52	9.80	0.310	112.24	-0.094	9.721	9.98	-9.98	0.18
1,529.68	1.70	236.08	1,529.42	-5.65	-9.24	10.64	0.110	-91.77	0.000	-3.717	10.83	-10.82	-0.47
1,558.19	1.93	249.44	1,557.92	-6.06	-10.04	11.50	0.505	68.26	0.242	14.058	11.73	-11.53	2.15
1,586.78	1.85	254.73	1,586.49	-6.35	-10.94	12.36	0.201	117.26	-0.084	5.551	12.65	-12.22	3.25
1,615.28	1.83	254.15	1,614.98	-6.59	-11.82	13.18	0.029	-137.33	-0.021	-0.611	13.53	-13.17	3.12
1,643.70	1.72	246.74	1,643.38	-6.89	-12.65	13.99	0.268	-119.28	-0.116	-7.822	14.40	-14.34	1.33
1,672.39	1.52	248.87	1,672.06	-7.19	-13.40	14.75	0.218	164.31	-0.209	2.227	15.21	-15.09	1.88
1,700.92	1.37	244.07	1,700.58	-7.48	-14.06	15.43	0.203	-143.48	-0.158	-5.047	15.92	-15.91	0.58
1,729.50	1.28	236.29	1,729.16	-7.81	-14.63	16.07	0.211	-120.43	-0.094	-8.167	16.58	-16.50	-1.63
1,758.09	1.50	236.34	1,757.74	-8.19	-15.21	16.76	0.231	0.34	0.231	0.052	17.27	-17.20	-1.61
1,786.70	1.62	221.00	1,786.34	-8.70	-15.78	17.53	0.454	-81.73	0.126	-16.085	18.02	-16.92	-6.20
1,842.50	2.54	216.65	1,842.10	-10.29	-17.04	19.53	0.501	-11.92	0.495	-2.339	19.91	-18.42	-7.53
1,899.69	3.01	226.83	1,899.22	-12.33	-18.89	22.27	0.356	51.52	0.247	5.340	22.56	-22.22	-3.93
1,956.77	3.30	233.23	1,956.22	-14.34	-21.30	25.41	0.240	53.76	0.152	3.364	25.68	-25.65	-1.26
2,014.13	3.29	227.14	2,013.48	-16.45	-23.83	28.69	0.183	-94.67	-0.005	-3.185	28.96	-28.66	-4.16
2,071.54	3.06	217.11	2,070.80	-18.79	-25.96	31.85	0.314	-117.45	-0.120	-5.241	32.05	-30.65	-9.38
2,100.25	3.45	219.06	2,099.47	-20.08	-26.97	33.46	0.424	16.82	0.408	2.038	32.62	-32.58	-8.30
2,128.87	4.08	217.65	2,128.03	-21.55	-28.13	35.31	0.667	-9.06	0.660	-1.478	35.44	-34.24	-9.13
2,157.61	3.45	211.56	2,156.70	-23.10	-29.21	37.15	0.778	-150.61	-0.658	-6.357	37.24	-34.96	-12.82
2,186.22	4.00	199.66	2,185.25	-24.77	-30.00	38.86	0.992	-60.61	0.577	-12.478	38.90	-33.40	-19.95
2,214.71	4.10	203.15	2,213.67	-26.64	-30.73	40.66	0.280	69.66	0.105	3.675	40.67	-36.56	-17.82
2,243.28	3.36	208.77	2,242.18	-28.32	-31.54	42.38	0.866	156.49	-0.777	5.901	42.38	-39.99	-14.04
2,271.79	2.05	200.01	2,270.66	-29.53	-32.11	43.62	1.442	-166.83	-1.378	-9.218	43.62	-38.73	-20.08
2,300.41	2.67	167.08	2,299.26	-30.66	-32.14	44.40	1.534	-82.48	0.650	-34.518	44.42	-22.68	-38.19
2,328.91	2.31	198.29	2,327.73	-31.85	-32.17	45.23	1.456	120.11	-0.379	32.853	45.27	-40.33	-20.56
2,357.60	1.98	221.03	2,356.40	-32.77	-32.68	46.23	0.947	122.30	-0.345	23.778	46.28	-46.17	-3.14
2,370.00	1.98	229.50	2,368.79	-33.07	-32.98	46.65	0.707	94.23	0.000	20.492	46.71	-46.56	3.73
2,386.32	2.09	245.18	2,385.10	-33.38	-33.46	47.22	1.040	86.73	0.202	28.824	47.27	-44.38	16.26
2,414.75	2.54	263.17	2,413.51	-33.67	-34.56	48.23	0.896	67.43	0.475	18.983	48.25	-38.31	29.34
2,443.57	2.70	265.47	2,442.30	-33.80	-35.87	49.28	0.199	34.46	0.167	2.394	49.29	-38.41	30.89
2,472.32	3.12	260.82	2,471.01	-33.98	-37.32	50.47	0.502	-31.67	0.438	-4.852	50.47	-42.24	27.62
2,501.02	3.58	261.12	2,499.67	-34.24	-38.98	51.87	0.481	2.33	0.481	0.314	51.88	-43.77	27.86
2,529.58	3.76	257.65	2,528.17	-34.58	-40.77	53.43	0.300	-52.72	0.189	-3.645	53.46	-47.20	25.10
2,558.22	4.67	246.81	2,556.73	-35.24	-42.76	55.34	1.263	-46.69	0.953	-11.355	55.41	-53.17	15.60
2,586.87	5.79	240.71	2,585.26	-36.41	-45.09	57.85	1.308	-29.46	1.173	-6.387	57.96	-57.13	9.74

Design Report for Maverick 1H - Maverick T463 A1

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	+N/-S (m)	+E/-W (m)	Vertical Section (m)	Dogleg Rate (°/30m)	Tooface Azimuth (°)	Build Rate (°/30m)	Turn Rate (°/30m)	Distance to Plan (m)	Y Offset to Plan (m)	X Offset to Plan (m)
2,615.58	6.96	233.71	2,613.79	-38.15	-47.76	60.99	1.466	-37.11	1.223	-7.315	61.12	-61.07	2.50
2,644.31	7.15	243.14	2,642.31	-39.99	-50.76	64.45	1.224	85.38	0.198	9.847	64.61	-63.33	12.84
2,672.96	7.47	257.46	2,670.73	-41.20	-54.17	67.78	1.932	87.19	0.335	14.995	68.05	-61.72	28.65
2,701.65	6.66	260.14	2,699.20	-41.89	-57.62	70.81	0.914	159.18	-0.847	2.802	71.24	-63.86	31.57
2,730.41	6.93	242.38	2,727.76	-42.98	-60.81	73.89	2.201	-91.55	0.282	-18.526	74.46	-73.79	9.96
2,759.31	8.21	229.24	2,756.41	-45.13	-63.91	77.64	2.227	-60.15	1.329	-13.640	78.24	-77.87	-7.62
2,787.98	8.97	221.39	2,784.76	-48.14	-66.94	81.91	1.460	-60.97	0.795	-8.214	82.46	-80.33	-18.61
2,816.63	9.16	218.34	2,813.05	-51.61	-69.83	86.38	0.541	-69.94	0.199	-3.194	86.83	-83.72	-23.03
2,845.25	9.55	217.49	2,841.29	-55.28	-72.69	90.96	0.434	-19.93	0.409	-0.891	91.32	-88.02	-24.35
2,873.99	9.95	222.15	2,869.61	-59.01	-75.81	95.78	0.923	65.43	0.418	4.864	96.07	-94.58	-16.85
2,902.45	9.33	216.59	2,897.67	-62.69	-78.83	100.49	1.178	-126.38	-0.654	-5.861	100.72	-97.24	-26.25
2,931.13	9.57	212.14	2,925.96	-66.57	-81.49	105.07	0.804	-74.02	0.251	-4.655	105.22	-99.58	-34.01
2,959.86	10.05	207.49	2,954.27	-70.82	-83.92	109.73	0.967	-61.10	0.501	-4.856	109.81	-101.33	-42.31
2,988.54	8.86	206.23	2,982.56	-75.02	-86.05	114.13	1.263	-170.75	-1.245	-1.318	114.16	-105.14	-44.48
3,017.28	7.78	210.99	3,011.00	-78.67	-88.03	118.06	1.336	149.81	-1.127	4.969	118.06	-112.68	-35.25
3,035.10	7.95	214.21	3,028.65	-80.73	-89.34	120.41	0.795	70.50	0.286	5.421	120.41	-116.93	-28.76
3,050.00	7.95	214.21	3,043.41	-82.43	-90.50	122.41	0.000	0.00	0.000	0.000	122.41	-118.99	-28.76

Design Annotations

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

Vertical Section Information

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

Survey tool program

From (m)	To (m)	Survey/Plan	Survey Tool
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	

Targets associated with this design

Target Name	TVD (°)	+N/-S (°)	+E/-W (°)	Shape
Average Dogleg over Survey:	0.552 °/30m			Maximum Dogleg over Survey: 2.227 °/30m at 2,759.31 m
Net Tortuosity applicable to Plans:	0.552 °/30m			Directional Difficulty Index: 4.423

Directional Difficulty Index

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 135.00°, 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)

