

**SURVEY MANAGEMENT****DEFINITIVE SURVEY SIGN-OFF**

Client:	Tamboran	Job No.:	O.1012816.03	Report Date:	20-Dec-22
Field:	Tamboran/Beetaloo Basin	Well Name:	Amungee NW-2H	Borehole:	Amungee NW-2H
Stru/Slot:	Amungee NW-2H/Amungee NW-2H	Survey:	Tamboran - Amungee NW-2H FINAL		

Structure Reference:	8192337.12	380980.01
	S 16° 20' 49.78242"	E 133° 53' 8.48780"
Slot Coordinates:	8192337.12	380980.01
	S 16° 20' 49.78242"	E 133° 53' 8.48780"
Structure/Slot Uncertainty:	0.00 m(3.00 sigma)	0.00 m(3.00 sigma)
Grid Coordinate System:	GDA94/MGA94 Zone 53	
TVD Reference Datum:	Borehole: RKB	
TVD Reference Elevation:	267.129 m above Australian Height Datum	
Seabed/GroundLevel:	260.229 m above Australian Height Datum	

Depth Units:	(m)	
Survey Date:	8-Sep-22	
Azimuth Reference:	Grid North	
Mag. Model / Mag. Decl. Date:	HDGM 2022	8-Sep-22
Magnetic Declination:	3.534 °	
Grid Convergence:	0.31366676 °	
Total Correction:	3.2205 °	
Vertical Section Origin:	0.000 m, 0.000 m	
Vertical Section Plane:	314.690 ° (Grid North)	

DEFINITIVE SURVEY CONSTRUCTION - ORIGINAL WELL

Instrument Type	Survey From	Survey To	Hole Size	Casing Size
SLB_MWD-STD-Depth Only	0.00	6.90		
SLB_MWD-STD	6.90	118.00	22.00	18.63
SLB_MWD-STD	118.00	486.00	30.00	13.38
SLB_MWD-STD	486.00	1768.00	12.25	9.63
SLB_MWD-STD	1768.00	3862.62	8.50	5.50
SLB_BLIND+TREND	3862.62	3883.00	8.50	5.50
	Projection to TD:	3883.00	Type: Straight	

WELL REFERENCE POINT LOCATION

MD	INC	AZ	TVD	VS	NS	EW	Northing	Easting	Latitude	Longitude
6.90	0.00	0.00	6.90	0.00	0.00	0.00	8192337.12	380980.01	S 16° 20' 49.78242"	E 133° 53' 8.48780"

BOTTOM HOLE LOCATION

MD	INC	AZ	TVD	VS	NS	EW	Northing	Easting	Latitude	Longitude
3883.00	89.14	313.98	2437.31	1523.51	1061.91	-1092.51	8193398.80	379887.74	S 16° 20' 15.04201"	E 133° 52' 31.87611"

BOTTOM HOLE LOCATION COMPARISON

MD	INC	AZ	TVD	VS	NS	EW	Northing	Easting	Latitude	Longitude

COMMENTS

The well position objectives have been met, all targets have been intersected as planned.

Well Position Declaration

Drilling Targets requirement met ?

Yes

DEFINITIVE SURVEY SIGNED OFF

For Schlumberger:	
Prepared By: (Sign)	
Name:	Hoan Van Luu
Position:	Senior Drilling Engineer
Date:	20-Dec-22

For Schlumberger:	
Checked By: (Sign)	
Name:	
Position:	
Date:	

For Client:	
Approved By: (Sign)	
Name:	Kaycee Verghese
Position:	Drilling Engineer
Date:	20-Dec-22

For Schlumberger:	
Checked By: (Sign)	
Name:	Chandra Kirithi Singam
Position:	Survey Specialist
Date:	20-Dec-22



Tamboran - Amungee NW-2H FINAL Survey Geodetic Report

(Def Survey)

Report Date: December 20, 2022 - 11:56 AM
Client: Tamboran
Field: Tamboran/Beataloo Basin
Structure / Slot: Amungee NW-2H / Amungee NW-2H
Well: Amungee NW-2H
Borehole: Amungee NW-2H
UWI / API#: Unknown / Unknown
Survey Name: Tamboran - Amungee NW-2H FINAL
Survey Date: September 08, 2022
Tort / AHD / DDI / ERD Ratio: 142.672 ° / 1561.071 m / 6.065 / 0.638
Coordinate Reference System: GDA94/MGA94 Zone 53
Location Lat / Long: S 16° 20' 49.78242", E 133° 53' 8.48780"
Location Grid N/E Y/X: N 8192337.120 m, E 380980.011 m
CRS Grid Convergence Angle: 0.3137 °
Grid Scale Factor: 0.99977517
Version / Patch: 2.10.834.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 314.690 ° (Grid North)
Vertical Section Origin: 0.000 m, 0.000 m
TVD Reference Datum: RKB
TVD Reference Elevation: 267.129 m above Australian Height Datum
Seabed / Ground Elevation: 260.229 m above Australian Height Datum
Magnetic Declination: 3.534 °
Total Gravity Field Strength: 997.6336mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48509.381 nT
Magnetic Dip Angle: -45.439 °
Declination Date: September 08, 2022
Magnetic Declination Model: HDGM 2022
North Reference: Grid North
Grid Convergence Used: 0.3137 °
Total Corr Mag North->Grid North: 3.2205 °
Local Coord Referenced To: Well Head

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	Northing (m)	Easting (m)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie in	0.00	0.00	315.00	0.00	-267.13	0.00	0.00	0.00	N/A	8192337.12	380980.01	S 16 20 49.78	E 133 53 8.49
Marker MudLine	6.90	0.00	0.00	6.90	-260.23	0.00	0.00	0.00	0.00	8192337.12	380980.01	S 16 20 49.78	E 133 53 8.49
18.625 in Casing	118.00	0.28	158.09	118.00	-149.13	-0.25	-0.25	0.10	0.08	8192336.87	380980.11	S 16 20 49.79	E 133 53 8.49
	122.42	0.29	158.09	122.42	-144.71	-0.27	-0.27	0.11	0.08	8192336.85	380980.12	S 16 20 49.79	E 133 53 8.49
	131.12	0.22	75.25	131.12	-136.01	-0.30	-0.29	0.13	1.18	8192336.83	380980.14	S 16 20 49.79	E 133 53 8.49
	140.48	0.48	50.72	140.48	-126.65	-0.31	-0.26	0.18	0.94	8192336.86	380980.19	S 16 20 49.79	E 133 53 8.49
	149.71	0.68	74.15	149.71	-117.42	-0.34	-0.22	0.26	1.00	8192336.90	380980.27	S 16 20 49.79	E 133 53 8.50
	159.21	0.90	57.42	159.21	-107.92	-0.39	-0.16	0.38	1.00	8192336.96	380980.39	S 16 20 49.79	E 133 53 8.50
	168.76	0.83	80.27	168.76	-98.37	-0.44	-0.11	0.51	1.10	8192337.01	380980.52	S 16 20 49.79	E 133 53 8.51
	197.19	0.84	78.47	197.18	-69.95	-0.68	-0.03	0.92	0.03	8192337.09	380980.93	S 16 20 49.78	E 133 53 8.52
	207.04	0.66	61.70	207.03	-60.10	-0.73	0.01	1.04	0.86	8192337.13	380981.05	S 16 20 49.78	E 133 53 8.52
	216.47	0.52	79.38	216.46	-50.67	-0.77	0.04	1.13	0.73	8192337.16	380981.14	S 16 20 49.78	E 133 53 8.53
	226.04	0.33	81.60	226.03	-41.10	-0.82	0.05	1.20	0.60	8192337.17	380981.21	S 16 20 49.78	E 133 53 8.53
	235.53	0.45	61.66	235.52	-31.61	-0.84	0.07	1.26	0.57	8192337.19	380981.27	S 16 20 49.78	E 133 53 8.53
	244.98	0.28	82.94	244.97	-22.16	-0.87	0.09	1.32	0.68	8192337.21	380981.33	S 16 20 49.78	E 133 53 8.53
	254.66	0.39	89.89	254.65	-12.48	-0.91	0.10	1.37	0.36	8192337.22	380981.38	S 16 20 49.78	E 133 53 8.53
	264.07	0.49	78.12	264.06	-3.07	-0.95	0.11	1.44	0.43	8192337.23	380981.45	S 16 20 49.78	E 133 53 8.54
	273.46	0.41	110.90	273.45	6.32	-1.00	0.10	1.51	0.85	8192337.22	380981.52	S 16 20 49.78	E 133 53 8.54
	282.76	0.48	104.64	282.75	15.62	-1.07	0.08	1.58	0.27	8192337.20	380981.59	S 16 20 49.78	E 133 53 8.54
	295.17	0.43	159.30	295.16	28.03	-1.16	0.02	1.65	1.02	8192337.14	380981.66	S 16 20 49.78	E 133 53 8.54
	309.11	0.39	110.97	309.10	41.97	-1.25	-0.04	1.71	0.73	8192337.08	380981.72	S 16 20 49.78	E 133 53 8.55
	322.55	0.28	130.99	322.54	55.41	-1.32	-0.08	1.78	0.36	8192337.04	380981.79	S 16 20 49.79	E 133 53 8.55
	335.77	0.34	134.01	335.76	68.63	-1.39	-0.13	1.83	0.14	8192336.99	380981.84	S 16 20 49.79	E 133 53 8.55
	348.92	0.39	108.74	348.91	81.78	-1.47	-0.17	1.90	0.38	8192336.95	380981.91	S 16 20 49.79	E 133 53 8.55
	362.08	0.37	131.50	362.07	94.94	-1.55	-0.21	1.98	0.34	8192336.91	380981.99	S 16 20 49.79	E 133 53 8.55
	375.28	0.52	126.31	375.27	108.14	-1.66	-0.28	2.06	0.35	8192336.84	380982.07	S 16 20 49.79	E 133 53 8.56
	388.74	0.66	121.30	388.73	121.60	-1.79	-0.35	2.17	0.33	8192336.77	380982.18	S 16 20 49.79	E 133 53 8.56
	401.87	0.59	120.79	401.86	134.73	-1.93	-0.43	2.30	0.16	8192336.69	380982.31	S 16 20 49.80	E 133 53 8.57
	415.21	0.52	124.92	415.20	148.07	-2.06	-0.50	2.40	0.18	8192336.62	380982.41	S 16 20 49.80	E 133 53 8.57
	428.57	0.43	124.77	428.56	161.43	-2.17	-0.56	2.49	0.20	8192336.56	380982.51	S 16 20 49.80	E 133 53 8.57
	441.74	0.32	142.35	441.73	174.60	-2.25	-0.62	2.56	0.36	8192336.50	380982.57	S 16 20 49.80	E 133 53 8.57
13.375 in Casing	486.00	0.22	101.71	485.99	218.86	-2.45	-0.73	2.72	0.14	8192336.39	380982.73	S 16 20 49.81	E 133 53 8.58
	507.17	0.23	76.03	507.16	240.03	-2.50	-0.73	2.80	0.14	8192336.39	380982.81	S 16 20 49.81	E 133 53 8.58
	520.41	0.26	61.51	520.40	253.27	-2.52	-0.71	2.85	0.16	8192336.41	380982.86	S 16 20 49.81	E 133 53 8.58
	533.41	0.24	56.57	533.40	266.27	-2.54	-0.68	2.90	0.07	8192336.44	380982.91	S 16 20 49.81	E 133 53 8.59
	546.71	0.28	73.84	546.69	279.57	-2.56	-0.66	2.95	0.20	8192336.46	380982.96	S 16 20 49.80	E 133 53 8.59
	560.16	0.26	72.32	560.14	293.02	-2.59	-0.64	3.01	0.05	8192336.48	380983.02	S 16 20 49.80	E 133 53 8.59
	573.18	0.26	47.79	573.16	306.04	-2.61	-0.61	3.06	0.25	8192336.51	380983.07	S 16 20 49.80	E 133 53 8.59
	586.09	0.23	49.01	586.07	318.95	-2.61	-0.57	3.10	0.07	8192336.55	380983.11	S 16 20 49.80	E 133 53 8.59
	599.42	0.22	53.91	599.40	332.28	-2.62	-0.54	3.15	0.05	8192336.58	380983.16	S 16 20 49.80	E 133 53 8.59
	613.00	0.36	50.48	612.98	345.86	-2.62	-0.50	3.20	0.31	8192336.62	380983.21	S 16 20 49.80	E 133 53 8.60
	626.24	0.27	59.99	626.22	359.10	-2.64	-0.45	3.26	0.24	8192336.67	380983.27	S 16 20 49.80	E 133 53 8.60
	639.35	0.40	50.59	639.33	372.20	-2.65	-0.41	3.32	0.32	8192336.71	380983.33	S 16 20 49.80	E 133 53 8.60
	652.61	0.39	50.49	652.59	385.46	-2.66	-0.35	3.39	0.02	8192336.77	380983.40	S 16 20 49.79	E 133 53 8.60
	679.20	0.45	50.22	679.18	412.05	-2.68	-0.23	3.54	0.07	8192336.89	380983.55	S 16 20 49.79	E 133 53 8.61
	706.03	0.42	78.34	706.01	438.88	-2.74	-0.14	3.72	0.24	8192336.98	380983.73	S 16 20 49.79	E 133 53 8.61
	718.91	0.45	74.25	718.89	451.76	-2.79	-0.12	3.81	0.10	8192337.00	380983.82	S 16 20 49.79	E 133 53 8.62
	732.48	0.42	70.74	732.38	465.25	-2.85	-0.09	3.91	0.08	8192337.03	380983.92	S 16 20 49.79	E 133 53 8.62
	745.61	0.35	73.19	745.59	478.46	-2.89	-0.07	4.00	0.17	8192337.05	380984.01	S 16 20 49.79	E 133 53 8.62
	758.80	0.40	90.24	758.78	491.65	-2.94	-0.06	4.08	0.27	8192337.06	380984.09	S 16 20 49.79	E 133 53 8.63
	772.11	0.40	96.05	772.09	504.96	-3.01	-0.06	4.18	0.09	8192337.06	380984.19	S 16 20 49.79	E 133 53 8.63
	785.19	0.35	97.07	785.17	518.04	-3.08	-0.07	4.26	0.12	8192337.05	380984.27	S 16 20 49.79	E 133 53 8.63
	824.75	0.40	86.63	824.73	557.60	-3.27	-0.08	4.52	0.06	8192337.04	380984.53	S 16 20 49.79	E 133 53 8.64
	839.02	0.42	84.12	839.00	571.87	-3.33	-0.07	4.62	0.06	8192337.05	380984.63	S 16 20 49.79	E 133 53 8.64
	851.31	0.49	74.53	851.29	584.16	-3.39	-0.05	4.72	0.25	8192337.07	380984.73	S 16 20 49.78	E 133 53 8.65
	864.35	0.49	69.12	864.33	597.20	-3.44	-0.02	4.82	0.11	8192337.10	380984.83	S 16 20 49.78	E 133 53 8.65
	877.77	0.55	79.20	877.75	610.62	-3.50	0.01	4.94	0.24	8192337.13	380984.95	S 16 20 49.78	E 133 53 8.65
	890.75	0.50	77.55	890.73	623.60	-3.57	0.04	5.05	0.12	8192337.16	380985.06	S 16 20 49.78	E 133 53 8.66
	903.78	0.49	74.73	903.76	636.63	-3.63	0.07	5.16	0.06	8192337.19	380985.17	S 16 20 49.78	E 133 53 8.66
	930.55	0.59	72.96	930.53	663.40	-3.75	0.14	5.41	0.11	8192337.26	380985.42	S 16 20 49.78	E 133 53 8.67
	943.90	0.66	81.61	943.87	676.75	-3.83	0.17	5.55	0.26	8192337.29	380985.56	S 16 20 49.78	E 133 53 8.67
	957.13	0.55	88.18	957.10	689.97	-3.92	0.18	5.69	0.29	8192337.30	380985.70	S 16 20 49.78	E 133 53 8.68
	983.24	0.47	80.59	983.21	716.08	-4.06	0.20	5.92	0.12	8192337.32	380985.93	S 16 20 49.78	E 133 53 8.69
	996.65	0.32	94.18	996.62	729.49	-4.13	0.21	6.01	0.39	8192337.33	380986.02	S 16 20 49.78	E 133 53 8.69
	1010.14	0.28	95.57	1010.11	742.98	-4.18	0.20	6.08	0.09	8192337.32	380986.09	S 16 20 49.78	E 133 53 8.69
	1023.26	0.23	98.18	1023.23	756.10	-4.23	0.20	6.14	0.12	8192337.32	380986.15	S 16 20 49.78	E 133 53 8.69
	1036.78	0.15	153.66	1036.75	769.62	-4.26	0.17	6.17	0.42	8192337.29	380986.18	S 16 20 49.78	E 133 53 8.70
	1063.27	0.17	146.54	1063.24	796.11	-4.34	0.11	6.21	0.03	8192337.23	380986.22	S 16 20 49.78	E 133 53 8.70
	1089.83	0.19	176.24	1089.80	822.67	-4.41	0.03	6.23	0.11	8192337.15	380986.24	S 16 20 49.78	

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	Northing (m)	Easting (m)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	1327.61	0.72	82.09	1327.57	1060.45	-5.49	-0.32	7.41	0.22	8192336.80	380987.42	S 16 20 49.79	E 133 53 8.74
	1340.89	0.66	86.20	1340.85	1073.72	-5.59	-0.30	7.57	0.18	8192336.82	380987.58	S 16 20 49.79	E 133 53 8.74
	1353.90	0.71	88.59	1353.86	1086.73	-5.70	-0.30	7.72	0.13	8192336.82	380987.73	S 16 20 49.79	E 133 53 8.75
	1368.02	0.70	93.13	1367.98	1100.85	-5.82	-0.30	7.90	0.12	8192336.82	380987.91	S 16 20 49.79	E 133 53 8.75
	1381.33	0.76	90.55	1381.29	1114.16	-5.95	-0.30	8.07	0.15	8192336.82	380988.08	S 16 20 49.79	E 133 53 8.76
	1394.74	0.80	99.38	1394.70	1127.57	-6.09	-0.32	8.25	0.28	8192336.80	380988.26	S 16 20 49.79	E 133 53 8.77
	1407.89	0.76	101.41	1407.85	1140.72	-6.24	-0.35	8.42	0.11	8192336.77	380988.43	S 16 20 49.80	E 133 53 8.77
	1420.29	0.74	106.60	1420.25	1153.12	-6.38	-0.39	8.58	0.17	8192336.73	380988.59	S 16 20 49.80	E 133 53 8.78
	1433.49	0.73	106.20	1433.45	1166.32	-6.53	-0.44	8.74	0.03	8192336.68	380988.75	S 16 20 49.80	E 133 53 8.78
	1447.34	0.73	103.32	1447.29	1180.17	-6.68	-0.48	8.92	0.08	8192336.64	380988.92	S 16 20 49.80	E 133 53 8.79
	1461.19	0.82	99.04	1461.14	1194.01	-6.83	-0.52	9.10	0.23	8192336.60	380989.11	S 16 20 49.80	E 133 53 8.79
	1473.84	0.75	99.62	1473.79	1206.66	-6.98	-0.55	9.27	0.17	8192336.57	380989.28	S 16 20 49.80	E 133 53 8.80
	1487.04	0.65	100.53	1486.99	1219.86	-7.11	-0.58	9.43	0.23	8192336.54	380989.44	S 16 20 49.80	E 133 53 8.81
	1500.04	0.60	97.36	1499.99	1232.86	-7.22	-0.60	9.57	0.14	8192336.52	380989.58	S 16 20 49.80	E 133 53 8.81
	1513.13	0.44	97.47	1513.08	1245.95	-7.32	-0.61	9.69	0.37	8192336.51	380989.70	S 16 20 49.80	E 133 53 8.81
	1526.17	0.37	93.12	1526.12	1258.99	-7.39	-0.62	9.78	0.18	8192336.50	380989.79	S 16 20 49.80	E 133 53 8.82
	1539.88	0.32	80.51	1539.83	1272.70	-7.44	-0.62	9.86	0.20	8192336.50	380989.87	S 16 20 49.80	E 133 53 8.82
	1553.52	0.32	69.07	1553.47	1286.34	-7.48	-0.60	9.93	0.14	8192336.52	380989.94	S 16 20 49.80	E 133 53 8.82
	1565.98	0.26	80.67	1565.93	1298.80	-7.51	-0.58	9.99	0.20	8192336.54	380990.00	S 16 20 49.80	E 133 53 8.82
	1578.98	0.30	90.90	1578.93	1311.80	-7.56	-0.58	10.06	0.15	8192336.54	380990.07	S 16 20 49.80	E 133 53 8.83
	1592.84	0.40	80.38	1592.79	1325.66	-7.61	-0.57	10.14	0.26	8192336.55	380990.15	S 16 20 49.80	E 133 53 8.83
	1606.01	0.42	92.60	1605.96	1338.83	-7.67	-0.56	10.24	0.21	8192336.56	380990.24	S 16 20 49.80	E 133 53 8.83
	1619.25	0.50	85.40	1619.20	1352.07	-7.75	-0.56	10.34	0.21	8192336.56	380990.35	S 16 20 49.80	E 133 53 8.84
	1634.16	0.57	75.33	1634.11	1366.98	-7.83	-0.54	10.48	0.24	8192336.58	380990.49	S 16 20 49.80	E 133 53 8.84
	1659.04	0.58	74.00	1658.99	1381.86	-7.95	-0.47	10.72	0.02	8192336.65	380990.73	S 16 20 49.80	E 133 53 8.85
	1672.25	0.63	75.26	1672.20	1405.07	-8.02	-0.44	10.85	0.12	8192336.68	380990.86	S 16 20 49.80	E 133 53 8.85
	1686.24	0.73	86.89	1686.18	1419.06	-8.12	-0.41	11.02	0.36	8192336.71	380991.03	S 16 20 49.80	E 133 53 8.86
	1699.28	0.64	95.56	1699.22	1432.09	-8.23	-0.41	11.17	0.32	8192336.71	380991.18	S 16 20 49.80	E 133 53 8.86
	1712.63	0.62	99.14	1712.57	1445.44	-8.35	-0.43	11.32	0.10	8192336.69	380991.33	S 16 20 49.80	E 133 53 8.87
	1725.83	0.67	102.54	1725.77	1458.64	-8.47	-0.46	11.46	0.14	8192336.66	380991.47	S 16 20 49.80	E 133 53 8.87
	1738.81	0.59	110.42	1738.75	1471.62	-8.60	-0.50	11.60	0.27	8192336.62	380991.61	S 16 20 49.80	E 133 53 8.88
9.625 in Casing	1768.00	0.67	106.39	1767.94	1500.81	-8.89	-0.60	11.91	0.09	8192336.52	380991.91	S 16 20 49.80	E 133 53 8.89
	1790.50	0.73	103.88	1790.44	1523.31	-9.12	-0.67	12.17	0.09	8192336.45	380992.18	S 16 20 49.81	E 133 53 8.90
	1803.57	0.73	101.47	1803.51	1536.38	-9.27	-0.71	12.33	0.07	8192336.41	380992.34	S 16 20 49.81	E 133 53 8.90
	1816.43	0.69	117.03	1816.37	1549.24	-9.41	-0.76	12.48	0.46	8192336.36	380992.49	S 16 20 49.81	E 133 53 8.91
	1830.06	0.72	119.33	1829.99	1562.87	-9.57	-0.84	12.63	0.09	8192336.28	380992.64	S 16 20 49.81	E 133 53 8.91
	1843.38	0.97	114.84	1843.31	1576.18	-9.76	-0.93	12.81	0.58	8192336.19	380992.81	S 16 20 49.81	E 133 53 8.92
	1856.73	0.97	122.61	1856.66	1589.53	-9.97	-1.04	13.00	0.30	8192336.08	380993.01	S 16 20 49.82	E 133 53 8.93
	1869.65	1.13	125.64	1869.58	1602.45	-10.19	-1.16	13.19	0.19	8192335.96	380993.20	S 16 20 49.82	E 133 53 8.93
	1883.58	1.03	133.03	1883.51	1615.38	-10.46	-1.33	13.39	0.37	8192335.79	380993.48	S 16 20 49.83	E 133 53 8.94
	1896.33	1.28	135.16	1896.25	1629.12	-10.72	-1.51	13.59	0.36	8192335.61	380993.60	S 16 20 49.83	E 133 53 8.95
	1909.12	1.39	129.52	1909.04	1641.91	-11.02	-1.71	13.81	0.30	8192335.42	380993.82	S 16 20 49.84	E 133 53 8.95
	1922.31	1.44	129.84	1922.23	1655.10	-11.34	-1.91	14.07	0.12	8192335.21	380994.07	S 16 20 49.85	E 133 53 8.96
	1935.65	1.32	132.78	1935.56	1668.43	-11.67	-2.12	14.31	0.31	8192335.00	380994.31	S 16 20 49.85	E 133 53 8.97
	1948.86	0.53	127.99	1948.77	1681.64	-11.88	-2.27	14.47	1.80	8192334.85	380994.47	S 16 20 49.86	E 133 53 8.97
	1962.13	0.55	122.28	1962.04	1694.91	-12.00	-2.34	14.57	0.13	8192334.78	380994.58	S 16 20 49.86	E 133 53 8.98
	1975.48	0.55	117.98	1975.39	1708.26	-12.13	-2.40	14.68	0.09	8192334.72	380994.69	S 16 20 49.86	E 133 53 8.98
	1988.78	0.84	130.64	1988.69	1721.56	-12.28	-2.50	14.81	0.74	8192334.63	380994.82	S 16 20 49.87	E 133 53 8.99
	2001.78	0.95	131.79	2001.69	1734.56	-12.49	-2.63	14.96	0.26	8192334.49	380994.97	S 16 20 49.87	E 133 53 8.99
	2015.14	1.08	137.81	2015.04	1747.92	-12.72	-2.80	15.13	0.38	8192334.32	380995.14	S 16 20 49.88	E 133 53 9.00
	2028.20	1.09	137.91	2028.10	1760.97	-12.97	-2.98	15.30	0.02	8192334.14	380995.30	S 16 20 49.88	E 133 53 9.00
	2033.46	1.18	135.06	2033.36	1766.23	-13.07	-3.06	15.37	0.61	8192334.07	380995.37	S 16 20 49.88	E 133 53 9.00
	2041.68	1.03	141.32	2041.58	1774.45	-13.23	-3.17	15.47	0.70	8192333.95	380995.48	S 16 20 49.89	E 133 53 9.01
	2055.05	0.75	162.72	2054.95	1787.82	-13.43	-3.35	15.57	0.96	8192333.77	380995.58	S 16 20 49.89	E 133 53 9.01
	2068.55	0.81	158.42	2068.45	1801.32	-13.59	-3.52	15.64	0.19	8192333.60	380995.64	S 16 20 49.90	E 133 53 9.01
	2081.85	0.97	159.98	2081.75	1814.62	-13.78	-3.71	15.71	0.25	8192333.45	380995.71	S 16 20 49.91	E 133 53 9.02
	2095.30	1.02	162.52	2095.19	1828.06	-13.98	-3.93	15.78	0.35	8192333.19	380995.79	S 16 20 49.91	E 133 53 9.02
	2108.61	1.04	171.25	2108.50	1841.37	-14.19	-4.17	15.84	0.37	8192332.95	380995.84	S 16 20 49.92	E 133 53 9.02
	2121.62	1.52	152.13	2121.51	1854.38	-14.45	-4.44	15.94	1.47	8192332.68	380995.94	S 16 20 49.93	E 133 53 9.02
	2135.06	1.46	150.33	2134.94	1867.81	-14.79	-4.75	16.10	0.17	8192332.38	380996.11	S 16 20 49.94	E 133 53 9.03
	2148.99	0.92	146.49	2148.87	1881.74	-15.07	-4.99	16.25	1.17	8192332.13	380996.26	S 16 20 49.95	E 133 53 9.03
	2162.16	1.05	271.21	2162.04	1894.91	-15.08	-5.08	16.19	3.98	8192332.04	380996.20	S 16 20 49.95	E 133 53 9.03
	2174.97	3.71	302.25	2174.84	1907.71	-14.59	-4.85	15.72	6.70	8192332.27	380995.73	S 16 20 49.94	E 133 53 9.02
	2187.74	5.77	310.45	2187.56	1920.43	-13.55	-4.22	14.89	5.08	8192332.90	380994.89	S 16 20 49.92	E 133 53 8.99
	2200.87	5.84	312.62	2200.63	1933.50	-12.22	-3.34	13.89	0.53	8192333.78	380993.90	S 16 20 49.89	E 133 53 8.96
	2213.79	6.83	313.88	2213.47	1946.34	-10.80	-2.36	12.85	2.32	8192334.76	380992.86	S 16 20 49.86	E 133 53 8.92
	2227.28	8.88	314.90	2226.83	1959.70	-8.95	-1.07	11.54	4.57	8192336.05	380991.55	S 16 20 49.82	E 133 53 8.88
	2241.13	11.43	320.15	2240.46	1973.33	-6.52	0.74	9.90	5.87	8192337.86	380989.91	S 16 20 49.76	E 133 53 8.82
	2253.50	13.43	329.12	2252.54	1985.41	-3.91	2.91	8.38	6.73	8192340.03	380988.39	S 16 20 49.69	E 133 53 8.77
	2266.57	14.11	333.72	2265.24	1998.11	-0.93	5.65	6.89	2.96	8192342.76	380986.90	S 16 20 49.60	E 133 53 8.72
	2280.05	14.83	342.65	2278.29	2011.16	2.15	8.77	5.65	5.21	8192345.88	380985.66	S 16 20 49.50	E 133 53 8.68
	2292.99	16.27	344.48	2290.76	2023.63	5.18	12.09	4.67	3.53	8192349.21	380984.68	S 16 20 49.39	E 133 53 8.65
	2306.62	19.07	335.71	2305.62	2036.82	8.92	15.96	3.25	8.49	8192353.08	380983.29	S 16 20 49.26	E 133 53 8.60
	2319.69	22.24	331.44	2316.16	2049.03	13.35	20.15	1.15	7.93	8192357.26	380981.16	S 16 20 48.13	

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	Northing (m)	Easting (m)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	2912.15	91.20	312.02	2440.07	2172.95	552.93	389.42	-392.54	0.09	8192726.45	380587.56	S 16 20 37.04	E 133 52 55.33
	2925.60	91.18	312.08	2439.80	2172.67	566.37	398.42	-402.53	0.14	8192735.45	380577.57	S 16 20 36.75	E 133 52 55.00
	2938.69	91.18	312.04	2439.53	2172.40	579.44	407.19	-412.25	0.09	8192744.22	380567.86	S 16 20 36.46	E 133 52 54.67
	2952.06	91.32	312.30	2439.23	2172.11	592.79	416.16	-422.15	0.66	8192753.19	380557.95	S 16 20 36.17	E 133 52 54.34
	2965.29	91.03	313.61	2438.96	2171.83	606.01	425.18	-431.83	3.04	8192762.20	380548.28	S 16 20 35.87	E 133 52 54.02
	2978.26	90.72	313.65	2438.77	2171.64	618.98	434.13	-441.22	0.72	8192771.15	380538.89	S 16 20 35.58	E 133 52 53.70
	2990.63	90.86	313.94	2438.59	2171.47	631.35	442.69	-450.15	0.78	8192779.71	380529.96	S 16 20 35.30	E 133 52 53.40
	3004.25	90.23	313.82	2438.46	2171.34	644.97	452.13	-459.96	1.41	8192788.14	380520.15	S 16 20 34.99	E 133 52 53.07
	3016.39	90.29	313.94	2438.41	2171.28	657.10	460.54	-468.71	0.33	8192797.56	380511.40	S 16 20 34.72	E 133 52 52.78
	3029.34	90.26	313.98	2438.35	2171.22	670.05	469.53	-478.04	0.12	8192806.54	380502.08	S 16 20 34.42	E 133 52 52.47
	3044.66	90.11	313.97	2438.30	2171.17	685.37	480.17	-489.06	0.29	8192817.18	380491.06	S 16 20 34.07	E 133 52 52.10
	3057.40	90.26	313.99	2438.26	2171.13	698.11	489.01	-498.23	0.36	8192826.02	380481.89	S 16 20 33.79	E 133 52 51.79
	3067.63	89.71	313.73	2438.26	2171.13	708.34	496.10	-505.60	1.78	8192833.11	380474.52	S 16 20 33.55	E 133 52 51.54
	3080.41	88.60	313.92	2438.45	2171.32	721.12	504.95	-514.82	2.64	8192841.96	380465.30	S 16 20 33.26	E 133 52 51.24
	3095.92	88.19	314.11	2438.88	2171.75	736.62	515.72	-525.97	0.87	8192852.73	380454.16	S 16 20 32.91	E 133 52 50.86
	3110.30	88.19	314.00	2439.34	2172.21	750.99	525.72	-536.30	0.23	8192862.72	380443.83	S 16 20 32.58	E 133 52 50.52
	3123.15	88.11	314.11	2439.75	2172.62	763.83	534.65	-545.53	0.32	8192871.65	380434.60	S 16 20 32.29	E 133 52 50.21
	3136.63	88.19	314.28	2440.19	2173.06	777.31	544.04	-555.19	0.42	8192881.04	380424.94	S 16 20 31.99	E 133 52 49.88
	3150.47	88.05	314.18	2440.64	2173.51	791.14	553.69	-565.10	0.37	8192890.68	380415.03	S 16 20 31.67	E 133 52 49.55
	3163.90	88.22	314.22	2441.08	2173.95	804.56	563.05	-574.73	0.39	8192900.04	380405.41	S 16 20 31.36	E 133 52 49.23
	3177.19	89.00	314.06	2441.40	2174.27	817.85	572.30	-584.26	1.80	8192909.29	380395.88	S 16 20 31.06	E 133 52 48.91
	3190.34	89.25	314.21	2441.60	2174.47	830.99	581.46	-593.70	0.67	8192918.45	380386.45	S 16 20 30.76	E 133 52 48.59
	3203.56	89.66	313.63	2441.73	2174.60	844.21	590.64	-603.20	1.27	8192927.63	380376.94	S 16 20 30.46	E 133 52 48.27
	3216.81	90.23	313.99	2441.74	2174.61	857.46	599.83	-612.75	1.34	8192936.82	380367.40	S 16 20 30.16	E 133 52 47.95
	3243.35	90.23	314.11	2441.63	2174.50	884.00	618.28	-631.83	0.14	8192955.27	380348.33	S 16 20 29.56	E 133 52 47.31
	3256.67	90.23	314.24	2441.58	2174.45	897.32	627.57	-641.38	0.29	8192964.54	380338.78	S 16 20 29.25	E 133 52 46.99
	3269.79	90.23	314.14	2441.53	2174.40	910.44	636.71	-650.79	0.23	8192973.69	380329.37	S 16 20 28.95	E 133 52 46.68
	3283.06	90.23	314.12	2441.47	2174.34	923.71	645.95	-660.31	0.05	8192982.93	380319.85	S 16 20 28.65	E 133 52 46.36
	3296.42	90.17	314.26	2441.43	2174.30	937.07	655.26	-668.89	0.34	8192992.24	380310.27	S 16 20 28.35	E 133 52 46.04
	3309.39	90.14	314.11	2441.39	2174.26	950.04	664.30	-679.19	0.35	8193001.27	380300.97	S 16 20 28.05	E 133 52 45.73
	3322.61	90.09	313.99	2441.37	2174.24	963.26	673.49	-688.69	0.30	8193010.46	380291.47	S 16 20 27.75	E 133 52 45.41
	3335.80	90.20	313.98	2441.33	2174.20	976.44	682.65	-698.18	0.25	8193019.62	380281.99	S 16 20 27.45	E 133 52 45.09
	3348.54	90.23	313.90	2441.28	2174.16	989.18	691.49	-707.36	0.20	8193028.46	380272.81	S 16 20 27.16	E 133 52 44.78
	3362.34	90.17	313.71	2441.24	2174.11	1002.98	701.05	-717.32	0.43	8193038.01	380262.86	S 16 20 26.85	E 133 52 44.45
	3375.52	90.26	313.98	2441.19	2174.06	1016.16	710.18	-726.82	0.65	8193047.14	380253.35	S 16 20 26.55	E 133 52 44.13
	3388.62	90.17	314.01	2441.14	2174.01	1029.26	719.28	-736.25	0.22	8193056.23	380243.93	S 16 20 26.25	E 133 52 43.82
	3402.05	90.20	313.96	2441.09	2173.97	1042.69	728.60	-745.91	0.13	8193065.56	380234.27	S 16 20 25.95	E 133 52 43.49
	3414.46	90.23	313.95	2441.05	2173.92	1055.10	737.22	-754.84	0.08	8193074.17	380225.34	S 16 20 25.67	E 133 52 43.19
	3427.97	90.17	313.95	2441.00	2173.87	1068.61	746.59	-764.57	0.13	8193083.55	380215.61	S 16 20 25.36	E 133 52 42.87
	3441.15	90.37	314.18	2440.94	2173.81	1081.78	755.76	-774.04	0.69	8193092.71	380206.15	S 16 20 25.06	E 133 52 42.55
	3455.00	90.83	313.98	2440.79	2173.66	1095.63	765.39	-783.99	1.09	8193102.34	380196.20	S 16 20 24.74	E 133 52 42.22
	3468.34	90.75	313.95	2440.65	2173.52	1105.97	772.57	-791.43	0.25	8193109.52	380186.76	S 16 20 24.51	E 133 52 41.97
	3481.34	90.77	313.90	2440.44	2173.31	1121.97	783.67	-802.95	0.10	8193120.61	380177.24	S 16 20 24.15	E 133 52 41.58
	3494.69	90.75	313.85	2440.26	2173.13	1135.32	792.92	-812.57	0.12	8193129.86	380167.62	S 16 20 23.84	E 133 52 41.26
	3508.01	91.32	313.96	2440.02	2172.89	1148.63	802.16	-822.17	1.31	8193139.10	380158.03	S 16 20 23.54	E 133 52 40.94
	3520.94	91.63	313.65	2439.69	2172.56	1161.56	811.10	-831.50	1.02	8193148.04	380148.70	S 16 20 23.25	E 133 52 40.62
	3534.08	91.58	313.40	2439.32	2172.19	1174.69	820.15	-841.02	0.58	8193157.09	380139.18	S 16 20 22.95	E 133 52 40.30
	3547.83	91.66	313.78	2438.93	2171.80	1188.43	829.63	-850.98	0.85	8193166.56	380129.23	S 16 20 22.64	E 133 52 39.97
	3561.44	91.69	313.71	2438.53	2171.40	1202.03	839.03	-860.81	0.17	8193175.96	380119.40	S 16 20 22.33	E 133 52 39.64
	3574.47	91.75	313.89	2438.14	2171.01	1215.06	848.05	-870.21	0.44	8193184.98	380110.00	S 16 20 22.04	E 133 52 39.33
	3587.77	91.72	313.83	2437.74	2170.61	1228.35	857.26	-879.79	0.15	8193194.19	380100.42	S 16 20 21.74	E 133 52 39.00
	3600.88	91.69	314.05	2437.35	2170.22	1241.45	866.35	-889.23	0.51	8193203.28	380090.98	S 16 20 21.44	E 133 52 38.69
	3614.27	91.69	313.87	2436.95	2169.83	1254.83	875.64	-898.86	0.40	8193212.57	380081.35	S 16 20 21.14	E 133 52 38.37
	3627.48	91.63	313.87	2436.57	2169.44	1268.04	884.79	-908.38	0.14	8193221.71	380071.83	S 16 20 20.84	E 133 52 38.05
	3653.86	90.55	313.78	2436.07	2168.94	1294.41	903.06	-927.41	1.23	8193239.97	380052.81	S 16 20 20.24	E 133 52 37.41
	3680.51	90.69	313.99	2435.78	2168.65	1321.05	921.53	-946.62	0.28	8193258.44	380033.61	S 16 20 19.64	E 133 52 36.77
	3693.67	90.60	313.72	2435.63	2168.50	1334.21	930.65	-956.10	0.65	8193267.56	380024.12	S 16 20 19.34	E 133 52 36.45
	3703.08	90.66	313.79	2435.53	2168.40	1343.62	937.15	-962.90	0.29	8193274.06	380017.33	S 16 20 19.12	E 133 52 36.22
	3712.75	90.69	313.62	2435.42	2168.29	1353.29	943.84	-968.89	0.54	8193280.74	380010.34	S 16 20 18.91	E 133 52 35.99
	3721.44	90.66	313.72	2435.31	2168.18	1361.98	949.84	-976.18	0.36	8193286.74	380004.05	S 16 20 18.71	E 133 52 35.77
	3730.61	90.43	313.61	2435.23	2168.10	1371.14	956.17	-982.81	0.83	8193293.07	379997.42	S 16 20 18.50	E 133 52 35.55
	3739.90	89.66	313.59	2435.22	2168.09	1380.43	962.57	-989.54	2.49	8193299.48	379990.70	S 16 20 18.29	E 133 52 35.33
	3749.41	89.23	313.72	2435.31	2168.18	1389.94	969.14	-996.42	1.42	8193306.04	379983.82	S 16 20 18.08	E 133 52 35.10
	3758.94	89.23	314.01	2435.44	2168.31	1399.47	975.74	-1003.29	0.91	8193312.64	379976.95	S 16 20 17.86	E 133 52 34.87
	3768.49	89.23	313.99	2435.57	2168.44	1409.02	982.37	-1010.16	0.06	8193319.27	379970.08	S 16 20 17.64	E 133 52 34.64
	3777.43	89.00	313.77	2435.71	2168.58	1417.96	988.57	-1016.60	1.07	8193325.47	379963.64	S 16 20 17.44	E 133 52 34.42
	3786.94	89.05	313.89	2435.87	2168.74	1427.46	995.16	-1023.46	0.41	8193332.05	379956.78	S 16 20 17.23	E 133 52 34.19
	3796.08	89.14	314.00	2436.01	2168.88	1436.60	1001.50	-1030.04	0.47	8193338.39	379950.20	S 16 20 17.02	E 133 52 33.97
	3805.50	89.14	314.09	2436.15	2169.02	1446.02	1008.05	-1036.81	0.29	8193344.94	379943.44	S 16 20 16.80	E 133 52 33.74
	3815.08	89.08	313.93	2436.30	2169.17	1455.60	1014.70	-1043.70	0.54	8193351.59	379936.55	S 16 20 16.59	E 133 52 33.51
	3824.50	89.08	313.99	2436.45	2169.32	1465.02	1021.24	-1050.48	0.19	81			



Tamboran - Amungee NW-2H FINAL Survey EOU Report

(Def Survey)

Report Date: December 20, 2022 - 11:58 AM
Client: Tamboran
Field: Tamboran/Beetaloo Basin
Structure / Slot: Amungee NW-2H / Amungee NW-2H
Well: Amungee NW-2H
Borehole: Amungee NW-2H
UWI / API#: Unknown / Unknown
Survey Name: Tamboran - Amungee NW-2H FINAL
Survey Date: September 08, 2022
Tort / AHD / DDI / ERD Ratio: 142.672 ° / 1561.071 m / 6.065 / 0.638
Coordinate Reference System: GDA94/MGA94 Zone 53
Location Lat / Long: S 16° 20' 49.78242", E 133° 53' 8.48780"
Location Grid N/E Y/X: N 8192337.120 m, E 380980.011 m
CRS Grid Convergence Angle: 0.3137 °
Grid Scale Factor: 0.99977517
Version / Patch: 2.10.834.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 314.690 ° (Grid North)
Vertical Section Origin: 0.000 m, 0.000 m
TVD Reference Datum: RKB
TVD Reference Elevation: 267.129 m above Australian Height Datum
Seabed / Ground Elevation: 260.229 m above Australian Height Datum
Magnetic Declination: 3.534 °
Total Gravity Field Strength: 997.6336mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48509.381 nT
Magnetic Dip Angle: -45.439 °
Declination Date: September 08, 2022
Magnetic Declination Model: HDGM 2022
North Reference: Grid North
Grid Convergence Used: 0.3137 °
Total Corr Mag North->Grid North: 3.2205 °
Local Coord Referenced To: Well Head

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	AD EOU Semi- Major Axis NEV (m)	AD EOU Semi- Minor Axis NEV (m)	AD EOU Unc Vertical (m)	AD EOU Semi- Major Azimuth NEV (°)	AD Survey Tool
Tie in	0.00	0.00	315.00	0.00	-267.13	0.00	0.00	0.00	N/A	0.28	0.28	0.00	45.00 MWD-STD-Depth	
Marker MudLine	6.90	0.00	0.00	6.90	-260.23	0.00	0.00	0.00	0.00	0.28	0.28	0.98	90.00 MWD-STD-Depth	
18.625 in Casing	118.00	0.28	158.09	118.00	-149.13	-0.25	-0.25	0.10	0.08	0.55	0.55	0.98	168.32 SLB_MWD-STD	
122.42	0.29	158.09	122.42	-144.71	-0.27	-0.27	0.11	0.08	0.65	0.65	0.98	167.67 SLB_MWD-STD		
131.12	0.22	75.25	131.12	-136.01	-0.30	-0.29	0.13	1.18	0.65	0.65	0.98	172.06 SLB_MWD-STD		
140.48	0.48	50.72	140.48	-126.65	-0.31	-0.26	0.18	0.94	0.66	0.66	0.98	206.27 SLB_MWD-STD		
149.71	0.68	74.15	149.71	-117.42	-0.34	-0.22	0.26	1.00	0.66	0.66	0.98	193.27 SLB_MWD-STD		
159.21	0.90	57.42	159.21	-107.92	-0.39	-0.16	0.38	1.00	0.66	0.66	0.98	213.43 SLB_MWD-STD		
168.76	0.83	80.27	168.76	-98.37	-0.44	-0.11	0.51	1.10	0.67	0.67	0.98	189.03 SLB_MWD-STD		
197.19	0.84	78.47	197.18	-69.95	-0.68	-0.03	0.92	0.03	0.67	0.67	0.99	173.84 SLB_MWD-STD		
207.04	0.66	61.70	207.03	-60.73	-0.01	1.04	0.86	0.67	0.67	0.67	0.99	165.39 SLB_MWD-STD		
216.47	0.52	79.38	216.46	-50.67	-0.04	1.13	0.73	0.67	0.67	0.67	0.99	173.31 SLB_MWD-STD		
226.04	0.33	81.60	226.03	-41.10	-0.82	0.05	1.20	0.60	0.66	0.66	0.99	174.01 SLB_MWD-STD		
235.53	0.45	61.66	235.52	-31.61	-0.84	0.07	1.26	0.57	0.66	0.66	0.99	164.41 SLB_MWD-STD		
244.98	0.28	82.94	244.97	-22.16	-0.87	0.09	1.32	0.68	0.66	0.66	0.99	174.23 SLB_MWD-STD		
254.66	0.39	89.89	254.65	-12.48	-0.91	0.10	1.37	0.36	0.66	0.66	0.99	178.03 SLB_MWD-STD		
264.07	0.49	78.12	264.06	-3.07	-0.95	0.11	1.44	0.43	0.66	0.66	0.99	170.97 SLB_MWD-STD		
273.46	0.41	110.90	273.45	6.32	-1.00	0.10	1.51	0.85	0.66	0.66	1.00	187.22 SLB_MWD-STD		
282.76	0.48	104.64	282.75	15.62	-1.07	0.08	1.58	0.27	0.67	0.66	1.00	185.48 SLB_MWD-STD		
295.17	0.43	159.30	295.16	28.03	-1.16	0.02	1.65	1.02	0.67	0.67	1.00	168.01 SLB_MWD-STD		
309.11	0.39	110.97	309.10	41.97	-1.25	-0.04	1.71	0.73	0.67	0.66	1.00	190.31 SLB_MWD-STD		
322.55	0.28	130.99	322.54	55.41	-1.32	-0.08	1.78	0.36	0.67	0.66	1.00	188.08 SLB_MWD-STD		
335.77	0.34	134.01	335.76	68.63	-1.39	-0.13	1.83	0.14	0.66	0.66	1.00	188.07 SLB_MWD-STD		
348.92	0.39	108.74	348.91	81.78	-1.47	-0.17	1.90	0.38	0.67	0.67	1.01	191.68 SLB_MWD-STD		
362.08	0.37	131.50	362.07	94.94	-1.55	-0.21	1.98	0.34	0.67	0.67	1.01	193.83 SLB_MWD-STD		
375.28	0.52	126.31	375.27	108.14	-1.66	-0.28	2.06	0.35	0.67	0.67	1.01	197.53 SLB_MWD-STD		
388.74	0.66	121.30	388.73	121.60	-1.79	-0.35	2.17	0.33	0.69	0.69	1.01	197.80 SLB_MWD-STD		
401.87	0.59	120.79	401.86	134.73	-1.93	-0.43	2.30	0.16	0.69	0.69	1.01	198.77 SLB_MWD-STD		
415.21	0.52	124.92	415.20	148.07	-2.06	-0.50	2.40	0.18	0.68	0.67	1.02	201.42 SLB_MWD-STD		
428.57	0.43	124.77	428.56	161.43	-2.17	-0.56	2.49	0.20	0.67	0.66	1.02	202.70 SLB_MWD-STD		
441.74	0.32	142.35	441.73	174.60	-2.25	-0.62	2.56	0.36	0.66	0.66	1.02	199.62 SLB_MWD-STD		
13.375 in Casing	486.00	0.22	101.71	485.99	218.86	-2.45	-0.73	2.72	0.14	0.67	0.67	1.03	192.95 SLB_MWD-STD	
507.17	0.23	76.03	507.16	240.03	-2.50	-0.73	2.80	0.14	0.46	0.46	1.04	188.47 SLB_MWD-STD		
520.41	0.26	61.51	520.40	253.27	-2.52	-0.71	2.85	0.16	0.46	0.46	1.04	192.35 SLB_MWD-STD		
533.41	0.24	56.57	533.40	266.27	-2.54	-0.68	2.90	0.07	0.47	0.47	1.04	193.75 SLB_MWD-STD		
546.71	0.28	73.84	546.69	279.57	-2.56	-0.66	2.95	0.20	0.47	0.47	1.04	186.84 SLB_MWD-STD		
560.16	0.26	72.32	560.14	293.02	-2.59	-0.64	3.01	0.05	0.47	0.46	1.05	186.38 SLB_MWD-STD		
573.18	0.26	47.79	573.16	306.04	-2.61	-0.61	3.06	0.25	0.48	0.47	1.05	194.93 SLB_MWD-STD		
586.09	0.23	49.01	586.07	318.95	-2.61	-0.57	3.10	0.07	0.48	0.48	1.05	193.37 SLB_MWD-STD		
599.42	0.22	53.91	599.40	332.28	-2.62	-0.54	3.15	0.05	0.47	0.47	1.06	190.26 SLB_MWD-STD		
613.00	0.36	50.48	612.98	345.86	-2.62	-0.50	3.20	0.31	0.47	0.46	1.06	190.79 SLB_MWD-STD		
626.24	0.27	59.99	626.22	359.10	-2.64	-0.45	3.26	0.24	0.47	0.46	1.06	185.08 SLB_MWD-STD		
639.35	0.40	50.59	639.33	372.20	-2.65	-0.41	3.32	0.32	0.47	0.46	1.07	188.30 SLB_MWD-STD		
652.61	0.39	50.49	652.59	385.46	-2.66	-0.35	3.39	0.02	0.47	0.46	1.07	186.81 SLB_MWD-STD		
679.20	0.45	50.22	679.18	412.05	-2.68	-0.23	3.54	0.07	0.47	0.47	1.08	183.67 SLB_MWD-STD		
706.03	0.42	78.34	706.01	438.88	-2.74	-0.14	3.72	0.24	0.46	0.46	1.09	178.30 SLB_MWD-STD		
718.91	0.45	74.25	718.89	451.76	-2.79	-0.12	3.81	0.10	0.46	0.46	1.09	176.98 SLB_MWD-STD		
732.40	0.42	76.74	732.38	465.25	-2.85	-0.09	3.91	0.08	0.47	0.46	1.09	177.15 SLB_MWD-STD		
745.61	0.35	73.79	745.59	478.46	-2.89	-0.07	4.00	0.17	0.47	0.46	1.10	176.24 SLB_MWD-STD		
758.80	0.40	90.24	758.78	491.65	-2.94	-0.06	4.08	0.27	0.47	0.46	1.10	180.81 SLB_MWD-STD		
772.11	0.40	96.05	772.09	504.96	-3.01	-0.06	4.18	0.09	0.47	0.45	1.11	182.72 SLB_MWD-STD		
785.19	0.35	97.07	785.17	518.04	-3.08	-0.07	4.26	0.12	0.47	0.46	1.11	183.07 SLB_MWD-STD		
824.75	0.40	86.63	824.73	557.60	-3.27	-0.08	4.52	0.06	0.48	0.48	1.12	179.61 SLB_MWD-STD		
839.02	0.42	84.12	839.00	571.87	-3.33	-0.07	4.62	0.06	0.47	0.46	1.13	178.72 SLB_MWD-STD		
851.31	0.49	74.53	851.29	584.16	-3.39	-0.05	4.72	0.25	0.48	0.46	1.13	175.98 SLB_MWD-STD		
864.35	0.49	69.12	864.33	597.20	-3.44	-0.02	4.82	0.11	0.49	0.47	1.14	174.86 SLB_MWD-STD		
877.77	0.55	79.20	877.75	610.62	-3.50	0.01	4.94	0.24	0.49	0.47	1.14	176.57 SLB_MWD-STD		
890.75	0.50	77.55	890.73	623.60	-3.57	0.04	5.05	0.12	0.49	0.47	1.15	175.89 SLB_MWD-STD		
903.78	0.49	74.73	903.76	636.63	-3.63	0.07	5.16	0.06	0.50	0.48	1.15	175.05 SLB_MWD-STD		
930.55	0.59	72.96	930.53	663.40	-3.75	0.14	5.41	0.11	0.52	0.50	1.16	174.22 SLB_MWD-STD		
943.90	0.66	81.61	943.87	676.75	-3.83	0.17	5.55	0.26	0.51	0.50	1.17	176.12 SLB_MWD-STD		
957.13	0.55	88.18	957.10	689.97	-3.92	0.18	5.69	0.29	0.50	0.49	1.17	178.04 SLB_MWD-STD		
983.24	0.47	80.59	983.21	716.08	-4.06	0.20	5.92	0.12	0.51	0.49	1.18	175.64 SLB_MWD-STD		
996.65	0.32	94.18	996.62	729.49	-4.13	0.21	6.01	0.39	0.52	0.50	1.19	179.69 SLB_MWD-STD		
1010.14	0.28	95.57	1010.11	742.98	-4.18	0.20	6.08	0.09	0.53	0.51	1.19	180.09 SLB_MWD-STD		
1023.26	0.23	99.18	1023.23	756.10	-4.23	0.20	6.14	0.12	0.55	0.53	1.20	180.98 SLB_MWD-STD		
1036.78	0.15	153.66	1036.75	796.12	-4.26	0.17	6.17	0.42	0.56	0.55	1.20	173.45 SLB_MWD-STD		
1063.27	0.17	146.54	1063.24	796.11	-4.34	0.11	6.21	0.03	0.55	0.54	1.21	174.66 SLB_MWD-STD		
1089.83	0.19	176.24	1089.80	822.67	-4.41	0.03	6.23	0.11	0.53	0.53	1.22	175.57 SLB_MWD-STD		
1116.28	0.39	151.02	1116.25	849.12	-4.53	-0.09	6.28	0.26	0.55	0.53	1.23	176.10 SLB_MWD-STD		
1129.58	0.46	146.97	1129.55	862.42	-4.62	-0.17	6.33	0.17	0.53	0.51	1.24	177.55 SLB_MWD-STD		
1142.91	0.44	150.04	1142.88	875.75	-4.72	-0.26	6.39	0.07	0.53	0.52	1.24	177.86 SLB_MWD-STD		
1155.70	0.46	156.49	1155.67	888.54	-4.82	-0.35	6.43	0.13	0.55	0.54	1.25	178.23 SLB_MWD-STD		
1169.40	0.38	162.37	1169.37	902.24	-4.91	-0.45	6.47	0.20	0.57	0.56	1.25	179.34 SLB_MWD-STD		
1182.54	0.34	162.15	1182.51	915.38	-4.98	-0.52	6.49	0.09	0.58	0.57	1.26	180.06 SLB_MWD-STD		
1195.69	0.32	158.94	1195.66	928.53	-5.05	-0.60	6.52	0.06	0.58	0.56	1.27	180.59 SLB_MWD-STD		
1209.32	0.11	138.64	1209.29	942.16	-5.10	-0.64	6.54	0.48	0.58	0.57	1.27	186.13 SLB_MWD-STD		
1222.														

Comments	MD (m)	Incl (°)	Azin Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	AD EOU Semi- Major Axis NEV (m)	AD EOU Semi- Minor Axis NEV (m)	AD EOU Unc Vertical (m)	AD EOU Semi- Major Azimuth NEV (°)	AD Survey Tool
	1420.29	0.74	106.60	1420.25	1153.12	-6.38	-0.39	8.58	0.17	0.52	0.48	1.37	186.40 SLB MWD-STD	
	1433.49	0.73	106.20	1433.45	1166.32	-6.53	-0.44	8.74	0.03	0.53	0.49	1.37	186.42 SLB MWD-STD	
	1447.34	0.73	103.32	1447.29	1180.17	-6.68	-0.48	8.92	0.08	0.53	0.49	1.38	185.90 SLB MWD-STD	
	1461.19	0.82	99.04	1461.14	1194.01	-6.83	-0.52	9.10	0.23	0.53	0.48	1.38	184.88 SLB MWD-STD	
	1473.84	0.75	99.62	1473.79	1206.66	-6.98	-0.55	9.27	0.17	0.53	0.49	1.39	185.13 SLB MWD-STD	
	1487.04	0.65	100.53	1486.99	1219.86	-7.11	-0.58	9.43	0.23	0.55	0.50	1.40	185.40 SLB MWD-STD	
	1500.04	0.60	97.36	1499.99	1232.86	-7.22	-0.60	9.57	0.14	0.57	0.53	1.40	184.53 SLB MWD-STD	
	1513.13	0.44	97.47	1513.08	1245.95	-7.32	-0.61	9.69	0.37	0.59	0.55	1.41	184.54 SLB MWD-STD	
	1526.17	0.32	93.12	1525.99	1258.99	-7.39	-0.62	9.78	0.18	0.62	0.58	1.42	183.38 SLB MWD-STD	
	1539.88	0.32	80.51	1539.83	1272.70	-7.44	-0.62	9.86	0.20	0.64	0.60	1.42	180.48 SLB MWD-STD	
	1553.52	0.32	69.07	1553.47	1286.34	-7.48	-0.60	9.93	0.14	0.66	0.63	1.43	179.35 SLB MWD-STD	
	1565.98	0.26	80.67	1565.93	1298.80	-7.51	-0.58	9.99	0.20	0.68	0.64	1.44	180.46 SLB MWD-STD	
	1578.98	0.30	90.90	1578.93	1311.80	-7.56	-0.58	10.06	0.15	0.67	0.63	1.44	182.57 SLB MWD-STD	
	1592.84	0.40	80.38	1592.79	1325.66	-7.61	-0.57	10.14	0.26	0.65	0.60	1.45	180.16 SLB MWD-STD	
	1606.01	0.43	92.60	1605.96	1338.83	-7.67	-0.56	10.24	0.21	0.63	0.59	1.46	182.89 SLB MWD-STD	
	1619.25	0.50	85.40	1619.20	1352.07	-7.75	-0.56	10.34	0.21	0.62	0.57	1.46	181.03 SLB MWD-STD	
	1634.16	0.57	75.33	1634.11	1366.98	-7.83	-0.54	10.48	0.24	0.61	0.57	1.47	178.93 SLB MWD-STD	
	1659.04	0.58	74.00	1658.99	1391.86	-7.95	-0.47	10.72	0.02	0.63	0.58	1.48	178.51 SLB MWD-STD	
	1672.25	0.63	75.26	1672.20	1405.07	-8.02	-0.44	10.85	0.12	0.63	0.58	1.49	178.46 SLB MWD-STD	
	1686.24	0.73	86.89	1686.18	1419.06	-8.12	-0.41	11.02	0.36	0.61	0.56	1.50	180.64 SLB MWD-STD	
	1699.28	0.64	95.56	1699.22	1432.09	-8.23	-0.41	11.17	0.32	0.60	0.54	1.50	182.93 SLB MWD-STD	
	1712.63	0.62	99.14	1712.57	1445.44	-8.35	-0.43	11.32	0.10	0.60	0.54	1.51	183.92 SLB MWD-STD	
	1725.83	0.67	102.54	1725.77	1458.64	-8.47	-0.46	11.46	0.14	0.59	0.52	1.52	184.89 SLB MWD-STD	
	1738.81	0.59	110.42	1738.75	1471.62	-8.60	-0.50	11.60	0.27	0.58	0.52	1.52	186.55 SLB MWD-STD	
	1768.00	0.67	106.39	1767.94	1500.81	-8.89	-0.60	11.91	0.09	0.58	0.51	1.54	186.24 SLB MWD-STD	
	1790.50	0.73	103.88	1790.44	1523.31	-9.12	-0.67	12.17	0.09	0.58	0.51	1.55	185.16 SLB MWD-STD	
	1803.57	0.73	101.47	1803.51	1536.38	-9.27	-0.71	12.33	0.07	0.53	0.46	1.56	184.79 SLB MWD-STD	
	1816.43	0.69	117.03	1816.37	1549.24	-9.41	-0.76	12.48	0.46	0.53	0.46	1.56	186.72 SLB MWD-STD	
	1830.06	0.72	119.33	1829.99	1562.87	-9.57	-0.84	12.63	0.09	0.53	0.46	1.57	187.00 SLB MWD-STD	
	1843.38	0.97	114.84	1843.31	1576.18	-9.76	-0.93	12.81	0.58	0.54	0.47	1.58	187.19 SLB MWD-STD	
	1856.73	0.97	122.61	1856.66	1589.53	-9.97	-1.04	13.00	0.30	0.54	0.47	1.58	187.45 SLB MWD-STD	
	1869.65	1.03	125.64	1869.58	1602.45	-10.19	-1.16	13.19	0.19	0.55	0.48	1.59	187.60 SLB MWD-STD	
	1883.58	1.13	133.03	1883.51	1616.38	-10.46	-1.33	13.39	0.37	0.56	0.50	1.60	186.96 SLB MWD-STD	
	1896.33	1.28	132.16	1896.25	1630.72	-10.72	-1.36	13.59	0.72	0.58	0.51	1.60	187.80 SLB MWD-STD	
	1909.12	1.39	129.52	1909.04	1644.91	-11.02	-1.71	13.81	0.30	0.60	0.53	1.61	188.89 SLB MWD-STD	
	1922.31	1.44	129.84	1922.23	1655.10	-11.34	-1.91	14.07	0.12	0.62	0.55	1.62	189.51 SLB MWD-STD	
	1935.65	1.32	132.78	1935.56	1668.43	-11.67	-2.12	14.31	0.31	0.62	0.55	1.63	189.88 SLB MWD-STD	
	1948.86	0.53	127.99	1948.77	1681.64	-11.88	-2.27	14.47	1.80	0.61	0.53	1.63	191.15 SLB MWD-STD	
	1962.13	0.55	122.28	1962.04	1694.91	-12.00	-2.34	14.57	0.13	0.60	0.52	1.64	191.70 SLB MWD-STD	
	1975.48	0.55	117.98	1975.39	1708.26	-12.13	-2.40	14.68	0.09	0.60	0.52	1.65	191.72 SLB MWD-STD	
	1988.78	0.84	130.64	1988.69	1721.56	-12.28	-2.50	14.81	0.71	0.61	0.53	1.65	191.66 SLB MWD-STD	
	2001.78	0.95	131.79	2001.69	1734.58	-12.49	-2.63	14.96	0.26	0.63	0.55	1.66	191.82 SLB MWD-STD	
	2015.14	1.08	137.81	2015.04	1747.82	-12.72	-2.80	15.12	0.38	0.65	0.58	1.67	191.35 SLB MWD-STD	
	2028.20	1.09	137.91	2028.10	1760.97	-12.97	-2.98	15.30	0.02	0.67	0.60	1.68	191.88 SLB MWD-STD	
	2033.46	1.18	135.06	2033.36	1766.23	-13.07	-3.06	15.37	0.61	0.68	0.61	1.68	192.53 SLB MWD-STD	
	2041.68	1.03	141.32	2041.58	1774.45	-13.23	-3.17	15.47	0.70	0.68	0.61	1.68	191.91 SLB MWD-STD	
	2055.05	0.75	162.72	2054.95	1787.82	-13.43	-3.35	15.57	0.96	0.67	0.59	1.69	189.07 SLB MWD-STD	
	2068.55	0.81	158.42	2068.45	1801.32	-13.59	-3.52	15.64	0.19	0.67	0.59	1.70	190.15 SLB MWD-STD	
	2081.85	0.92	159.98	2081.75	1814.62	-13.78	-3.71	15.71	0.25	0.69	0.62	1.71	190.69 SLB MWD-STD	
	2095.30	1.07	162.52	2095.19	1828.06	-13.98	-3.93	15.78	0.35	0.72	0.64	1.71	191.25 SLB MWD-STD	
	2108.61	1.04	171.25	2108.50	1841.37	-14.19	-4.17	15.94	0.37	0.73	0.65	1.72	191.71 SLB MWD-STD	
	2121.62	1.52	152.13	2121.51	1854.38	-14.45	-4.44	15.94	1.47	0.73	0.66	1.73	194.53 SLB MWD-STD	
	2135.06	1.46	150.33	2134.94	1867.81	-14.79	-4.75	16.10	0.17	0.73	0.66	1.73	195.85 SLB MWD-STD	
	2148.99	0.92	146.49	2148.87	1881.74	-15.07	-4.99	16.25	1.17	0.71	0.63	1.74	197.47 SLB MWD-STD	
	2162.16	1.05	271.21	2162.04	1894.91	-15.08	-5.08	16.19	3.98	0.69	0.60	1.75	14.73 SLB MWD-STD	
	2174.97	3.71	302.25	2174.84	1907.71	-14.59	-4.85	15.72	6.70	0.67	0.58	1.76	18.29 SLB MWD-STD	
	2187.74	5.77	310.45	2187.56	1920.43	-13.55	-4.22	14.89	5.08	0.64	0.56	1.76	14.64 SLB MWD-STD	
	2200.87	5.84	312.62	2200.63	1933.50	-12.22	-3.34	13.89	0.53	0.61	0.54	1.77	9.37 SLB MWD-STD	
	2213.79	6.23	313.88	2213.47	1946.62	-10.80	-2.42	12.86	0.32	0.58	0.53	1.78	3.32 SLB MWD-STD	
	2227.28	8.88	314.90	2226.83	1959.70	-8.95	-1.07	11.54	4.57	0.56	0.51	1.78	348.74 SLB MWD-STD	
	2241.13	11.43	320.15	2240.46	1973.33	-6.52	0.74	9.90	5.87	0.56	0.49	1.79	334.88 SLB MWD-STD	
	2253.50	13.43	329.12	2252.54	1985.41	-3.91	2.91	8.38	6.73	0.58	0.48	1.79	332.32 SLB MWD-STD	
	2266.57	14.11	333.72	2265.24	1998.11	-0.93	5.65	6.89	2.96	0.59	0.49	1.80	151.27 SLB MWD-STD	
	2280.05	14.83	342.65	2278.29	2011.16	2.15	8.77	5.65	5.21	0.61	0.53	1.80	150.33 SLB MWD-STD	
	2292.99	16.27	344.48	2290.76	2023.63	5.18	12.09	4.67	3.53	0.63	0.58	1.81	143.56 SLB MWD-STD	
	2306.62	19.07	335.71	2303.75	2036.62	8.92	15.96	3.25	8.49	0.68	0.62	1.81	125.15 SLB MWD-STD	
	2319.89	22.24	331.44	2316.16	2049.03	13.35	20.15	1.15	7.93	0.75	0.67	1.81	108.63 SLB MWD-STD	
	2333.40	25.66	326.84	2330.51	2061.54	18.66	24.84	-1.67	8.65	0.72	0.62	1.82	94.96 SLB MWD-STD	
	2346.86	29.15	323.48	2340.46	2073.33	24.75	29.92	-5.22	8.51	0.97	0.78	1.82	84.54 SLB MWD-STD	
	2360.22	32.65	320.94	2351.92	2084.79	31.55	35.33	-9.43	8.39	1.12	0.85	1.82	76.66 SLB MWD-STD	
	2373.42	36.49	316.01	2362.79	2095.66	39.02	40.93	-14.40	10.79	1.29	0.92	1.82	70.82 SLB MWD-STD	
	2386.70	41.03	316.34	2373.14	2106.01	47.33	46.92	-20.15	10.27	1.48	0.99	1.83	66.00 SLB MWD-STD	
	2399.81	45.90	314.38	2382.65	2115.52	56.34	53.33	-26.49	11.56	1.70	1.06	1.83	61.93 SLB MWD-STD	
	2413.08	50.08	312.66	2391.53	2124.40	66.20	60.12	-33.64	9.88	1.95	1.13	1.85	58.68 SLB MWD-STD	
	2426.32	53.59	310.99	2399.71	2132.58	76.59	67.05	-41.40	8.49	2.23	1.20	1.87	55.91 SLB MWD-STD	
	2439.48	57.18	314.43	2407.19	2147.43	84.07	74.19	-49.06	7.19	2.52	1.26	1.90	53.72 SLB MWD-STD	
	2452.37	60.30	312.18	2413.88	2146.75	98.40	81.53	-57.76	7.41	2.82	1.32	1.93	52.04 SLB MWD-STD	
	2465.70	64.61	311.85	2420.04	2152.91	110.21	89.44	-66.54	9.72	3.15	1.37	1.97	50.67 SLB MWD-STD	
	2478.87	68.40	312.28	2425.29	2158.16	122.27	97.53	-75.50	8.68	3.49	1.42	2.02	49.65 SLB MWD-STD	
	2492.47	71.45	312.54	2429.96	2162.83	135.03	106.15	-84.93	6.75	3.86	1.46	2.09	48.81 SLB MWD-STD	
	2505.01	74.56	312.68	2433.62	2166.49	147.01	114.27	-93.76	7.45	4.21	1.49	2.1		

Comments	MD (m)	Incl (°)	Azim Grid (°)	TVD (m)	TVDSS (m)	VSEC (m)	NS (m)	EW (m)	DLS (°/30m)	AD EOU Semi- Major Axis NEV (m)	AD EOU Semi- Minor Axis NEV (m)	AD EOU Unc Vertical (m)	AD EOU Semi- Major Azimuth NEV (°)	AD Survey Tool
	3080.41	88.60	313.92	2438.45	2171.32	721.12	504.95	-514.82	2.84	21.14	1.62	7.06	43.79 SLB_MWD-STD	
	3095.92	88.19	314.11	2438.88	2171.75	736.62	515.72	-525.97	0.87	21.60	1.62	7.20	43.80 SLB_MWD-STD	
	3110.30	88.19	314.00	2439.34	2172.21	750.99	525.72	-536.30	0.23	22.02	1.63	7.34	43.80 SLB_MWD-STD	
	3123.15	88.11	314.11	2439.75	2172.62	763.83	534.65	-545.53	0.32	22.40	1.63	7.46	43.81 SLB_MWD-STD	
	3136.63	88.19	314.28	2440.19	2173.06	777.31	544.04	-555.19	0.42	22.80	1.64	7.59	43.81 SLB_MWD-STD	
	3150.47	88.05	314.18	2440.64	2173.51	791.14	553.69	-565.10	0.37	23.20	1.65	7.72	43.82 SLB_MWD-STD	
	3163.90	88.22	314.22	2441.08	2173.95	804.56	563.05	-574.73	0.39	23.60	1.65	7.85	43.83 SLB_MWD-STD	
	3177.19	89.00	314.06	2441.40	2174.27	817.85	572.30	-584.26	1.80	23.99	1.66	7.98	43.83 SLB_MWD-STD	
	3190.34	89.25	314.21	2441.90	2174.47	830.99	581.46	-593.70	0.67	24.38	1.66	8.11	43.84 SLB_MWD-STD	
	3203.56	89.66	313.83	2441.73	2174.60	844.21	590.64	-603.20	1.27	24.78	1.66	8.23	43.84 SLB_MWD-STD	
	3216.81	90.23	313.99	2441.74	2174.61	857.46	599.83	-612.75	1.34	25.17	1.67	8.36	43.84 SLB_MWD-STD	
	3243.35	90.23	314.11	2441.63	2174.50	884.00	618.28	-631.83	0.14	25.96	1.67	8.62	43.85 SLB_MWD-STD	
	3256.67	90.23	314.24	2441.58	2174.45	897.32	627.57	-641.38	0.29	26.35	1.68	8.75	43.85 SLB_MWD-STD	
	3269.79	90.23	314.14	2441.53	2174.40	910.44	636.71	-650.79	0.23	26.74	1.68	8.88	43.85 SLB_MWD-STD	
	3283.06	90.23	314.12	2441.47	2174.34	923.71	645.95	-660.31	0.05	27.13	1.68	9.00	43.86 SLB_MWD-STD	
	3296.42	90.17	314.26	2441.43	2174.30	937.07	655.26	-669.89	0.34	27.52	1.68	9.13	43.86 SLB_MWD-STD	
	3309.39	90.14	314.11	2441.39	2174.26	950.04	664.30	-679.19	0.35	27.91	1.69	9.26	43.87 SLB_MWD-STD	
	3322.61	90.09	313.99	2441.37	2174.24	963.26	673.49	-688.69	0.30	28.30	1.69	9.38	43.87 SLB_MWD-STD	
	3335.80	90.20	313.98	2441.33	2174.20	976.44	682.65	-698.18	0.25	28.69	1.69	9.51	43.87 SLB_MWD-STD	
	3348.54	90.23	313.90	2441.28	2174.16	989.18	691.49	-707.36	0.20	29.07	1.70	9.63	43.87 SLB_MWD-STD	
	3362.34	90.17	313.71	2441.24	2174.11	1002.98	701.05	-717.32	0.43	29.48	1.70	9.77	43.87 SLB_MWD-STD	
	3375.52	90.26	313.98	2441.19	2174.06	1016.16	710.18	-726.82	0.65	29.87	1.70	9.89	43.87 SLB_MWD-STD	
	3388.62	90.17	314.01	2441.14	2174.01	1029.26	719.28	-736.25	0.22	30.25	1.71	10.02	43.87 SLB_MWD-STD	
	3402.05	90.20	313.96	2441.09	2173.97	1042.69	728.60	-745.91	0.13	30.65	1.71	10.15	43.88 SLB_MWD-STD	
	3414.46	90.23	313.95	2441.05	2173.92	1055.10	737.22	-754.84	0.08	31.02	1.71	10.27	43.88 SLB_MWD-STD	
	3427.97	90.17	313.95	2441.00	2173.87	1068.61	746.59	-764.57	0.13	31.42	1.72	10.40	43.88 SLB_MWD-STD	
	3441.15	90.37	314.18	2440.94	2173.81	1081.78	755.76	-774.04	0.69	31.81	1.72	10.53	43.88 SLB_MWD-STD	
	3455.00	90.83	313.98	2440.79	2173.66	1095.63	765.39	-783.99	1.09	32.22	1.72	10.66	43.88 SLB_MWD-STD	
	3465.34	90.75	313.95	2440.65	2173.52	1105.97	772.57	-791.43	0.25	32.53	1.72	10.76	43.88 SLB_MWD-STD	
	3481.34	90.77	313.90	2440.44	2173.31	1121.97	783.67	-802.95	0.10	33.00	1.73	10.92	43.88 SLB_MWD-STD	
	3494.69	90.75	313.85	2440.26	2173.13	1135.32	792.92	-812.57	0.12	33.39	1.73	11.05	43.88 SLB_MWD-STD	
	3508.01	91.32	313.96	2440.02	2172.89	1148.63	802.16	-822.17	1.31	33.79	1.73	11.18	43.89 SLB_MWD-STD	
	3520.94	91.63	313.65	2439.69	2172.56	1161.56	811.10	-831.50	1.02	34.17	1.74	11.31	43.88 SLB_MWD-STD	
	3534.08	91.58	313.40	2439.32	2172.19	1174.69	820.15	-841.02	0.58	34.57	1.74	11.43	43.88 SLB_MWD-STD	
	3547.83	91.66	313.78	2438.93	2171.80	1188.43	829.63	-850.98	0.85	34.97	1.74	11.57	43.88 SLB_MWD-STD	
	3561.44	91.69	313.71	2438.53	2171.40	1202.03	839.03	-860.81	0.17	35.38	1.74	11.70	43.88 SLB_MWD-STD	
	3574.47	91.75	313.89	2438.14	2171.01	1215.06	848.05	-870.21	0.44	35.76	1.74	11.83	43.88 SLB_MWD-STD	
	3587.77	91.72	313.83	2437.74	2170.61	1228.35	857.26	-879.79	0.15	36.16	1.74	11.96	43.87 SLB_MWD-STD	
	3600.88	91.69	314.05	2437.35	2170.22	1241.45	866.35	-889.23	0.51	36.54	1.75	12.08	43.88 SLB_MWD-STD	
	3614.27	91.69	313.87	2436.95	2169.83	1254.83	875.64	-898.86	0.40	36.94	1.75	12.21	43.88 SLB_MWD-STD	
	3627.48	91.63	313.87	2436.57	2169.44	1268.04	884.79	-908.38	0.14	37.33	1.75	12.34	43.88 SLB_MWD-STD	
	3653.86	90.55	313.78	2436.07	2168.94	1294.41	903.06	-927.41	1.23	38.11	1.76	12.59	43.87 SLB_MWD-STD	
	3680.51	90.69	313.99	2435.78	2168.65	1321.05	921.53	-946.62	0.28	38.89	1.76	12.85	43.88 SLB_MWD-STD	
	3693.67	90.60	313.72	2435.63	2168.50	1334.21	930.65	-956.10	0.65	39.28	1.77	12.98	43.87 SLB_MWD-STD	
	3703.08	90.66	313.79	2435.53	2168.40	1343.62	937.15	-962.90	0.29	39.56	1.77	13.07	43.87 SLB_MWD-STD	
	3712.75	90.69	313.62	2435.42	2168.29	1353.29	943.84	-969.89	0.54	39.85	1.77	13.15	43.87 SLB_MWD-STD	
	3721.44	90.66	313.72	2435.31	2168.18	1361.98	949.84	-976.18	0.36	40.11	1.78	13.25	43.87 SLB_MWD-STD	
	3730.61	90.43	313.61	2435.23	2168.10	1371.14	956.17	-982.81	0.83	40.38	1.78	13.34	43.87 SLB_MWD-STD	
	3739.90	89.66	313.59	2435.22	2168.09	1380.43	962.57	-989.54	2.49	40.65	1.78	13.42	43.87 SLB_MWD-STD	
	3749.41	89.23	313.72	2435.31	2168.18	1389.94	969.14	-996.42	1.42	40.93	1.78	13.52	43.87 SLB_MWD-STD	
	3758.94	89.23	314.01	2435.44	2168.31	1399.47	975.74	-1003.29	0.91	41.21	1.79	13.61	43.87 SLB_MWD-STD	
	3768.49	89.23	313.99	2435.57	2168.44	1409.02	982.37	-1010.16	0.06	41.50	1.79	13.70	43.87 SLB_MWD-STD	
	3777.43	89.00	313.77	2435.71	2168.58	1417.96	988.57	-1016.60	1.07	41.76	1.80	13.79	43.87 SLB_MWD-STD	
	3786.94	89.05	313.89	2435.87	2168.74	1427.46	995.16	-1023.46	0.41	42.04	1.80	13.88	43.87 SLB_MWD-STD	
	3796.08	89.14	314.00	2436.01	2168.88	1436.60	1001.50	-1030.04	0.47	42.31	1.80	13.97	43.87 SLB_MWD-STD	
	3805.50	89.14	314.09	2436.15	2169.02	1446.02	1008.05	-1036.81	0.29	42.59	1.81	14.06	43.87 SLB_MWD-STD	
	3815.08	89.08	313.93	2436.30	2169.17	1455.60	1014.70	-1043.70	0.54	42.88	1.81	14.15	43.87 SLB_MWD-STD	
	3824.50	89.08	313.99	2436.45	2169.32	1465.02	1021.24	-1050.48	0.19	43.15	1.82	14.25	43.87 SLB_MWD-STD	
	3834.15	89.23	314.23	2436.60	2169.47	1474.66	1027.96	-1057.41	0.88	43.44	1.82	14.34	43.87 SLB_MWD-STD	
	3843.73	89.11	314.03	2436.73	2169.61	1484.24	1034.62	-1064.28	0.73	43.72	1.83	14.43	43.87 SLB_MWD-STD	
	3853.14	89.23	314.15	2436.87	2169.74	1493.65	1041.17	-1071.04	0.54	44.00	1.83	14.53	43.87 SLB_MWD-STD	
	3862.62	89.14	313.98	2437.01	2169.88	1503.13	1047.76	-1077.85	0.61	44.28	1.83	14.62	43.87 SLB_MWD-STD	
Projection to TD	3883.00	89.14	313.98	2437.31	2170.18	1523.51	1061.91	-1092.51	0.00	50.00	3.42	14.79	43.90 LB_BLIND+TREN	

Survey Type: Def Survey
NOTES: Only depth error sources are used from surface to mud-line.
Structure Uncertainty: 0.000 m(3.00 sigma) NOT Included
Slot Uncertainty: 0.000 m(1.00 sigma) Included
Hole Diameter: 8.500 - 30.000 in Included
Global Error Sources Used: YES
Along-Hole Depth Uncertainty: At survey stations

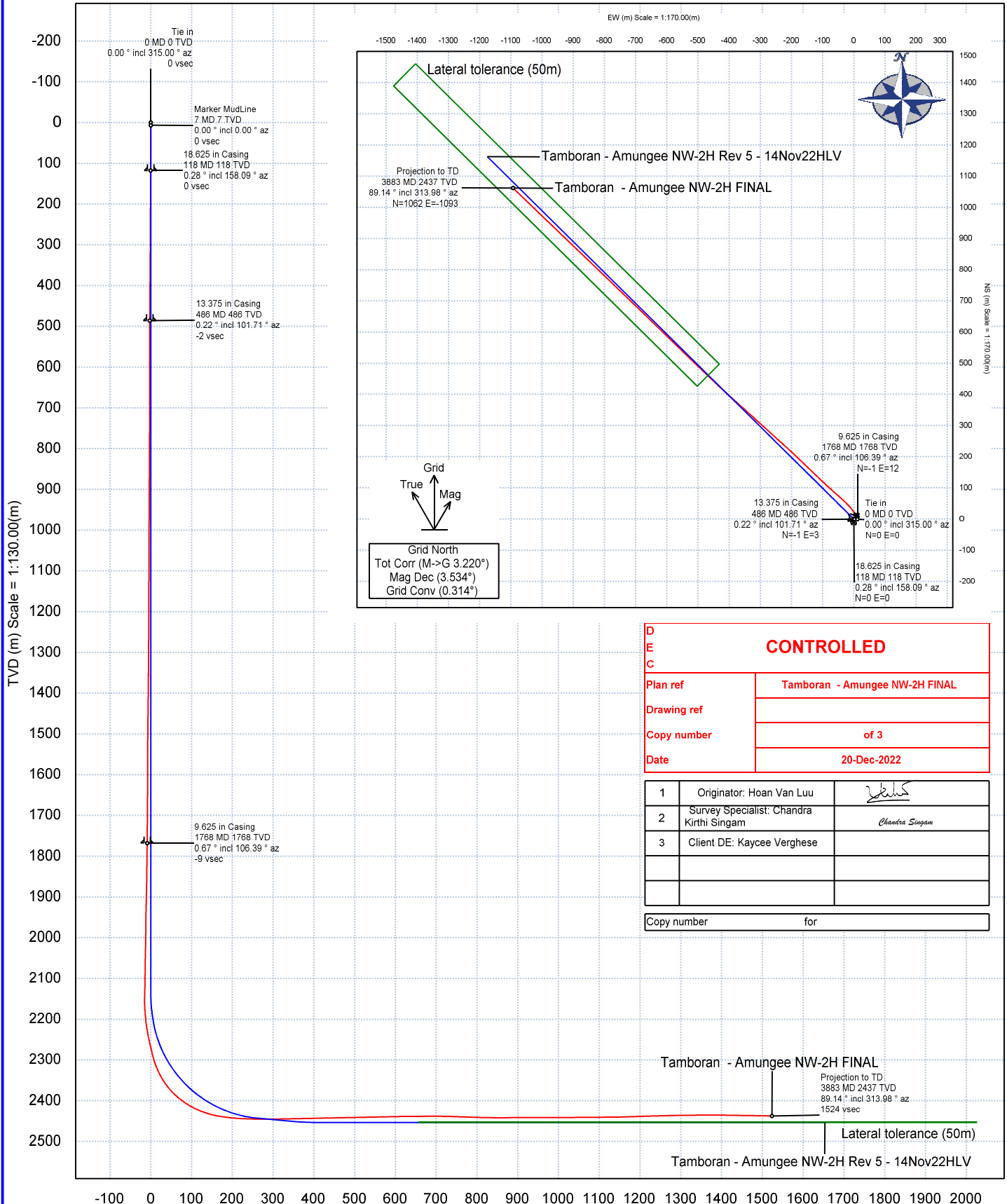
Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (m)	MD To (m)	EOU Freq (m)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	6.900	Act Stns	22.000	18.625	SLB_MWD-STD-Depth Only	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL
	1	6.900	118.000	1/30.000	22.000	18.625	SLB_MWD-STD	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL
	1	118.000	486.000	Act Stns	30.000	13.375	SLB_MWD-STD	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL
	1	486.000	1768.000	Act Stns	12.250	9.625	SLB_MWD-STD	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL
	1	1768.000	3862.620	Act Stns	8.500	5.500	SLB_MWD-STD	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL
	1	3862.620	3883.000	Act Stns	8.500	5.500	SLB_BLIND+TREND	Amungee NW-2H / Tamboran - Amungee NW-2H FINAL



Tamboran

Borehole:	Well:	Field:	Structure:
Amungee NW-2H	Amungee NW-2H	Tamboran/Beetaloo Basin	Amungee NW-2H
Gravity & Magnetic Parameters		Surface Location	Miscellaneous
Model: HDGM	Dip: -45.439°	Date: 08-Sep-2022	Lat: S 16 20 49.78
MagDec: 3.534°	FS: T	Gravity FS: 997.634mgn (9.80665 Based)	Northings: 8192337.12m
		Lon: E 133 53 8.49	Grid Conv: 0.3137°
		Easting: 380980.01m	Scale Fact: 0.99977517
			Plan: Tamboran - Amungee NW-2H FINAL
			TVD Ref: RKB(267.13m above Australian Height Datum)



CONTROLLED		
Plan ref	Tamboran - Amungee NW-2H FINAL	
Drawing ref		
Copy number	of 3	
Date	20-Dec-2022	
1	Originator: Hoan Van Luu	
2	Survey Specialist: Chandra Kirthi Singam	
3	Client DE: Kaycee Verghese	
Copy number _____ for _____		