

Type	Department	Scope	Issue Date	Document Ref #	
Survey	OPS	External	10-Sept-2025	TT-OPS-FRM-004	
Title	Survey Calculation Report			Pages	Rev.
Sub Title	Surveys			1 of 1	A
					10-Sept-2025

Job Details

Job # Reference	TES1017	Date of Survey	September 03, 2025
Well Name	GZR 315	Rig #	135
Survey Name			

Type of Service Performed: **Wireline Multishot**

Geodetic Location & Depth Reference

Well Centre Coordinates	Latitude	55	°	55	'	55.000	"	N	=	55.9319444	°N	UTM Coordinates	Northing	2369528.5	m
	Longitude	55	°	55	'	55.000	"	E	=	55.9319444	°E		Easting	439350	m

Geodetic System	Universal Transverse Mercator
Map Zone	Zone 40N(54E to 60E)
North Reference	Grid North
Grid Correction	0.8847482
Central Meridian	57

Elevation Referred	Mean Sea Level (MSL)
Reference datum	RKB/DFE(Drill Floor Elevation)
Reference Height	12 m
Reference Elevation	12 m
Survey Calculation	Minimum Curvature

Equipment Details

survey Probe type	G-1000
survey Probe type	G-1000
survey Probe type	G-1000

Elevation Referred	Mean Sea Level (MSL)
Elevation Referred	Mean Sea Level (MSL)
Elevation Referred	Mean Sea Level (MSL)

Survey Details

Well Type	Vertical
Hole Section	4 1/2 "
Minimum ID	2"
Survey Tool Type	Vertical
Survey Performed In	4" Drillpipe
Survey From	100 m
Survey Footage	1000 m

Measured Depth	0 m
Inclination	0 °deg
Azimuth	0 °deg
True Vertical Depth	0 m
Latitude(+N/-S)	0 m
Departure(+E/-W)	0 m
Well Type	Vertical

Overall Survey QC Analysis

	Process Workflow	Sensor Calibration	Comparitive QC	Gyrocompass QC	Secondary QC
QC Confidence	100%	97.8%	100%	91.25%	95%
Weightage	0.5	2	2	5	0.5

Overall Survey QC Confidence

97%

SURVEY QUALIFIED



Gyroscopic Survey Report

03-Sept-2025

RNS-40

MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/S (m)	+E/W (m)	DLS (°/30)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	None
10.00	0.10	259.24	10.00	-0.00	0.00	-0.01	0.30
20.00	0.13	283.12	20.00	-0.01	0.00	-0.03	0.17
30.00	0.13	294.13	30.00	-0.00	0.01	-0.05	0.07
40.00	0.13	301.69	40.00	0.00	0.02	-0.07	0.05
50.00	0.14	294.59	50.00	0.01	0.03	-0.09	0.06
60.00	0.15	291.48	60.00	0.02	0.04	-0.11	0.04
70.00	0.18	308.77	70.00	0.03	0.05	-0.14	0.17
80.00	0.20	321.42	80.00	0.05	0.08	-0.16	0.14
90.00	0.19	321.93	90.00	0.07	0.10	-0.18	0.03
100.00	0.19	321.58	100.00	0.09	0.13	-0.20	0.00
110.00	0.18	319.87	110.00	0.11	0.15	-0.22	0.03
120.00	0.18	320.90	120.00	0.13	0.18	-0.24	0.01
130.00	0.20	324.56	130.00	0.16	0.20	-0.26	0.07
140.00	0.20	339.44	140.00	0.18	0.24	-0.28	0.16
150.00	0.19	0.91	150.00	0.21	0.27	-0.29	0.22
160.00	0.20	7.98	160.00	0.25	0.30	-0.28	0.08
170.00	0.21	10.07	170.00	0.28	0.34	-0.28	0.04
180.00	0.25	16.47	180.00	0.32	0.38	-0.27	0.14
190.00	0.30	23.62	190.00	0.37	0.42	-0.25	0.18
200.00	0.29	15.24	200.00	0.42	0.47	-0.23	0.13
210.00	0.29	7.40	210.00	0.47	0.52	-0.22	0.12
220.00	0.30	9.13	220.00	0.52	0.57	-0.22	0.04
230.00	0.32	10.34	230.00	0.58	0.62	-0.21	0.06
240.00	0.40	9.56	240.00	0.64	0.69	-0.20	0.24
250.00	0.45	10.57	250.00	0.71	0.76	-0.18	0.15
260.00	0.46	15.49	260.00	0.79	0.84	-0.17	0.12
270.00	0.48	16.67	270.00	0.88	0.91	-0.14	0.07
280.00	0.51	13.07	280.00	0.96	1.00	-0.12	0.13
290.00	0.49	21.79	290.00	1.05	1.08	-0.09	0.24
300.00	0.45	40.68	300.00	1.12	1.15	-0.05	0.48
310.00	0.41	67.77	310.00	1.18	1.19	0.01	0.62
320.00	0.38	98.90	320.00	1.20	1.20	0.07	0.64
330.00	0.38	104.14	330.00	1.19	1.19	0.14	0.10
340.00	0.39	106.52	340.00	1.19	1.17	0.20	0.06

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MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/S (m)	+E/W (m)	DLS (°/30)
350.00	0.37	96.02	350.00	1.19	1.16	0.27	0.22
360.00	0.35	83.76	359.99	1.20	1.16	0.33	0.24
370.00	0.40	77.46	369.99	1.22	1.17	0.39	0.19
380.00	0.45	72.19	379.99	1.25	1.19	0.46	0.19
390.00	0.48	82.85	389.99	1.28	1.21	0.54	0.27
400.00	0.51	90.08	399.99	1.30	1.21	0.63	0.21
410.00	0.55	74.93	409.99	1.33	1.22	0.72	0.44
420.00	0.57	63.60	419.99	1.38	1.26	0.81	0.34
430.00	0.56	66.17	429.99	1.44	1.30	0.90	0.08
440.00	0.54	68.51	439.99	1.49	1.34	0.99	0.09
450.00	0.52	70.31	449.99	1.54	1.37	1.08	0.08
460.00	0.51	73.25	459.99	1.58	1.40	1.16	0.08
470.00	0.51	78.03	469.99	1.61	1.42	1.25	0.13
480.00	0.47	81.67	479.99	1.64	1.43	1.33	0.15
490.00	0.37	83.99	489.99	1.67	1.44	1.40	0.30
500.00	0.32	81.18	499.99	1.68	1.45	1.46	0.16
510.00	0.31	74.15	509.99	1.70	1.46	1.52	0.12
520.00	0.30	68.21	519.99	1.73	1.48	1.57	0.10
530.00	0.28	62.89	529.99	1.76	1.50	1.61	0.10
540.00	0.27	57.53	539.99	1.79	1.52	1.65	0.08
550.00	0.24	52.16	549.99	1.82	1.55	1.69	0.11
560.00	0.07	100.33	559.99	1.84	1.56	1.71	0.60
570.00	0.06	356.38	569.99	1.84	1.57	1.72	0.31
580.00	0.10	311.70	579.99	1.85	1.58	1.71	0.21
590.00	0.07	326.61	589.99	1.86	1.59	1.70	0.11
600.00	0.07	350.30	599.99	1.87	1.60	1.70	0.09
610.00	0.27	11.52	609.99	1.90	1.63	1.70	0.62
620.00	0.11	350.69	619.99	1.93	1.66	1.71	0.52
630.00	0.07	302.15	629.99	1.94	1.67	1.70	0.25
640.00	0.10	345.08	639.99	1.95	1.69	1.69	0.20
650.00	0.08	13.93	649.99	1.97	1.70	1.69	0.15
660.00	0.15	30.40	659.99	1.99	1.72	1.70	0.23
670.00	0.10	335.70	669.99	2.01	1.74	1.70	0.37
680.00	0.13	346.41	679.99	2.02	1.76	1.70	0.11
690.00	0.11	3.81	689.99	2.04	1.78	1.69	0.12

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MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/-S (m)	+E/-W (m)	DLS (°/30)
700.00	0.11	334.98	699.99	2.06	1.80	1.69	0.16
710.00	0.05	343.27	709.99	2.07	1.81	1.68	0.18
720.00	0.05	358.22	719.99	2.08	1.82	1.68	0.04
730.00	0.06	0.82	729.99	2.09	1.83	1.68	0.03
740.00	0.16	337.47	739.99	2.11	1.84	1.68	0.32
750.00	0.08	284.62	749.99	2.12	1.86	1.67	0.39
760.00	0.12	356.26	759.99	2.13	1.87	1.66	0.36
770.00	0.04	94.08	769.99	2.14	1.88	1.66	0.39
780.00	0.04	305.36	779.99	2.14	1.88	1.66	0.23
790.00	0.13	276.67	789.99	2.14	1.89	1.65	0.29
800.00	0.12	323.70	799.99	2.15	1.90	1.63	0.30
810.00	0.10	298.64	809.99	2.16	1.91	1.62	0.15
820.00	0.17	296.21	819.99	2.17	1.92	1.60	0.21
830.00	0.15	17.05	829.99	2.19	1.94	1.59	0.62
840.00	0.09	6.91	839.99	2.21	1.96	1.59	0.19
850.00	0.13	358.13	849.99	2.22	1.98	1.59	0.13
860.00	0.09	331.89	859.99	2.24	2.00	1.59	0.19
870.00	0.03	224.18	869.99	2.25	2.00	1.58	0.31
880.00	0.11	268.14	879.99	2.24	2.00	1.57	0.27
890.00	0.72	229.40	889.99	2.19	1.96	1.51	1.91
900.00	2.10	239.57	899.99	2.02	1.82	1.31	4.19
910.00	4.43	237.58	909.97	1.64	1.53	0.82	7.00
920.00	5.79	235.91	919.93	1.03	1.04	0.08	4.10
930.00	5.91	234.25	929.88	0.31	0.45	-0.76	0.62
940.00	5.94	236.44	939.82	-0.41	-0.14	-1.61	0.68
940.00	6.00	238.73	939.82	-0.41	-0.14	-1.61	None
960.00	6.28	237.73	959.71	-1.84	-1.26	-3.42	0.45
970.00	6.73	237.81	969.64	-2.60	-1.87	-4.38	1.35
980.00	8.12	238.92	979.56	-3.46	-2.54	-5.48	4.19
990.00	9.26	238.04	989.44	-4.46	-3.33	-6.77	3.44
1000.00	9.91	237.93	999.30	-5.57	-4.22	-8.18	1.95
1010.00	10.06	237.98	1009.15	-6.73	-5.14	-9.65	0.45
1020.00	11.22	237.01	1018.98	-7.98	-6.13	-11.21	3.52
1030.00	12.10	236.89	1028.77	-9.36	-7.23	-12.90	2.64
1040.00	13.04	237.12	1038.54	-10.85	-8.42	-14.73	2.82

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MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/-S (m)	+E/-W (m)	DLS (°/30)
1050.00	13.95	237.16	1048.26	-12.43	-9.68	-16.69	2.73
1060.00	14.96	237.21	1057.94	-14.13	-11.03	-18.79	3.03
1060.00	14.96	237.21	1057.94	-14.13	-11.03	-18.79	None
1070.00	15.94	237.27	1067.58	-15.94	-12.48	-21.03	2.94
1070.00	15.94	237.27	1067.58	-15.94	-12.48	-21.03	None
1080.00	16.99	237.67	1077.17	-17.85	-14.00	-23.42	3.17
1080.00	16.99	237.67	1077.17	-17.85	-14.00	-23.42	None
1090.00	18.09	237.71	1086.71	-19.88	-15.61	-25.96	3.30
1090.00	18.09	237.71	1086.71	-19.88	-15.61	-25.96	None
1100.00	19.07	237.96	1096.18	-22.02	-17.31	-28.66	2.95
1100.00	19.07	237.96	1096.18	-22.02	-17.31	-28.66	None
1110.00	19.96	238.56	1105.61	-24.24	-19.06	-31.50	2.74
1110.00	19.96	238.56	1105.61	-24.24	-19.06	-31.50	None
1120.00	20.59	238.98	1114.99	-26.53	-20.86	-34.46	1.94
1120.00	20.59	238.98	1114.99	-26.53	-20.86	-34.46	None
1130.00	23.05	239.18	1124.27	-28.96	-22.77	-37.65	7.38
1130.00	23.05	239.18	1124.27	-28.96	-22.77	-37.65	None
1140.00	23.91	239.26	1133.44	-31.56	-24.81	-41.08	2.58
1140.00	23.91	239.26	1133.44	-31.56	-24.81	-41.08	None
1150.00	24.88	239.39	1142.55	-34.26	-26.92	-44.63	2.91
1150.00	24.88	239.39	1142.55	-34.26	-26.92	-44.63	None
1160.00	25.56	239.42	1151.60	-37.03	-29.08	-48.30	2.04
1170.00	26.33	239.48	1160.59	-39.87	-31.31	-52.06	2.31
1180.00	27.09	239.52	1169.52	-42.79	-33.59	-55.94	2.28
1190.00	27.88	239.59	1178.39	-45.79	-35.93	-59.92	2.37
1200.00	28.66	239.64	1187.20	-48.86	-38.32	-64.00	2.34
1210.00	29.14	239.81	1195.96	-51.98	-40.76	-68.17	1.46
1220.00	29.95	239.88	1204.66	-55.16	-43.24	-72.44	2.43
1230.00	31.46	239.70	1213.25	-58.46	-45.81	-76.85	4.54
1240.00	32.12	239.63	1221.75	-61.87	-48.47	-81.40	1.98
1250.00	32.62	239.58	1230.20	-65.33	-51.18	-86.02	1.50
1260.00	33.70	239.43	1238.57	-68.89	-53.95	-90.73	3.25
1270.00	34.29	239.35	1246.86	-72.53	-56.80	-95.54	1.78
1280.00	35.01	239.32	1255.09	-76.23	-59.70	-100.43	2.16
1290.00	35.56	239.28	1263.25	-80.00	-62.65	-105.40	1.65

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MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/-S (m)	+E/-W (m)	DLS (°/30)
1300.00	35.57	239.22	1271.39	-83.79	-65.62	-110.40	0.11
1310.00	37.20	239.19	1279.44	-87.67	-68.66	-115.49	4.89
1320.00	37.94	239.08	1287.36	-91.66	-71.79	-120.73	2.23
1330.00	39.05	238.91	1295.19	-95.74	-74.99	-126.06	3.35
1340.00	39.38	238.76	1302.94	-99.90	-78.26	-131.47	1.03
1350.00	39.82	238.87	1310.64	-104.10	-81.57	-136.92	1.34
1360.00	40.62	238.82	1318.28	-108.35	-84.91	-142.45	2.40
1370.00	41.96	238.79	1325.79	-112.70	-88.32	-148.09	4.02
1380.00	42.66	238.75	1333.19	-117.14	-91.81	-153.85	2.10
1390.00	43.36	238.73	1340.50	-121.63	-95.35	-159.68	2.10
1400.00	44.40	238.93	1347.71	-126.20	-98.94	-165.61	3.15
1410.00	45.44	239.14	1354.79	-130.82	-102.57	-171.67	3.15
1420.00	46.43	239.19	1361.74	-135.52	-106.26	-177.84	2.97
1430.00	47.07	239.21	1368.59	-140.28	-109.99	-184.09	1.92
1440.00	47.83	239.17	1375.36	-145.10	-113.76	-190.42	2.28
1450.00	48.14	239.08	1382.05	-149.96	-117.57	-196.80	0.95
1460.00	50.09	239.04	1388.59	-154.91	-121.46	-203.28	5.85
1470.00	51.16	239.01	1394.94	-159.98	-125.44	-209.91	3.21
1480.00	51.76	238.81	1401.17	-165.12	-129.48	-216.61	1.86
1490.00	52.46	238.78	1407.31	-170.32	-133.57	-223.36	2.10
1500.00	53.54	238.66	1413.33	-175.59	-137.71	-230.18	3.25
1510.00	54.68	238.57	1419.19	-180.94	-141.93	-237.10	3.43
1520.00	55.01	238.52	1424.95	-186.36	-146.20	-244.07	1.00
1530.00	56.14	238.49	1430.60	-191.82	-150.51	-251.11	3.39
1540.00	57.22	238.47	1436.09	-197.36	-154.88	-258.23	3.24
1550.00	58.31	238.44	1441.43	-202.97	-159.30	-265.44	3.27
1560.00	59.13	238.39	1446.62	-208.64	-163.78	-272.72	2.46
1570.00	60.03	238.37	1451.68	-214.37	-168.30	-280.06	2.70
1580.00	61.06	238.49	1456.60	-220.15	-172.86	-287.48	3.11
1590.00	62.02	238.58	1461.37	-225.97	-177.45	-294.98	2.89
1600.00	63.17	238.60	1465.97	-231.85	-182.07	-302.56	3.45
1610.00	64.18	238.65	1470.40	-237.77	-186.74	-310.21	3.03
1620.00	64.79	238.73	1474.71	-243.72	-191.43	-317.92	1.84
1630.00	64.90	238.71	1478.96	-249.70	-196.13	-325.65	0.33
1640.00	65.10	238.67	1483.19	-255.68	-200.84	-333.40	0.61

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MD (m)	Inclination (degs)	Azimuth (degs)	TVD (m)	V.S. (m)	+N/-S (m)	+E/-W (m)	DLS (°/30)
1650.00	65.49	238.64	1487.37	-261.68	-205.56	-341.16	1.17
1660.00	65.45	238.59	1491.52	-267.70	-210.30	-348.92	0.18
1670.00	65.98	238.56	1495.63	-273.73	-215.05	-356.70	1.59
1680.00	65.30	238.58	1499.76	-279.75	-219.80	-364.47	2.04
1690.00	66.07	238.57	1503.87	-285.78	-224.56	-372.25	2.31
1700.00	66.09	238.55	1507.93	-291.83	-229.32	-380.05	0.08
1710.00	66.10	238.52	1511.98	-297.89	-234.10	-387.85	0.09
1720.00	66.12	238.59	1516.03	-303.94	-238.87	-395.65	0.20
1730.00	66.94	237.03	1520.01	-310.10	-243.75	-403.41	4.95
1740.00	67.03	236.85	1523.92	-316.38	-248.77	-411.12	0.57
1750.00	67.83	235.51	1527.76	-322.78	-253.91	-418.79	4.42
1760.00	68.25	234.42	1531.50	-329.34	-259.24	-426.39	3.28
1770.00	69.25	233.11	1535.13	-336.07	-264.75	-433.90	4.73
1780.00	70.58	231.98	1538.56	-342.99	-270.46	-441.36	5.10
1790.00	70.81	230.67	1541.87	-350.07	-276.35	-448.73	3.77
1800.00	71.44	229.80	1545.10	-357.30	-282.41	-456.00	3.11
1810.00	72.02	229.01	1548.24	-364.63	-288.59	-463.21	2.84
1820.00	73.18	228.64	1551.23	-372.07	-294.87	-470.39	3.64
1830.00	74.03	227.88	1554.05	-379.60	-301.26	-477.55	3.36
1840.00	75.19	226.97	1556.70	-387.26	-307.78	-484.65	4.36

