

3d WELL PLANNING

DATA

	KOP	Target
MD	10200	0
TVD	10200	12600
NC	0	500
EC	0	0
I	0	
AZ	0	
DLS	1.5	DLS okay

0.00

Target Azimuth from RKB

Minimum Curvature (DLS) to Intersect Target

Direction Cosines of the Tangent to the Turn Arc

0.00000	Cosine α ; t	1.00000
0.00000	Cosine β ; t	Sum of squares; t
1.00000	Cosine γ ; t	

Direction Cosines of the Line from the KOP to the Target

2451.53	3d Distance from the KOP to Target, n, ft	
0.20395	Cosine α ; n	1.00000
0.00000	Cosine β ; n	Sum of squares; n
0.97898	Cosine γ ; n	

0.205395389 11.76828893 Angle, α , rad, deg

6010.00 Maximum Radius of Turn Arc, ft

0.95 Minimum DLS to Intersect Target, deg/100ft

3819.72 Selected Radius of Turn Arc, r, ft

979.08 Length of Selected Arc, S, ft

18728.31 Length e, ft

2451.53 Length n, ft

18334.65 Length f, ft

4096.40 Length d, ft

1479.96 Length k, ft

3819.72 N8, ft

0.00 E8, ft

28534.65 TVD8, ft

3819.72 N4, ft

0.00 E4, ft

10200.00 TVD4, ft

0.36964 21.17899 Angle lambda, rad, deg

0.62597 35.86515 Angle beta, rad, deg

0.25632 14.68617 Angle gamma, rad, deg

1.00000 Cosine α ; 2-4 1.000000.00000 Cosine β ; 2-4 Sum of squares; 2-40.00000 Cosine γ ; 2-4

-3694.92 Length h, ft

968.39 Length m, ft

124.79 N5, ft

0.00 E5, ft

11168.39 TVD5, ft

0.25352 Cosine α ; k 1.000000.00000 Cosine β ; k Sum of squares; k0.96733 -Cosine γ ; k

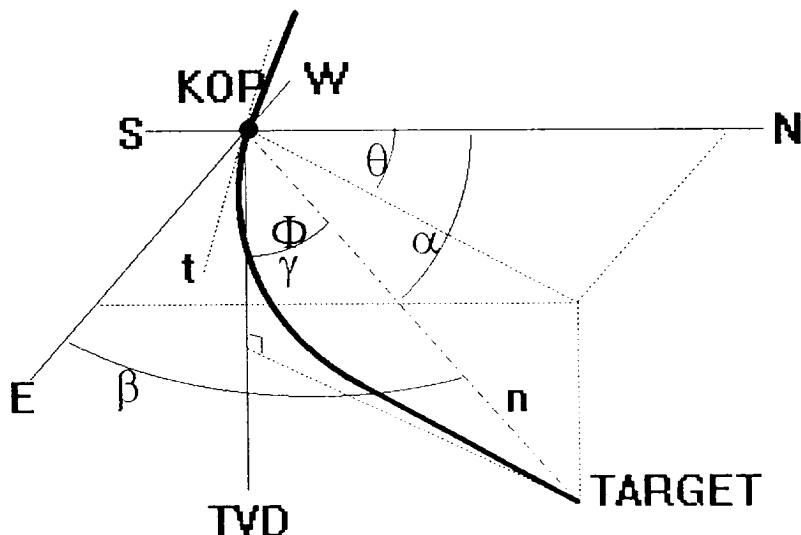
375.21 Delta North/South k, ft

0.00 Delta East/West k, ft

0.00000 **0.00** Azimuth into target, rad, deg0.25632 **14.69** Inclination into target, rad, deg

ANSWERS

POINT	MD	TVD	NC	EC	I	AZ	*Closure	Section
KOP	10200.00	10200.00	0.00	0.00	0.00	0.00	0.00	0.00
	10232.64	10232.64	0.14	0.00	0.49	0.00	0.14	0.14
	10265.27	10265.27	0.56	0.00	0.98	0.00	0.56	0.56
	10297.91	10297.90	1.25	0.00	1.47	0.00	1.25	1.25
	10330.54	10330.52	2.23	0.00	1.96	0.00	2.23	2.23
	10363.18	10363.13	3.49	0.00	2.45	0.00	3.49	3.49
	10395.82	10395.73	5.02	0.00	2.94	0.00	5.02	5.02
	10428.45	10428.32	6.83	0.00	3.43	0.00	6.83	6.83
	10461.09	10460.88	8.92	0.00	3.92	0.00	8.92	8.92
	10493.72	10493.43	11.29	0.00	4.41	0.00	11.29	11.29
	10526.36	10525.96	13.93	0.00	4.90	0.00	13.93	13.93
	10559.00	10558.47	16.86	0.00	5.38	0.00	16.86	16.86
	10591.63	10590.95	20.06	0.00	5.87	0.00	20.06	20.06
	10624.27	10623.40	23.54	0.00	6.36	0.00	23.54	23.54
	10656.90	10655.81	27.29	0.00	6.85	0.00	27.29	27.29
	10689.54	10688.20	31.33	0.00	7.34	0.00	31.33	31.33
	10722.17	10720.55	35.64	0.00	7.83	0.00	35.64	35.64
	10754.81	10752.86	40.22	0.00	8.32	0.00	40.22	40.22
	10787.45	10785.13	45.08	0.00	8.81	0.00	45.08	45.08
	10820.08	10817.36	50.22	0.00	9.30	0.00	50.22	50.22
	10852.72	10849.55	55.63	0.00	9.79	0.00	55.63	55.63
	10885.35	10881.68	61.32	0.00	10.28	0.00	61.32	61.32
	10917.99	10913.77	67.28	0.00	10.77	0.00	67.28	67.28
	10950.63	10945.90	73.52	0.00	11.26	0.00	73.52	73.52
	10983.26	10977.78	80.03	0.00	11.75	0.00	80.03	80.03
	11015.90	11009.71	86.81	0.00	12.24	0.00	86.81	86.81
	11048.53	11041.57	93.86	0.00	12.73	0.00	93.86	93.86
	11081.17	11073.38	101.19	0.00	13.22	0.00	101.19	101.19
	11113.81	11105.11	108.79	0.00	13.71	0.00	108.79	108.79
	11146.44	11136.79	116.66	0.00	14.20	0.00	116.66	116.66
END OF TURN	11179.08	11168.39	124.79	0.00	14.69	0.00	124.79	124.79
	11327.07	11311.55	162.31	0.00	14.69	0.00	162.31	162.31
	11475.07	11454.71	199.84	0.00	14.69	0.00	199.84	199.84
	11623.07	11597.87	237.36	0.00	14.69	0.00	237.36	237.36
	11771.06	11741.04	274.88	0.00	14.69	0.00	274.88	274.88
	11919.06	11884.20	312.40	0.00	14.69	0.00	312.40	312.40
	12067.05	12027.36	349.92	0.00	14.69	0.00	349.92	349.92
	12215.05	12170.52	387.44	0.00	14.69	0.00	387.44	387.44
	12363.05	12313.68	424.96	0.00	14.69	0.00	424.96	424.96
	12511.04	12456.84	462.48	0.00	14.69	0.00	462.48	462.48
	12659.04	12600.00	500.00	0.00	14.69	0.00	500.00	500.00
TARGET	12659.04	12600.00	500.00	0.00	14.69	0.00	500.00	500.00



*Closure is the distance from the RKB to a Station or Point

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