

* * * N A U T I C A L (V e r s i o n 3 . 1) * * *

Well: North Indian Basin Unit # 14 (Sidetrack 1)

Target Azimuth: 270
Target TVD: 7739

Closure Direction: 258

Measured Depth (ft)	Inclinatio n (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
7.600.00	0.40	237.22	7,597.14	9.33	-124.88	-9.33	<==== Tie-in Data				
7.628.00	3.90	248.90	7,625.12	10.27	-125.36	-10.27	125.78	0.125	0.417	12.5	Gyro
7.643.00	7.70	255.60	7,640.04	11.71	-125.82	-11.71	126.36	0.253	0.447	25.7	Gyro
7.648.00	9.50	270.70	7,644.98	12.45	-125.91	-12.45	126.52	0.360	3.020	57.5	Gyro
7.655.00	11.80	285.50	7,651.86	13.73	-125.72	-13.73	126.47	0.329	2.114	50.8	Gyro
7.669.00	18.10	320.80	7,665.38	16.76	-123.75	-16.76	124.88	0.450	2.521	77.2	0
7.680.00	24.40	322.00	7,675.63	19.24	-120.63	-19.24	122.16	0.573	0.109	57.4	0
7.693.00	32.40	318.10	7,687.06	23.21	-115.89	-23.21	118.20	0.615	-0.300	63.1	15 L
7.710.00	43.00	318.40	7,700.49	30.14	-108.14	-30.14	112.26	0.624	0.018	62.4	15 L
7.728.00	54.20	319.10	7,712.38	39.04	-97.99	-39.04	105.48	0.622	0.039	62.3	15 L
7.743.00	63.10	320.30	7,720.17	47.33	-88.22	-47.33	100.11	0.593	0.080	59.7	15 L
7.759.00	72.60	321.60	7,726.20	56.66	-76.71	-56.66	95.37	0.594	0.081	59.8	25 L
7.791.00	85.40	315.10	7,732.29	77.54	-53.24	-77.54	94.05	0.400	-0.203	44.7	25 L
7.798.00	87.90	314.30	7,732.70	82.50	-48.32	-82.50	95.61	0.357	-0.114	37.5	25 L
7.809.00	89.90	310.00	7,732.91	90.66	-40.94	-90.66	99.47	0.182	-0.391	43.1	70 L
7.819.00	91.60	304.30	7,732.78	98.63	-34.90	-98.63	104.62	0.170	-0.570	59.5	70 L
7.824.00	92.50	300.80	7,732.60	102.84	-32.21	-102.84	107.77	0.180	-0.700	72.2	70 L
7.834.00	94.50	294.20	7,731.99	111.69	-27.61	-111.69	115.05	0.200	-0.660	68.8	70 L
7.844.00	96.00	290.60	7,731.08	120.90	-23.81	-120.90	123.22	0.150	-0.360	38.9	70 L
7.855.00	97.60	284.20	7,729.77	131.32	-20.54	-131.32	132.92	0.145	-0.582	59.6	90 L
7.865.00	96.90	282.90	7,728.51	140.97	-18.22	-140.97	142.14	-0.070	-0.130	14.7	90 L
7.875.00	96.90	281.30	7,727.31	150.67	-16.14	-150.67	151.54	0.000	-0.160	15.9	90 L
7.885.00	96.90	279.70	7,726.11	160.43	-14.33	-160.43	161.07	0.000	-0.160	15.9	90 L
7.895.00	96.30	277.20	7,724.96	170.26	-12.87	-170.26	170.75	-0.060	-0.250	25.5	90 L
7.918.00	95.50	274.70	7,722.60	193.02	-10.50	-193.02	193.30	-0.035	-0.109	11.4	90 L
7.928.00	95.10	273.10	7,721.67	202.95	-9.82	-202.95	203.19	-0.040	-0.160	16.4	105 L
7.951.00	92.70	269.60	7,720.11	225.89	-9.28	-225.89	226.08	-0.104	-0.152	18.4	105 L
7.982.00	89.90	265.60	7,719.40	256.86	-10.58	-256.86	257.07	-0.090	-0.129	15.7	105 L
8.013.00	89.40	265.80	7,719.59	287.77	-12.90	-287.77	288.06	-0.016	0.006	1.7	Rot
8.045.00	89.10	266.00	7,720.01	319.68	-15.19	-319.68	320.04	-0.009	0.006	1.1	Rot
8.073.00	88.20	266.20	7,720.67	347.61	-17.09	-347.61	348.03	-0.032	0.007	3.3	Rot
8.108.00	88.50	266.40	7,721.68	382.52	-19.35	-382.52	383.01	0.009	0.006	1.0	Rot
8.140.00	89.80	265.10	7,722.16	414.43	-21.72	-414.43	415.00	0.041	-0.041	5.7	30 L
8.171.00	90.00	265.00	7,722.21	445.32	-24.40	-445.32	445.98	0.006	-0.003	0.7	Rot
8.203.00	90.30	265.10	7,722.13	477.20	-27.16	-477.20	477.97	0.009	0.003	1.0	Rot
8.233.00	90.80	265.30	7,721.84	507.09	-29.67	-507.09	507.96	0.017	0.007	1.8	Rot
8.263.00	90.90	265.40	7,721.39	536.99	-32.10	-536.99	537.95	0.003	0.003	0.5	Rot
8.294.00	88.90	264.90	7,721.45	567.88	-34.72	-567.88	568.94	-0.065	-0.016	6.7	130 L
8.325.00	89.20	264.50	7,721.96	598.74	-37.59	-598.74	599.92	0.010	-0.013	1.6	Rot
8.357.00	89.20	264.00	7,722.41	630.58	-40.79	-630.58	631.89	0.000	-0.016	1.6	Rot
8.391.00	89.00	263.80	7,722.94	664.38	-44.40	-664.38	665.86	-0.006	-0.006	0.8	Rot
8.424.00	89.20	263.70	7,723.46	697.18	-48.00	-697.18	698.83	0.006	-0.003	0.7	Rot
8.456.00	89.20	263.70	7,723.91	728.98	-51.51	-728.98	730.80	0.000	0.000	0.0	Rot
8.484.00	88.60	263.20	7,724.44	756.79	-54.70	-756.79	758.77	-0.021	-0.018	2.8	Rot
8.516.00	88.80	262.80	7,725.17	788.55	-58.60	-788.55	790.72	0.006	-0.012	1.4	Rot
8.520.00	88.83	262.82	7,725.25	792.52	-59.10	-792.52	794.72	0.008	0.005	0.9	Rot
8.550.00	84.70	257.60	7,726.95	822.03	-64.19	-822.03	824.53	-0.138	-0.174	22.2	100 R
8.565.00	84.10	259.10	7,728.41	836.65	-67.21	-836.65	839.35	-0.040	0.100	10.7	90 R
8.583.00	83.80	261.10	7,730.31	854.29	-70.28	-854.29	857.17	-0.017	0.111	11.2	75 R
8.614.00	84.00	262.70	7,733.60	884.80	-74.63	-884.80	887.94	0.006	0.052	5.2	Rot
8.645.00	83.20	262.70	7,737.06	915.36	-78.54	-915.36	918.72	-0.026	0.000	2.6	Rot
8.675.00	87.10	263.40	7,739.59	945.03	-82.16	-945.03	948.60	0.130	0.023	13.2	0-45R