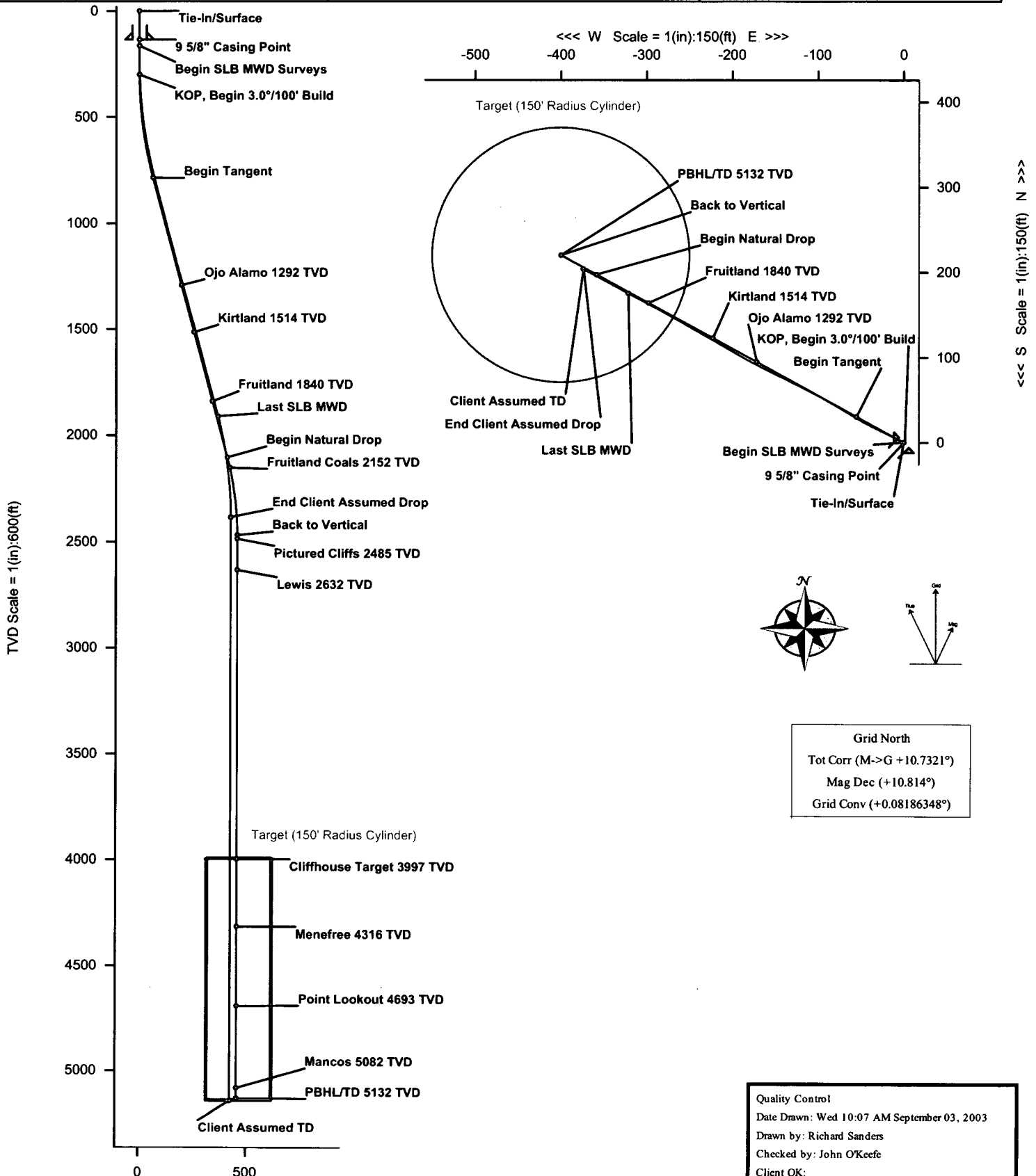


Well Linda Nye 1B			Field San Juan County, New Mexico			Rig AWS 507		
Magnetic Parameters Model BGGM 2003 Dip 63.746° Date September 3, 2003 Mag Dec +10.814° Field Strength 51572.8 nT			Surface Location NAD83 New Mexico State Planes, Western Zone, US Feet Latitude N36 47 54.000 Northing 2109942.16 ftUS Gnd Convergence +0.08186348° Longitude W107 41 48.000 Easting 2763104.60 ftUS Scale Factor 0.9999180000			Miscellaneous Borehole Original Borehole TVD Reference RKB (5750.00 ft above MSL) Plan Rev1 jpk09-Jan-03 Survey Date September 3, 2003		





Linda Nye 1B Final Survey Report

Schlumberger

Report Date: September 3, 2003 Client: BP, San Juan Performance Unit Field: NM, San Juan County (NAD 83 WZ) Structure / Slot: BP 20 30N 8W (Linda Nye 1B) / Linda Nye 1B Well: Linda Nye 1B Borehole: Original Borehole UWVAPI#: Survey Name / Date: Linda Nye 1B Final Surveys / September 3, 2003 Tort / AHD / DDI / ERD ratio: 36.792" / 426.72 ft / 4.200 / 0.083 Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet Location Lat/Long: N 36 47 54.000, W 107 41 48.000 Location Grid N/E Y/X: N 2109942.163 ftUS, E 2763104.601 ftUS Grid Convergence Angle: +0.08186348" Grid Scale Factor: 0.99991850	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 298.800° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 5750.0 ft relative to MSL Sea Bed / Ground Level Elevation: 5736.000 ft relative to MSL Magnetic Declination: 10.814° Total Field Strength: 51572.828 nT Magnetic Dip: 63.746° Declination Date: September 03, 2003 Magnetic Declination Model: BGGM 2003 North Reference: Grid North Total Corr Mag North -> Grid North: +10.732° Local Coordinates Referenced To: Well Head
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Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Tie-In/Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2109942.16	2763104.60	N 36 47 54.000	W 107 41 48.000
Begin SLB MWD Surveys	164.00	0.27	46.39	164.00	-0.12	0.27	0.28	0.16	2109942.43	2763104.88	N 36 47 54.003	W 107 41 47.997
	222.00	0.31	321.13	222.00	-0.01	0.48	0.28	0.68	2109942.65	2763104.88	N 36 47 54.005	W 107 41 47.997
	252.00	0.60	297.42	252.00	0.22	0.62	0.09	1.13	2109942.78	2763104.69	N 36 47 54.006	W 107 41 47.999
	281.00	1.22	291.02	280.99	0.68	0.80	-0.33	2.16	2109942.96	2763104.27	N 36 47 54.008	W 107 41 48.004
	311.00	1.93	295.80	310.98	1.50	1.13	-1.09	2.40	2109943.30	2763103.52	N 36 47 54.011	W 107 41 48.013
	341.00	2.65	294.75	340.96	2.69	1.64	-2.17	2.40	2109943.81	2763102.43	N 36 47 54.016	W 107 41 48.027
	370.00	3.40	297.99	369.92	4.22	2.33	-3.54	2.65	2109944.49	2763101.06	N 36 47 54.023	W 107 41 48.043
	400.00	4.08	300.56	399.85	6.18	3.29	-5.24	2.33	2109945.45	2763099.36	N 36 47 54.033	W 107 41 48.064
	430.00	4.79	299.29	429.76	8.50	4.44	-7.25	2.39	2109946.61	2763097.35	N 36 47 54.044	W 107 41 48.089
	459.00	5.63	297.49	458.64	11.13	5.69	-9.57	2.95	2109947.86	2763095.03	N 36 47 54.056	W 107 41 48.118
	489.00	6.41	294.45	488.48	14.27	7.07	-12.40	2.81	2109949.23	2763092.20	N 36 47 54.070	W 107 41 48.152
	518.00	7.40	293.75	517.27	17.75	8.49	-15.59	3.43	2109950.65	2763089.02	N 36 47 54.084	W 107 41 48.191
	547.00	8.39	295.17	545.99	21.72	10.14	-19.21	3.48	2109952.30	2763085.39	N 36 47 54.101	W 107 41 48.236
	577.00	9.15	296.20	575.64	26.29	12.12	-23.33	2.59	2109954.29	2763081.27	N 36 47 54.120	W 107 41 48.287
	610.00	9.93	296.65	608.18	31.75	14.56	-28.23	2.37	2109956.72	2763076.37	N 36 47 54.144	W 107 41 48.347
	639.00	10.77	296.07	636.71	36.96	16.87	-32.90	2.92	2109959.03	2763071.71	N 36 47 54.167	W 107 41 48.404
	671.00	11.44	296.51	668.11	43.11	19.60	-38.42	2.11	2109961.76	2763066.18	N 36 47 54.194	W 107 41 48.472
	702.00	12.15	297.92	698.46	49.45	22.50	-44.06	2.47	2109964.66	2763060.55	N 36 47 54.223	W 107 41 48.541
	733.00	12.82	299.94	728.73	56.15	25.74	-49.92	2.58	2109967.91	2763054.69	N 36 47 54.255	W 107 41 48.613
	764.00	13.43	301.07	758.92	63.18	29.32	-55.98	2.13	2109971.48	2763048.62	N 36 47 54.291	W 107 41 48.688
	794.00	13.66	301.03	788.08	70.20	32.94	-62.00	0.77	2109975.10	2763042.60	N 36 47 54.327	W 107 41 48.762
	825.00	13.94	300.14	818.19	77.59	36.71	-68.37	1.13	2109978.87	2763036.24	N 36 47 54.364	W 107 41 48.840
	856.00	14.41	300.44	848.24	85.18	40.53	-74.92	1.53	2109982.69	2763029.68	N 36 47 54.402	W 107 41 48.920
	919.00	15.08	299.78	909.17	101.21	48.58	-88.80	1.10	2109990.74	2763015.81	N 36 47 54.482	W 107 41 49.091
	982.00	14.44	297.82	970.09	117.26	56.31	-102.86	1.29	2109998.47	2763001.75	N 36 47 54.558	W 107 41 49.264
	1044.00	14.43	297.08	1030.13	132.71	63.44	-116.57	0.30	2110005.59	2762988.04	N 36 47 54.629	W 107 41 49.432
	1106.00	14.70	296.40	1090.14	148.29	70.45	-130.50	0.52	2110012.61	2762974.12	N 36 47 54.698	W 107 41 49.603
	1169.00	14.72	296.53	1151.07	164.28	77.58	-144.82	0.06	2110019.74	2762959.80	N 36 47 54.769	W 107 41 49.779
	1231.00	15.21	296.44	1210.97	180.28	84.72	-159.15	0.79	2110026.88	2762945.47	N 36 47 54.840	W 107 41 49.955
	1293.00	15.34	297.86	1270.78	196.60	92.17	-173.68	0.64	2110034.33	2762930.94	N 36 47 54.914	W 107 41 50.134
	1355.00	15.23	299.51	1330.59	212.94	100.02	-188.02	0.72	2110042.17	2762916.60	N 36 47 54.992	W 107 41 50.310
	1419.00	14.90	300.87	1392.39	229.57	108.38	-202.39	0.76	2110050.53	2762902.22	N 36 47 55.074	W 107 41 50.487
	1481.00	15.20	300.47	1452.26	245.66	116.59	-216.24	0.51	2110058.75	2762888.38	N 36 47 55.156	W 107 41 50.657
	1543.00	15.01	299.00	1512.12	261.82	124.61	-230.27	0.69	2110066.76	2762874.35	N 36 47 55.235	W 107 41 50.829
	1604.00	14.99	299.98	1571.04	277.60	132.38	-244.01	0.42	2110074.53	2762860.61	N 36 47 55.312	W 107 41 50.998
	1666.00	14.42	300.04	1631.01	293.34	140.25	-257.64	0.92	2110082.40	2762846.98	N 36 47 55.390	W 107 41 51.165
	1728.00	14.40	299.44	1691.06	308.76	147.90	-271.04	0.24	2110090.05	2762833.59	N 36 47 55.466	W 107 41 51.330
	1791.00	14.61	298.60	1752.05	324.54	155.56	-284.84	0.47	2110097.71	2762819.79	N 36 47 55.542	W 107 41 51.499
	1854.00	15.05	297.90	1812.95	340.67	163.19	-299.04	0.75	2110105.34	2762805.59	N 36 47 55.618	W 107 41 51.674
	1915.00	14.46	298.22	1871.94	356.20	170.49	-312.75	0.98	2110112.64	2762791.88	N 36 47 55.690	W 107 41 51.842
Last SLB MWD	1955.00	14.37	298.67	1910.68	366.16	175.24	-321.51	0.36	2110117.39	2762783.12	N 36 47 55.737	W 107 41 51.950
End Client Assumed Drop	2434.00	0.00	298.67	2384.68	425.91	203.91	-373.93	3.00	2110146.05	2762730.70	N 36 47 56.021	W 107 41 52.594
Client Assumed TD	5191.00	0.00	298.67	5141.68	425.91	203.91	-373.93	0.00	2110146.05	2762730.70	N 36 47 56.021	W 107 41 52.594

Survey Type: Raw Survey

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00

1955.00

MD To (ft)

1955.00

5191.00

EOU Freq Survey Tool Type

Act-Stns SLB_MWD-STD

Act-Stns SLB_BLIND



Linda Nye 1B Final Survey Report

Schlumberger

Report Date: September 3, 2003
Client: BP, San Juan Performance Unit
Field: NM, San Juan County (NAD 83 WZ)
Structure / Slot: BP 20 30N 8W (Linda Nye 1B) / Linda Nye 1B
Well: Linda Nye 1B
Borehole: Original Borehole
UWV/API#:
Survey Name / Date: Linda Nye 1B Final Surveys / September 3, 2003
Tort / AHD / DDI / ERD ratio: 36.792" / 426.72 ft / 4.200 / 0.083
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet
Location Lat/Long: N 36 47 54.000, W 107 41 48.000
Location Grid W/E Y/X: N 2109942.163 ftUS, E 2763104.601 ftUS
Grid Convergence Angle: +0.08186348°
Grid Scale Factor: 0.99991850

Survey / DLS Computation Method: Minimum Curvature / Lubinski
Vertical Section Azimuth: 298.800°
Vertical Section Origin: N 0.000 ft, E 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 5750.0 ft relative to MSL
Sea Bed / Ground Level Elevation: 5736.000 ft relative to MSL
Magnetic Declination: 10.814°
Total Field Strength: 51572.828 nT
Magnetic Dip: 63.746°
Declination Date: September 03, 2003
Magnetic Declination Model: BGM 2003
North Reference: Grid North
Total Corr Mag North -> Grid North: +10.732°
Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Tie-In/Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2109942.16	2763104.60	N 36 47 54.000	W 107 41 48.000
Begin SLB MWD Surveys	164.00	0.27	46.39	164.00	-0.12	0.27	0.28	0.16	2109942.43	2763104.88	N 36 47 54.003	W 107 41 47.997
	222.00	0.31	321.13	222.00	-0.01	0.48	0.28	0.68	2109942.65	2763104.88	N 36 47 54.005	W 107 41 47.997
	252.00	0.60	297.42	252.00	0.22	0.62	0.09	1.13	2109942.78	2763104.69	N 36 47 54.006	W 107 41 47.999
	281.00	1.22	291.02	280.99	0.68	0.80	-0.33	2.16	2109942.96	2763104.27	N 36 47 54.008	W 107 41 48.004
	311.00	1.93	295.80	310.98	1.50	1.13	-1.09	2.40	2109943.30	2763103.52	N 36 47 54.011	W 107 41 48.013
	341.00	2.65	294.75	340.96	2.69	1.64	-2.17	2.40	2109943.81	2763102.43	N 36 47 54.016	W 107 41 48.027
	370.00	3.40	297.99	369.92	4.22	2.33	-3.54	2.65	2109944.49	2763101.06	N 36 47 54.023	W 107 41 48.043
	400.00	4.08	300.56	399.85	6.18	3.29	-5.24	2.33	2109945.45	2763099.36	N 36 47 54.033	W 107 41 48.064
	430.00	4.79	299.29	429.76	8.50	4.44	-7.25	2.39	2109946.61	2763097.35	N 36 47 54.044	W 107 41 48.089
	459.00	5.63	297.49	458.64	11.13	5.69	-9.57	2.95	2109947.86	2763095.03	N 36 47 54.056	W 107 41 48.118
	489.00	6.41	294.45	488.48	14.27	7.07	-12.40	2.81	2109949.23	2763092.20	N 36 47 54.070	W 107 41 48.152
	518.00	7.40	293.75	517.27	17.75	8.49	-15.59	3.43	2109950.65	2763089.02	N 36 47 54.084	W 107 41 48.191
	547.00	8.39	295.17	545.99	21.72	10.14	-19.21	3.48	2109952.30	2763085.39	N 36 47 54.101	W 107 41 48.236
	577.00	9.15	296.20	575.64	26.29	12.12	-23.33	2.59	2109954.29	2763081.27	N 36 47 54.120	W 107 41 48.287
	610.00	9.93	296.65	608.18	31.75	14.56	-28.23	2.37	2109956.72	2763076.37	N 36 47 54.144	W 107 41 48.347
	639.00	10.77	296.07	636.71	36.96	16.87	-32.90	2.92	2109959.03	2763071.71	N 36 47 54.167	W 107 41 48.404
	671.00	11.44	296.51	668.11	43.11	19.60	-38.42	2.11	2109961.76	2763066.18	N 36 47 54.194	W 107 41 48.472
	702.00	12.15	297.92	698.46	49.45	22.50	-44.06	2.47	2109964.66	2763060.55	N 36 47 54.223	W 107 41 48.541
	733.00	12.82	299.94	728.73	56.15	25.74	-49.92	2.58	2109967.91	2763054.69	N 36 47 54.255	W 107 41 48.613
	764.00	13.43	301.07	758.92	63.18	29.32	-55.98	2.13	2109971.48	2763048.62	N 36 47 54.291	W 107 41 48.688
	794.00	13.66	301.03	788.08	70.20	32.94	-62.00	0.77	2109975.10	2763042.60	N 36 47 54.327	W 107 41 48.762
	825.00	13.94	300.14	818.19	77.59	36.71	-68.37	1.13	2109978.87	2763036.24	N 36 47 54.364	W 107 41 48.840
	856.00	14.41	300.44	848.24	85.18	40.53	-74.92	1.53	2109982.69	2763029.68	N 36 47 54.402	W 107 41 48.920
	919.00	15.08	299.78	909.17	101.21	48.58	-88.80	1.10	2109990.74	2763015.81	N 36 47 54.482	W 107 41 49.091
	982.00	14.44	297.82	970.09	117.26	56.31	-102.86	1.29	2109998.47	2763001.75	N 36 47 54.558	W 107 41 49.264
	1044.00	14.43	297.08	1030.13	132.71	63.44	-116.57	0.30	2110005.59	2762988.04	N 36 47 54.629	W 107 41 49.432
	1106.00	14.70	296.40	1090.14	148.29	70.45	-130.50	0.52	2110012.61	2762974.12	N 36 47 54.698	W 107 41 49.603
	1169.00	14.72	296.53	1151.07	164.28	77.58	-144.82	0.06	2110019.74	2762959.80	N 36 47 54.769	W 107 41 49.779
	1231.00	15.21	296.44	1210.97	180.28	84.72	-159.15	0.79	2110026.88	2762945.47	N 36 47 54.840	W 107 41 49.955
	1293.00	15.34	297.86	1270.78	196.60	92.17	-173.68	0.64	2110034.33	2762930.94	N 36 47 54.914	W 107 41 50.134
	1355.00	15.23	299.51	1330.59	212.94	100.02	-188.02	0.72	2110042.17	2762916.60	N 36 47 54.992	W 107 41 50.310
	1419.00	14.90	300.87	1392.39	229.57	108.38	-202.39	0.76	2110050.53	2762902.22	N 36 47 55.074	W 107 41 50.487
	1481.00	15.20	300.47	1452.26	245.66	116.59	-216.24	0.51	2110058.75	2762888.38	N 36 47 55.156	W 107 41 50.657
	1543.00	15.01	299.00	1512.12	261.82	124.61	-230.27	0.69	2110066.76	2762874.35	N 36 47 55.235	W 107 41 50.829
	1604.00	14.99	299.98	1571.04	277.60	132.38	-244.01	0.42	2110074.53	2762860.61	N 36 47 55.312	W 107 41 50.998
	1666.00	14.42	300.04	1631.01	293.34	140.25	-257.64	0.92	2110082.40	2762846.98	N 36 47 55.390	W 107 41 51.165
	1728.00	14.40	299.44	1691.06	308.76	147.90	-271.04	0.24	2110090.05	2762833.59	N 36 47 55.466	W 107 41 51.330
	1791.00	14.61	298.60	1752.05	324.54	155.56	-284.84	0.47	2110097.71	2762819.79	N 36 47 55.542	W 107 41 51.499
	1854.00	15.05	297.90	1812.95	340.67	163.19	-299.04	0.75	2110105.34	2762805.59	N 36 47 55.618	W 107 41 51.674
	1915.00	14.46	298.22	1871.94	356.20	170.49	-312.75	0.98	2110112.64	2762791.88	N 36 47 55.690	W 107 41 51.842
Last SLB MWD	1955.00	14.37	298.67	1910.68	366.16	175.24	-321.51	0.36	2110117.39	2762783.12	N 36 47 55.737	W 107 41 51.950
End Client Assumed Drop	2434.00	0.00	298.67	2384.68	425.91	203.91	-373.93	3.00	2110146.05	2762730.70	N 36 47 56.021	W 107 41 52.594
Client Assumed TD	5191.00	0.00	298.67	5141.68	425.91	203.91	-373.93	0.00	2110146.05	2762730.70	N 36 47 56.021	W 107 41 52.594

Survey Type: Raw Survey

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00

1955.00

MD To (ft)

1955.00

5191.00

EOU Freq Survey Tool Type

Act-Sins SLB_MWD-STD

Act-Sins SLB_BLIND