



Great Western Operating Co, LLC  
 Directional Survey Report  
 Wellpath: Brant LE 08-319HC  
 MDs and TVDs are from Rig Floor 4978.0ft above Mean Sea Level

**Wellpath Report**

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	DLS [deg/100ft]	Vertical Section[ft]
0.00	0.00	0.00	0.00	0.00	0.00		0.00
80.00	0.04	309.39	80.00	0.02	-0.02	0.05	0.02
168.00	0.22	220.10	168.00	-0.09	-0.15	0.25	-0.07
251.00	0.26	211.75	251.00	-0.37	-0.36	0.06	-0.33
343.00	0.35	265.98	343.00	-0.57	-0.75	0.31	-0.49
433.00	1.45	356.24	432.99	0.55	-1.09	1.66	0.66
523.00	0.97	339.45	522.97	2.40	-1.44	0.66	2.54
613.00	1.76	339.10	612.94	4.40	-2.20	0.88	4.61
702.00	1.85	356.33	701.90	7.11	-2.78	0.62	7.37
792.00	2.07	15.93	791.85	10.12	-2.42	0.78	10.33
882.00	2.24	18.39	881.78	13.36	-1.42	0.21	13.43
972.00	2.59	357.65	971.70	17.06	-0.95	1.04	17.06
1062.00	2.20	6.61	1061.63	20.80	-0.84	0.60	20.77
1152.00	1.89	0.90	1151.57	24.00	-0.61	0.41	23.93
1242.00	1.63	354.39	1241.53	26.76	-0.72	0.36	26.68
1332.00	1.58	1.95	1331.49	29.28	-0.80	0.24	29.19
1422.00	1.80	352.46	1421.45	31.92	-0.94	0.39	31.83
1512.00	1.76	342.97	1511.41	34.64	-1.53	0.33	34.60
1602.00	1.45	350.79	1601.37	37.09	-2.12	0.42	37.10
1692.00	1.54	358.09	1691.34	39.42	-2.34	0.23	39.44
1782.00	1.32	345.61	1781.31	41.63	-2.64	0.42	41.67
1872.00	1.54	336.47	1871.29	43.74	-3.38	0.35	43.85
1961.00	1.49	330.66	1960.26	45.85	-4.42	0.18	46.06
2018.00	1.49	330.66	2017.24	47.14	-5.15	==>	47.42