



Noble Energy SHL-26E-HS Gyro+MWD 0ft to update Survey Report

(Non-Def Survey)

Report Date: January 21, 2014 - 11:48 AM
 Client: Noble Energy
 Field: WV Marshall County (NAD 27)
 Structure / Stot: Noble Energy SHL-26 Pad / SHL-26E-HS
 Well: SHL-26E-HS
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Noble Energy SHL-26E-HS Gyro+MWD 0ft to update
 Survey Date: January 14, 2014
 Tort / AHD / DDI / ERD Ratio: 200.825 / 7978.797 / 1 / 0.524 / 1.196
 Coordinate Reference System: NAD27 West Virginia State Plane, Northern Zone, US Feet
 Location Lat / Long: N 39° 58' 23.17071", W 80° 32' 54.22751"
 Location Grid N/E T/X: N 538259.654 NUGS, E 1706173.846 NUGS
 CRS Grid Convergence Angle: -0.6686"
 Grid Scale Factor: 0.99995900
 Version / Patch: 2.7.1043.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 320.254 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RB
 TVD Reference Elevation: 1331.970 ft above MSL
 Seabed / Ground Elevation: 1309.160 ft above MSL
 Magnetic Declination: -8.417 °
 Total Gravity Field Strength: 999.3453mgals (0.850605 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 53115.365 nT
 Magnetic Dip Angle: 67.502 °
 Declination Date: January 14, 2014
 Magnetic Declination Model: HDGM 2013
 North Reference: Grid North
 Grid Convergence Used: -0.6686 °
 Total Corr Mag North->Grid North: -7.7483 °
 Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	RR (°/100ft)	TR (°/100ft)	Northing (NUGS)	Easting (EUGS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Directional Difficulty Index
SHL	0.00	0.00	0.00	0.00	-1331.97	0.00	0.00	0.00	N/A	N/A	N/A	538259.65	1706173.85	N 39 58 23.17 W	80 32 54.23	0.00
	15.00	1.30	117.92	110.29	-1221.68	-1.24	-0.03	1.18	1.20	1.26	0.00	538259.03	1706175.03	N 39 58 23.16 W	80 32 54.21	0.27
	210.00	1.44	124.37	210.26	-1121.71	-3.57	-1.90	3.28	0.17	0.25	0.45	538257.75	1706177.14	N 39 58 23.15 W	80 32 54.18	0.77
	310.00	1.18	124.61	310.23	-1021.74	-5.77	-3.20	5.18	0.20	0.20	0.24	538256.46	1706179.02	N 39 58 23.14 W	80 32 54.16	1.04
	410.00	1.68	119.55	410.21	-921.70	-7.64	-4.25	6.84	0.14	-0.10	-0.08	538255.41	1706180.65	N 39 58 23.13 W	80 32 54.14	1.20
	510.00	0.67	123.68	510.20	-821.77	-9.08	-5.04	8.15	0.41	-0.41	-4.13	538254.62	1706181.99	N 39 58 23.12 W	80 32 54.12	1.39
	610.00	0.51	142.85	610.20	-721.77	-10.09	-5.72	8.90	0.25	-0.16	19.17	538253.94	1706182.76	N 39 58 23.12 W	80 32 54.11	1.44
	709.00	0.34	268.68	709.19	-622.78	-10.20	-5.93	8.91	0.84	-0.17	157.40	538253.73	1706182.76	N 39 58 23.11 W	80 32 54.11	1.58
	744.00	0.25	229.00	743.89	-568.08	-10.16	-5.93	8.76	0.98	-0.26	-198.21	538253.73	1706182.61	N 39 58 23.11 W	80 32 54.11	1.63
	794.00	0.34	71.87	793.89	-538.08	-10.22	-5.93	8.82	1.10	0.18	-316.00	538253.71	1706182.67	N 39 58 23.11 W	80 32 54.11	1.70
	854.00	0.48	350.86	854.89	-477.08	-10.00	-5.64	8.95	0.89	0.23	-132.80	538254.01	1706182.80	N 39 58 23.12 W	80 32 54.11	1.76
	916.00	0.67	342.89	915.89	-416.08	-9.41	-4.95	8.78	0.68	0.64	-13.39	538254.71	1706182.62	N 39 58 23.12 W	80 32 54.11	1.82
	977.00	1.25	331.92	976.88	-355.09	-8.33	-3.92	8.32	0.62	0.62	-17.60	538255.74	1706182.17	N 39 58 23.13 W	80 32 54.12	1.89
	1039.00	1.17	343.62	1038.86	-293.11	-7.09	-2.73	7.83	0.41	-0.13	16.71	538256.94	1706181.67	N 39 58 23.14 W	80 32 54.13	1.95
	1101.00	1.15	339.85	1100.85	-231.12	-5.91	-1.54	7.43	0.17	0.02	-5.92	538258.15	1706181.27	N 39 58 23.16 W	80 32 54.13	1.99
	1162.00	0.95	335.08	1161.84	-170.13	-4.83	-0.46	7.60	0.40	-0.38	-7.85	538259.20	1706180.84	N 39 58 23.17 W	80 32 54.14	2.04
	1188.00	0.94	320.69	1187.84	-144.13	-4.40	-0.09	6.77	0.92	0.04	-65.27	538259.50	1706180.61	N 39 58 23.17 W	80 32 54.14	2.08
	1320.00	0.91	342.18	1319.82	-12.15	-2.32	1.78	5.75	0.27	-0.04	16.28	538261.41	1706179.50	N 39 58 23.19 W	80 32 54.15	2.14
	1368.00	1.39	325.11	1367.81	-35.84	-1.39	2.60	5.30	1.22	1.00	-35.52	538262.25	1706179.14	N 39 58 23.20 W	80 32 54.16	2.19
	1415.00	2.22	307.66	1414.79	82.82	0.07	3.62	4.25	2.12	1.77	-35.45	538263.27	1706178.09	N 39 58 23.21 W	80 32 54.17	2.28
	1462.00	2.91	299.83	1461.74	129.77	2.07	4.76	2.48	1.62	1.47	-15.28	538264.41	1706176.33	N 39 58 23.22 W	80 32 54.20	2.35
	1509.00	3.70	291.35	1508.08	178.89	4.52	5.90	0.04	1.98	1.69	-18.15	538265.66	1706173.88	N 39 58 23.23 W	80 32 54.23	2.44
	1557.00	4.64	281.94	1556.53	224.56	7.40	6.87	-3.30	2.42	1.95	-19.60	538266.52	1706170.54	N 39 58 23.24 W	80 32 54.27	2.54
	1604.00	5.48	279.01	1603.35	271.38	10.57	7.02	-7.38	1.87	1.79	-6.23	538267.27	1706168.47	N 39 58 23.25 W	80 32 54.32	2.63
	1651.00	5.62	280.25	1650.13	318.10	14.02	8.38	-15.98	0.30	0.30	-2.64	538268.03	1706161.98	N 39 58 23.25 W	80 32 54.38	2.69
	1698.00	5.89	280.07	1696.89	364.92	17.63	9.24	-18.50	0.58	0.57	-0.38	538268.98	1706157.38	N 39 58 23.26 W	80 32 54.44	2.75
	1746.00	6.11	280.65	1744.03	412.66	21.48	10.11	-21.44	0.48	0.48	1.21	538269.76	1706152.41	N 39 58 23.27 W	80 32 54.50	2.80
	1841.00	4.29	272.17	1839.24	507.27	27.75	11.18	-29.96	2.07	-1.92	-8.93	538270.83	1706143.89	N 39 58 23.28 W	80 32 54.61	2.93
	1935.00	4.05	268.04	1932.09	601.02	32.13	11.20	-38.79	0.43	-0.26	-4.30	538270.85	1706137.00	N 39 58 23.28 W	80 32 54.70	2.99
	2030.00	3.73	264.42	2027.77	695.80	35.92	10.78	-43.22	0.42	-0.34	-3.81	538270.44	1706130.63	N 39 58 23.27 W	80 32 54.78	3.05
	2125.00	2.78	265.70	2122.02	790.65	39.99	10.31	-48.50	1.09	-1.09	1.35	538269.96	1706125.26	N 39 58 23.27 W	80 32 54.85	3.18
	2219.00	1.91	266.15	2216.54	884.57	41.24	10.03	-52.43	0.93	-0.93	0.46	538269.09	1706121.42	N 39 58 23.26 W	80 32 54.90	3.15
	2314.00	1.15	247.17	2311.50	979.53	42.45	9.57	-54.80	0.94	-0.80	-19.41	538269.22	1706118.56	N 39 58 23.26 W	80 32 54.93	3.18
	2408.00	1.27	248.83	2405.45	1073.51	43.06	8.83	-56.73	0.13	0.13	1.10	538268.49	1706117.12	N 39 58 23.25 W	80 32 54.96	3.19
	2503.00	0.90	251.43	2500.48	1168.49	43.67	8.21	-58.42	0.39	-0.39	2.74	538267.87	1706115.43	N 39 58 23.25 W	80 32 54.98	3.21
	2598.00	0.74	253.10	2595.45	1263.48	44.18	7.80	-59.71	0.17	-0.17	1.82	538267.45	1706114.11	N 39 58 23.24 W	80 32 55.00	3.22
	2692.00	0.68	259.18	2689.45	1357.48	44.68	7.52	-60.84	0.10	-0.06	6.40	538267.17	1706113.01	N 39 58 23.24 W	80 32 55.01	3.23
	2787.00	0.59	250.35	2784.44	1452.47	45.21	7.16	-62.09	0.25	0.22	-9.29	538266.82	1706111.70	N 39 58 23.23 W	80 32 55.03	3.24
	2882.00	1.06	257.11	2879.42	1547.45	45.86	6.72	-63.84	0.22	0.16	7.12	538266.37	1706110.21	N 39 58 23.23 W	80 32 55.05	3.26

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Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	MS (ft)	EW (ft)	DLS (ft100ft)	BR (ft100ft)	TR (ft100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °'")	Longitude (E/W °'")	Directional Difficulty Index
	2078.00	1.32	257.05	2973.40	1641.43	46.74	6.28	-65.55	0.28	0.28	-0.06	538265.94	1706108.30	N 39 58 23.23	W 80 32 55.07	3.27
	3071.00	1.53	262.88	3068.37	1736.40	47.82	5.88	-67.87	0.27	0.22	6.14	538265.54	1706105.68	N 39 58 23.22	W 80 32 55.10	3.29
	3166.00	1.82	258.88	3163.33	1831.36	49.32	5.43	-70.61	0.33	0.31	-4.21	538265.09	1706103.24	N 39 58 23.22	W 80 32 55.14	3.31
	3160.00	1.90	259.20	3177.33	1845.36	49.54	5.35	-71.06	0.58	0.57	2.28	538265.00	1706102.79	N 39 58 23.22	W 80 32 55.14	3.31
	3297.00	1.95	259.48	3294.26	1902.29	51.45	4.82	-74.92	0.04	0.04	0.24	538264.27	1706098.83	N 39 58 23.21	W 80 32 55.19	3.33
	3391.00	0.34	262.12	3368.24	2056.27	52.38	4.29	-76.77	1.71	-1.71	2.81	538263.94	1706097.08	N 39 58 23.20	W 80 32 55.21	3.37
	3485.00	0.60	30.10	3482.24	2150.27	52.70	4.68	-78.80	0.91	0.28	138.15	538264.33	1706097.05	N 39 58 23.21	W 80 32 55.21	3.39
	3560.00	0.61	23.66	3577.23	2245.26	53.17	5.72	-76.28	0.24	0.22	-6.78	538265.38	1706097.57	N 39 58 23.22	W 80 32 55.21	3.40
	3675.00	0.72	12.33	3672.22	2340.25	53.84	6.92	-76.68	0.18	-0.09	-11.83	538266.57	1706097.97	N 39 58 23.23	W 80 32 55.20	3.40
	3769.00	0.47	2.72	3760.22	2434.25	54.49	7.88	-75.74	0.29	-0.27	-10.22	538267.54	1706098.11	N 39 58 23.24	W 80 32 55.20	3.41
	3863.00	0.39	336.17	3860.21	2528.24	55.08	8.56	-75.85	0.23	-0.09	-28.24	538268.21	1706098.00	N 39 58 23.25	W 80 32 55.20	3.42
	3958.00	0.41	338.13	3956.21	2623.24	55.71	9.17	-76.10	0.03	0.02	2.00	538268.83	1706097.74	N 39 58 23.25	W 80 32 55.21	3.42
	4053.00	0.44	343.56	4050.21	2718.24	56.37	9.84	-76.33	0.05	0.03	8.72	538269.49	1706097.52	N 39 58 23.26	W 80 32 55.21	3.43
	4147.00	0.49	329.13	4144.21	2812.24	57.10	10.53	-76.64	0.13	0.05	-15.35	538270.18	1706097.21	N 39 58 23.27	W 80 32 55.21	3.43
	4242.00	0.27	316.12	4239.20	2907.23	57.72	11.04	-77.01	0.25	-0.23	-13.69	538270.69	1706096.84	N 39 58 23.27	W 80 32 55.22	3.44
	4337.00	0.20	303.90	4334.20	3002.23	58.11	11.29	-77.30	0.09	-0.07	-12.86	538270.95	1706096.55	N 39 58 23.27	W 80 32 55.22	3.44
	4431.00	0.27	307.28	4428.20	3096.23	58.48	11.62	-77.61	0.08	0.07	3.60	538271.17	1706096.24	N 39 58 23.28	W 80 32 55.23	3.44
	4526.00	0.31	306.92	4523.20	3191.23	58.95	11.81	-77.99	0.04	0.04	-0.38	538271.46	1706095.85	N 39 58 23.28	W 80 32 55.23	3.45
	4620.00	0.29	292.02	4617.20	3285.23	59.40	12.05	-78.42	0.09	-0.02	-15.85	538271.70	1706095.43	N 39 58 23.28	W 80 32 55.24	3.45
	4715.00	0.31	297.50	4712.20	3380.23	59.85	12.26	-78.87	0.04	0.02	5.77	538271.91	1706094.98	N 39 58 23.28	W 80 32 55.24	3.45
	4810.00	0.39	285.37	4807.20	3475.23	60.28	12.35	-79.42	0.22	0.08	-33.82	538272.00	1706094.43	N 39 58 23.28	W 80 32 55.25	3.46
	4904.00	0.14	235.88	4901.20	3569.23	60.47	12.26	-79.83	0.20	-0.27	-31.59	538271.01	1706094.02	N 39 58 23.28	W 80 32 55.25	3.46
	4999.00	0.11	246.09	4996.19	3664.22	60.51	12.16	-80.01	0.04	-0.03	10.98	538271.81	1706093.84	N 39 58 23.28	W 80 32 55.26	3.47
	5093.00	0.22	214.57	5090.19	3758.22	60.48	11.97	-80.20	0.15	0.12	-33.53	538271.63	1706093.65	N 39 58 23.28	W 80 32 55.26	3.47
	5188.00	0.27	224.51	5185.19	3853.22	60.41	11.66	-80.46	0.07	0.05	10.46	538271.32	1706093.39	N 39 58 23.28	W 80 32 55.26	3.47
	5235.00	0.24	250.64	5232.19	3900.22	60.43	11.55	-80.63	0.25	-0.06	55.60	538271.21	1706093.22	N 39 58 23.28	W 80 32 55.26	3.47
	5283.00	1.21	263.88	5280.19	3948.22	60.76	11.48	-81.23	2.04	2.02	27.58	538271.12	1706092.62	N 39 58 23.27	W 80 32 55.27	3.49
	5330.00	3.73	265.10	5327.14	3995.17	61.00	11.28	-83.24	5.38	5.36	2.79	538270.94	1706090.61	N 39 58 23.27	W 80 32 55.30	3.54
	5378.00	5.82	276.23	5374.97	4043.00	64.55	11.42	-87.22	4.74	4.35	23.00	538271.07	1706088.63	N 39 58 23.27	W 80 32 55.35	3.59
	5425.00	7.78	287.27	5421.64	4089.07	68.93	12.62	-92.63	4.90	4.17	23.49	538272.27	1706081.22	N 39 58 23.26	W 80 32 55.42	3.64
	5472.00	9.37	289.68	5468.12	4136.15	74.89	14.85	-99.27	3.47	3.38	5.13	538274.51	1706074.58	N 39 58 23.31	W 80 32 55.50	3.68
	5519.00	10.80	285.14	5514.38	4182.41	81.81	17.30	-107.15	3.60	3.17	-9.66	538276.95	1706066.71	N 39 58 23.33	W 80 32 55.61	3.73
	5567.00	12.47	280.28	5501.39	4229.42	80.48	16.40	-118.61	3.83	3.35	-10.17	538279.06	1706057.24	N 39 58 23.35	W 80 32 55.73	3.78
	5614.00	14.21	276.32	5607.12	4275.15	87.82	20.94	-127.34	4.17	3.70	-8.38	538280.59	1706048.51	N 39 58 23.36	W 80 32 55.87	3.83
	5662.00	15.79	274.64	5653.49	4321.52	106.33	22.12	-139.70	3.41	3.29	-3.50	538281.77	1706034.15	N 39 58 23.37	W 80 32 56.03	3.86
	5705.00	17.26	272.70	5694.71	4362.74	114.73	22.89	-151.90	3.63	3.40	-4.51	538282.54	1706021.95	N 39 58 23.38	W 80 32 56.18	3.92
	5753.00	20.83	274.26	5740.08	4408.11	125.48	23.86	-167.63	7.53	7.48	3.25	538283.51	1706000.32	N 39 58 23.39	W 80 32 56.38	3.99
	5800.00	25.08	277.80	5783.25	4451.28	138.79	25.87	-185.96	10.73	10.32	7.53	538286.52	1705987.89	N 39 58 23.40	W 80 32 56.62	4.04
	5847.00	28.81	280.03	5823.03	4493.06	154.96	29.22	-207.21	7.00	6.60	4.74	538288.87	1705966.64	N 39 58 23.44	W 80 32 56.89	4.17
	5894.00	31.07	280.98	5863.76	4533.70	172.99	33.50	-230.27	4.81	4.81	2.02	538293.16	1705943.58	N 39 58 23.48	W 80 32 57.19	4.20
	5942.00	34.34	281.91	5906.14	4574.17	193.21	38.68	-255.69	6.69	6.61	1.84	538298.31	1705918.17	N 39 58 23.52	W 80 32 57.52	4.26
	5939.00	39.14	281.42	5943.79	4611.82	215.17	44.23	-283.21	10.23	10.21	-1.04	538303.99	1705890.65	N 39 58 23.56	W 80 32 57.87	4.33
	6030.00	44.16	280.90	6048.93	4648.93	239.40	50.37	-313.85	10.71	10.68	-1.11	538310.02	1705860.01	N 39 58 23.63	W 80 32 58.27	4.41
	6083.00	44.71	280.19	6012.48	4680.49	264.71	56.39	-346.20	1.56	1.17	-1.51	538310.04	1705827.66	N 39 58 23.69	W 80 32 58.68	4.45
	6131.00	44.37	281.70	6046.66	4714.71	290.76	62.78	-370.25	2.32	-0.71	3.18	538322.43	1705784.61	N 39 58 23.75	W 80 32 59.11	4.49
	6178.00	44.38	280.40	6080.27	4748.30	316.23	69.08	-411.51	1.93	0.02	-2.77	538326.73	1705762.35	N 39 58 23.81	W 80 32 59.52	4.53
	6226.00	43.09	280.41	6114.95	4782.98	341.70	75.07	-444.15	2.69	-2.69	0.02	538334.73	1705729.72	N 39 58 23.86	W 80 32 59.94	4.57
	6273.00	41.47	284.24	6149.73	4817.76	366.62	81.81	-475.03	6.47	-3.45	6.15	538341.46	1705698.84	N 39 58 23.92	W 80 33 0.34	4.62
	6320.00	40.36	289.42	6185.25	4853.28	392.15	90.44	-504.56	8.28	-3.36	8.99	538350.09	1705668.31	N 39 58 24.01	W 80 33 0.72	4.66
	6367.00	39.94	287.16	6221.18	4889.21	417.72	99.70	-533.41	1.95	-0.89	-2.68	538358.35	1705640.48	N 39 58 24.09	W 80 33 1.09	4.68
	6415.00	40.03	282.17	6257.97	4920.20	442.78	107.51	-563.23	6.68	0.18	-10.40	538367.16	1705610.64	N 39 58 24.17	W 80 33 1.48	4.73
	6462.00	39.92	279.88	6293.99	4962.02	468.17	113.28	-592.88	3.14	-0.23	-4.87	538372.93	1705581.01	N 39 58 24.22	W 80 33 1.86	4.76
	6509.00	39.96	279.79	6330.02	4998.05	499.14	118.43	-622.59	0.15	0.09	-0.19	538378.08	1705551.28	N 39 58 24.27	W 80 33 2.24	4.78
	6556.00	40.70	281.71	6365.85	5033.88	512.61	124.11	-652.47	3.08	1.67	4.09	538383.76	1705521.40	N 39 58 24.32	W 80 33 2.63	4.81
	6604.00	41.31	282.73	6402.08	5070.11	537.42	130.78	-683.25	1.89	1.27	2.13	538390.43	1705490.62	N 39 58 24.36	W 80 33 3.02	4.83
	6651.00	44.47	289.98	6436.53	5104.66	563.90	139.83	-713.88	12.43	8.72	15.38	538398.47	1705459.99	N 39 58 24.47	W 80 33 3.42	4.88
	6699.00	48.03	294.60	6469.72	5137.75	594.58	153.00	-745.93	10.18	7.42	9.87	538412.85	1705427.95	N 39 58 24.60	W 80 33 3.83	4.92
	6746.00	50.50	298.33	6500.40	5168.43	627.16	168.88	-777.79	7.88	5.26	7.94	538426.53	1705396.09	N 39 58 24.75	W 80 33 4.24	4.95
	6793.00	53.26	300.16	6529.41	5197.44	661.68	186.96	-810.04	6.82	5.87	3.89	538446.60	1705363.84	N 39 58 24.92	W 80 33 4.66	4.99
	6840.00	57.55	303.49	6556.10	5224.13	698.37	207.37	-842.89	10.83	9.13	7.09	538467.02	1705331.00	N 39 58 25.12	W 80 33 5.08	5.03
	6888.00	62.21	306.08	6580.18	5248.21	738.44	231.25	-876.83	11.28	9.71	6.85	538480.89	1705297.08	N 39 58 25.35	W 80 33 5.52	5.07
	6935.00	66.47	310.30	6600.53	5268.56	778.00	257.62	-909.90	11.42	9.06	7.70	538517.27	1705263.03	N 39 58		

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	TVDSS (ft)	YSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	BR (ft/100ft)	TR (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° °' °'')	Longitude (E/W ° °' °'')	Directional Difficulty Index
	6982.00	89.56	311.90	6618.13	5285.16	822.82	286.27	-942.79	7.29	6.57	3.40	538545.91	1705231.10	N 39 58 25.89 W	80 33 8.38	5.14
	7029.00	72.42	314.45	6833.44	5301.47	867.01	316.68	-875.18	7.86	6.09	5.43	538576.32	1705189.70	N 39 58 26.19 W	80 33 6.80	5.17
	7077.00	76.05	316.53	6848.24	5314.22	813.10	348.68	-1007.60	9.75	8.81	4.33	538609.30	1705166.29	N 39 58 26.51 W	80 33 7.22	5.21
	7124.00	78.91	319.91	6856.10	5324.27	958.99	383.91	-1038.19	8.52	4.81	7.19	538643.55	1705135.70	N 39 58 26.84 W	80 33 7.62	5.24
	7171.00	80.89	321.49	6864.43	5332.46	1005.26	419.72	-1067.50	5.36	4.21	3.36	538679.38	1705106.39	N 39 58 27.19 W	80 33 8.00	5.27
	7218.00	85.16	323.23	6870.13	5339.18	1051.87	456.65	-1095.98	9.84	9.13	3.70	538716.29	1705077.91	N 39 58 27.56 W	80 33 8.37	5.30
	7266.00	89.07	325.52	6872.53	5340.56	1099.07	495.61	-1123.89	9.40	6.10	4.77	538755.25	1705050.00	N 39 58 27.94 W	80 33 8.74	5.33
	7297.00	90.17	326.30	6872.74	5340.77	1136.52	521.28	-1141.27	4.35	3.56	2.52	538789.92	1705032.63	N 39 58 28.19 W	80 33 8.96	5.35
	7360.00	90.65	326.02	6872.29	5340.32	1103.19	573.61	-1176.35	0.68	0.76	-0.44	538833.24	1704997.55	N 39 58 28.70 W	80 33 9.42	5.37
	7455.00	90.36	324.85	6871.43	5339.40	1267.60	651.74	-1230.38	1.47	-0.28	-1.44	538911.37	1704943.52	N 39 58 29.47 W	80 33 10.13	5.41
	7549.00	89.72	325.27	6871.35	5339.39	1361.49	726.70	-1284.35	0.86	-0.70	0.66	538988.33	1704889.55	N 39 58 30.22 W	80 33 10.83	5.45
	7644.00	89.76	326.13	6871.78	5339.81	1476.05	807.10	-1337.89	0.91	0.91	0.91	539066.60	1704836.02	N 39 58 30.99 W	80 33 11.53	5.48
	7739.00	90.26	325.34	6871.75	5339.78	1570.82	885.69	-1391.37	1.00	0.56	-0.63	539145.31	1704782.54	N 39 58 31.76 W	80 33 12.23	5.51
	7833.00	90.17	326.37	6871.38	5339.41	1664.17	963.49	-1444.13	1.10	-0.12	1.10	539223.10	1704729.78	N 39 58 32.52 W	80 33 12.92	5.54
	7928.00	89.97	326.40	6871.27	5339.30	1758.82	1042.60	-1496.72	0.21	-0.21	0.03	539302.21	1704677.10	N 39 58 33.30 W	80 33 13.61	5.57
	8023.00	90.34	325.05	6871.01	5339.04	1853.19	1121.10	-1550.22	1.47	0.39	-1.42	539380.71	1704623.69	N 39 58 34.07 W	80 33 14.31	5.60
	8117.00	90.10	325.07	6870.85	5338.88	1948.86	1198.18	-1604.06	0.26	-0.26	0.02	539457.76	1704569.88	N 39 58 34.83 W	80 33 15.01	5.62
	8212.00	90.21	324.90	6870.39	5338.42	2041.53	1275.96	-1658.57	0.21	0.12	-0.18	539535.56	1704515.35	N 39 58 35.59 W	80 33 15.72	5.65
	8307.00	90.52	324.90	6869.79	5337.82	2136.22	1353.69	-1713.19	0.33	0.33	0.00	539613.28	1704460.73	N 39 58 36.35 W	80 33 16.43	5.67
	8401.00	90.03	324.82	6869.33	5337.36	2229.92	1430.55	-1767.29	0.53	-0.52	-0.09	539690.15	1704406.63	N 39 58 37.10 W	80 33 17.14	5.69
	8496.00	90.29	325.21	6869.08	5337.11	2324.59	1509.39	-1821.76	0.49	0.26	0.41	539767.98	1704352.16	N 39 58 37.87 W	80 33 17.85	5.72
	8591.00	90.24	324.22	6868.65	5336.68	2419.30	1595.93	-1876.84	1.04	-0.04	-1.04	539845.52	1704297.29	N 39 58 38.63 W	80 33 18.57	5.74
	8685.00	90.24	323.60	6868.25	5336.28	2513.09	1681.99	-1931.88	0.45	0.00	-0.45	539921.57	1704242.05	N 39 58 39.37 W	80 33 19.29	5.76
	8780.00	90.21	323.72	6867.88	5335.91	2607.82	1736.61	-1988.04	0.09	-0.03	-0.08	539998.19	1704185.89	N 39 58 40.12 W	80 33 20.02	5.78
	8875.00	90.21	323.98	6867.53	5335.56	2702.73	1815.32	-2044.08	0.27	0.00	0.27	540074.90	1704129.66	N 39 58 40.87 W	80 33 20.75	5.80
	8969.00	90.24	323.95	6867.16	5335.19	2796.53	1891.33	-2099.38	0.05	0.03	-0.03	540150.90	1704074.56	N 39 58 41.62 W	80 33 21.48	5.82
	9064.00	90.38	323.96	6866.65	5334.68	2891.33	1968.14	-2155.27	0.15	0.15	0.01	540227.71	1704018.66	N 39 58 42.37 W	80 33 22.21	5.84
	9158.00	90.45	323.60	6865.97	5334.00	2985.15	2043.98	-2210.82	0.39	-0.38	-0.38	540303.54	1703963.12	N 39 58 43.11 W	80 33 22.93	5.86
	9253.00	90.34	323.74	6865.31	5333.34	3079.98	2120.51	-2267.10	0.19	-0.12	0.15	540380.07	1703906.85	N 39 58 43.86 W	80 33 23.66	5.87
	9348.00	90.27	324.53	6864.81	5332.84	3174.76	2197.49	-2322.75	0.83	-0.07	0.83	540457.05	1703851.19	N 39 58 44.62 W	80 33 24.39	5.89
	9442.00	90.45	323.98	6864.22	5332.25	3268.55	2273.58	-2377.94	1.05	0.19	-1.03	540533.14	1703796.00	N 39 58 45.36 W	80 33 25.11	5.91
	9537.00	90.55	324.62	6863.39	5331.42	3363.33	2350.52	-2433.68	1.12	0.11	1.12	540610.68	1703740.29	N 39 58 46.12 W	80 33 25.84	5.93
	9631.00	90.41	324.14	6862.60	5330.63	3457.08	2426.93	-2488.40	0.53	-0.15	-0.51	540686.48	1703685.55	N 39 58 46.87 W	80 33 26.55	5.95
	9726.00	90.10	325.53	6862.18	5330.21	3551.78	2504.59	-2543.12	1.50	-0.33	1.46	540764.14	1703630.84	N 39 58 47.63 W	80 33 27.27	5.97
	9820.00	90.03	325.89	6862.07	5330.10	3645.35	2582.25	-2598.07	0.39	-0.07	0.38	540841.80	1703577.88	N 39 58 48.39 W	80 33 27.98	5.98
	9915.00	89.62	324.87	6862.38	5330.39	3739.98	2660.48	-2648.98	1.06	-0.43	-0.97	540920.02	1703523.98	N 39 58 49.15 W	80 33 28.66	6.00
	10010.00	89.62	325.07	6862.89	5331.02	3834.63	2738.32	-2704.44	0.11	0.00	0.11	540997.85	1703469.52	N 39 58 49.92 W	80 33 29.38	6.01
	10104.00	90.00	325.54	6863.30	5331.33	3928.27	2815.60	-2757.94	0.64	0.40	0.50	541075.13	1703416.02	N 39 58 50.67 W	80 33 30.07	6.03
	10199.00	90.14	324.04	6863.19	5331.22	4022.91	2893.65	-2812.11	0.65	0.15	-0.63	541153.18	1703361.86	N 39 58 51.44 W	80 33 30.76	6.04
	10294.00	90.34	325.22	6862.79	5330.82	4117.57	2971.54	-2866.49	0.36	0.21	0.29	541231.07	1703307.48	N 39 58 52.20 W	80 33 31.49	6.06
	10389.00	91.06	327.76	6861.63	5329.68	4211.99	3050.74	-2918.93	2.78	0.76	2.67	541310.26	1703253.05	N 39 58 52.93 W	80 33 32.18	6.08
	10483.00	90.69	325.21	6860.10	5328.22	4305.42	3129.10	-2970.82	2.74	-0.30	-2.71	541388.62	1703203.16	N 39 58 53.75 W	80 33 32.88	6.10
	10578.00	90.72	326.10	6859.02	5327.05	4399.90	3207.53	-3024.41	0.94	0.03	0.94	541467.04	1703148.57	N 39 58 54.52 W	80 33 33.56	6.11
	10673.00	90.69	325.97	6857.85	5325.88	4494.50	3286.31	-3077.48	0.14	-0.03	-0.14	541545.82	1703096.50	N 39 58 55.29 W	80 33 34.25	6.13
	10767.00	90.72	326.07	6856.70	5324.73	4589.01	3364.25	-3130.01	0.11	0.03	0.11	541623.78	1703043.97	N 39 58 56.05 W	80 33 34.94	6.14
	10862.00	90.76	325.61	6855.47	5323.50	4682.55	3442.88	-3183.35	0.49	0.04	-0.48	541702.36	1702990.63	N 39 58 56.82 W	80 33 35.63	6.15
	10956.00	90.72	325.89	6854.26	5322.28	4776.11	3520.55	-3236.25	0.30	-0.04	0.30	541780.05	1702937.73	N 39 58 57.58 W	80 33 36.33	6.17
	11051.00	90.79	325.64	6853.00	5321.03	4870.67	3599.06	-3289.69	0.27	0.07	-0.26	541858.56	1702884.29	N 39 58 58.35 W	80 33 37.02	6.18
	11146.00	90.90	325.03	6851.55	5319.58	4965.24	3677.40	-3343.31	0.18	0.16	-0.01	541936.99	1702830.68	N 39 58 59.12 W	80 33 37.72	6.19
	11240.00	90.72	324.17	6850.18	5318.21	5058.92	3754.39	-3397.35	1.57	-0.26	-1.55	542013.88	1702776.84	N 39 58 59.88 W	80 33 38.43	6.21
	11335.00	90.65	324.24	6849.04	5317.07	5153.68	3831.44	-3452.91	0.10	0.07	0.07	542090.93	1702721.08	N 39 59 0.63 W	80 33 39.16	6.22
	11430.00	90.93	324.90	6847.73	5315.76	5248.40	3908.88	-3507.62	0.84	-0.29	0.79	542168.37	1702666.08	N 39 59 1.39 W	80 33 39.87	6.23
	11524.00	90.72	324.33	6846.38	5314.41	5342.11	3985.55	-3562.29	0.74	-0.22	-0.70	542245.03	1702611.71	N 39 59 2.14 W	80 33 40.56	6.24
	11619.00	90.79	324.89	6845.12	5313.15	5436.83	4062.90	-3617.30	0.59	0.07	0.59	542322.47	1702556.70	N 39 59 2.90 W	80 33 41.30	6.25
	11714.00	90.58	324.84	6843.90	5312.02	5531.51	4140.68	-3671.97	0.23	-0.22	-0.05	542400.15	1702502.04	N 39 59 3.66 W	80 33 42.02	6.27
	11808.00	90.89	325.14	6842.78	5310.81	5625.18	4217.68	-3725.89	0.48	0.33	0.32	542477.13	1702448.11	N 39 59 4.42 W	80 33 42.72	6.28
	11903.00	90.83	325.71	6841.36	5309.39	5719.82	4294.82	-3781.15	1.51	-0.00	-1.51	542554.39	1702392.85	N 39 59 5.17 W	80 33 43.44	6.29
	11997.00	90.27	324.52	6840.45	5308.48	5813.70	4371.07	-3836.25	1.05	-0.60	0.86	542630.54	1702337.78	N 39 59 5.92 W	80 33 44.16	6.30
	12092.00	90.14	324.50	6840.11	5308.14	5908.43	4448.45	-3891.36	0.14	-0.14	0.04	542707.82	1702282.65	N 39 59 6.68 W	80 33 44.88	6.31
	12186.00	90.24	324.28	6839.80	5307.83	6002.19	4524.90	-3946.05	0.32	0.11	-0.30	542784.36	1702227.98	N 39 59 7.43 W	80 33 45.60	6.33
	12281.00	90.34	324.61	6839.40	5307.43	6096.93	4602.19	-4001.30								

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	BR (ft/100ft)	TR (ft/100ft)	Northing (ftUS)	Eastng (ftUS)	Latitude (N/S ° ° °)	Longitude (E/W ° ° °)	Directional Difficulty Index
	12564.00	90.27	324.18	6637.80	5305.83	6379.07	4833.16	-4184.82	0.81	-0.12	-0.80	5433062.60	1702009.21	N 39 59 10.45 W	80 33 48.45	6.37
	12659.00	90.24	324.63	6637.38	5305.41	6473.82	4910.41	-4220.11	0.47	-0.03	0.47	543169.85	1701953.02	N 39 59 11.20 W	80 33 49.17	6.38
	12753.00	90.10	324.07	6637.10	5305.13	6567.54	4987.08	-4274.80	0.15	-0.15	0.04	543248.52	1701899.53	N 39 59 11.06 W	80 33 49.88	6.39
	12848.00	90.21	324.39	6636.84	5304.87	6662.28	5064.44	-4329.62	0.32	0.12	-0.29	543323.88	1701844.41	N 39 59 12.71 W	80 33 50.60	6.40
	12942.00	90.41	325.04	6636.33	5304.36	6755.99	5141.17	-4383.02	0.72	0.21	0.69	543400.61	1701790.11	N 39 59 13.47 W	80 33 51.31	6.41
	13037.00	90.38	324.43	6635.68	5303.71	6850.70	5218.74	-4439.77	0.64	-0.03	-0.64	543478.17	1701735.27	N 39 59 14.23 W	80 33 52.03	6.42
	13132.00	90.27	324.63	6635.14	5303.17	6945.43	5296.11	-4493.89	0.24	-0.12	0.21	543555.53	1701680.15	N 39 59 14.98 W	80 33 52.75	6.43
	13226.00	90.17	323.76	6634.78	5302.81	7039.21	5372.34	-4548.88	0.63	-0.11	-0.83	543631.76	1701625.16	N 39 59 15.73 W	80 33 53.47	6.44
	13321.00	90.26	323.88	6634.40	5302.43	7134.03	5449.01	-4604.88	0.16	0.12	0.11	543708.43	1701569.07	N 39 59 16.48 W	80 33 54.20	6.45
	13416.00	90.24	323.74	6633.97	5302.00	7228.84	5525.67	-4661.08	0.13	-0.04	-0.13	543783.09	1701512.96	N 39 59 17.23 W	80 33 54.93	6.46
	13510.00	90.62	324.63	6633.27	5301.30	7322.62	5601.89	-4718.09	1.03	0.40	0.95	543861.31	1701457.96	N 39 59 17.98 W	80 33 55.65	6.47
	13605.00	91.03	326.04	6631.90	5299.93	7417.23	5680.02	-4770.12	1.55	0.43	1.48	543939.43	1701403.94	N 39 59 18.75 W	80 33 56.36	6.48
	13700.00	91.27	329.34	6629.99	5298.02	7511.40	5760.28	-4820.88	3.48	0.25	3.47	544019.60	1701353.18	N 39 59 19.53 W	80 33 57.02	6.49
	13794.00	90.45	326.87	6628.58	5296.81	7604.52	5839.09	-4870.87	2.97	-0.87	-2.84	544099.39	1701303.38	N 39 59 20.31 W	80 33 57.87	6.51
	13848.00	90.52	328.22	6628.12	5296.15	7698.10	5885.50	-4899.73	2.87	0.13	2.87	544144.80	1701274.33	N 39 59 20.78 W	80 33 58.05	6.52
	13930.00	90.52	328.22	6627.38	5295.41	7739.30	5955.20	-4942.91	0.00	0.00	0.00	544214.60	1701231.15	N 39 59 21.44 W	80 33 58.62	6.52

Survey Type: Non-Dof Survey

Survey Error Model: ISCVSA Rev 0 *** 3-D 95 000% Confidence 2.7955 sigma
 Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	22.790	Act Strs	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	22.790	744.000	Act Strs	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	744.000	3391.000	Act Strs	30.000	30.000	SLB_INC_ONLY<10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	3391.000	5705.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	5705.000	5800.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	5800.000	5847.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	5847.000	5894.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	5894.000	5989.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	5989.000	6083.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6083.000	6131.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6131.000	6320.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6320.000	6367.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6367.000	6509.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6509.000	6556.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	6556.000	7297.000	Act Strs	30.000	30.000	SLB_MWD-INC_ONLY>10	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	7297.000	13848.000	Act Strs	30.000	30.000	SLB_MWD-STD	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update
	1	13848.000	13930.000	Act Strs	30.000	30.000	SLB_BLIND+TREND	Original Borehole / Noble Energy SHL-26E-HS Gyro-MWD 0ft to update

51-01658

51-01658

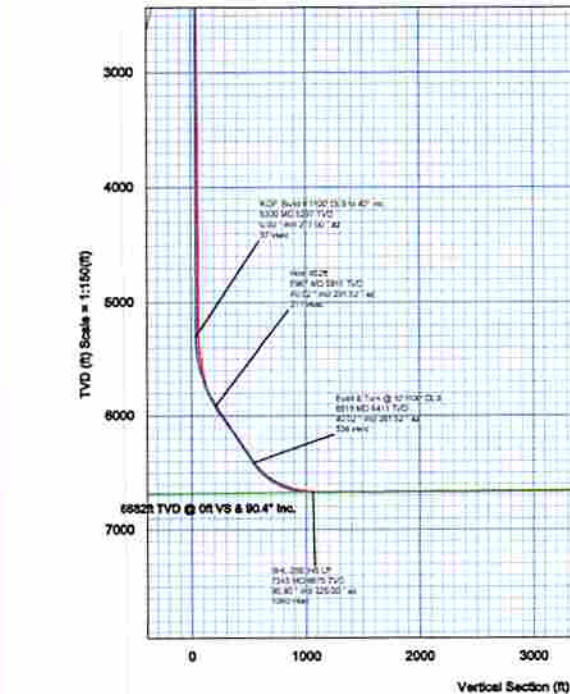
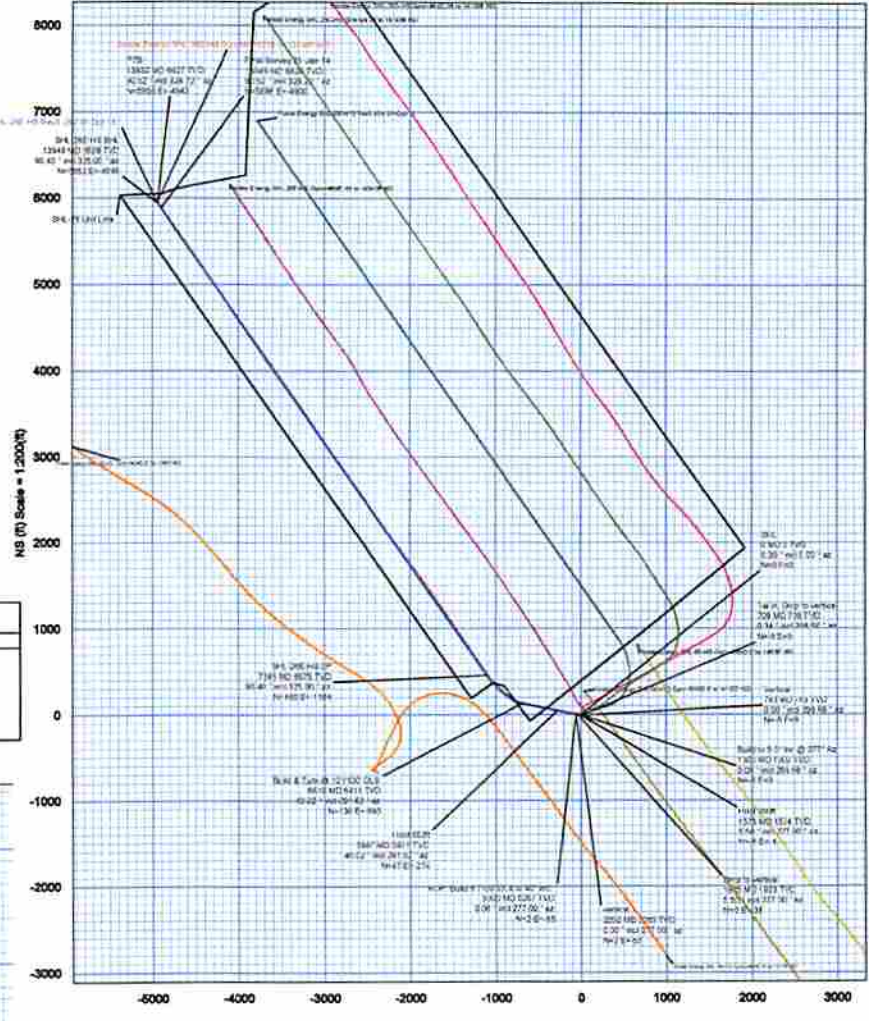
Borehole: Original Borehole	Well: SHL-26E-HS	Field: WV Marshall County (NAD 27)	Structure: Nabors M59
Gravity & Magnetic Parameters			
Model: HDGM 2013	Dip: 87.802°	Date: 14-Jan-2014	Surface Location: NAD27 West Virginia State Plane, Northern Zone, US Feet
Mag Dec: -8.417°	FS: 83115.285mT	Gravity FS: 999.146mgals (8.00655 Base)	Lat: N 39 52 23.17 Lon: W 80 52 54.23
			Northing: 538299.854MUS Grid Conv: -0.6889°
			Easting: 1704173.848MUS Scale Fact: 0.39993608
			Miscellaneous: Sht: SHL-26E-HS TVD Ref: KB(131.37ft Above MSL)
			Plan: Noble Energy SHL-26E-HS Qyrs-MWD 0R to 13020R MD



Depth (ft)	Interval	Log Name	Depth (ft)	Interval	Log Name	Depth (ft)	Interval	Log Name
0	0-10	SHL-26E-HS	10	10-20	SHL-26E-HS	20	20-30	SHL-26E-HS
30	30-40	SHL-26E-HS	40	40-50	SHL-26E-HS	50	50-60	SHL-26E-HS
60	60-70	SHL-26E-HS	70	70-80	SHL-26E-HS	80	80-90	SHL-26E-HS
90	90-100	SHL-26E-HS	100	100-110	SHL-26E-HS	110	110-120	SHL-26E-HS
120	120-130	SHL-26E-HS	130	130-140	SHL-26E-HS	140	140-150	SHL-26E-HS
150	150-160	SHL-26E-HS	160	160-170	SHL-26E-HS	170	170-180	SHL-26E-HS
180	180-190	SHL-26E-HS	190	190-200	SHL-26E-HS	200	200-210	SHL-26E-HS
210	210-220	SHL-26E-HS	220	220-230	SHL-26E-HS	230	230-240	SHL-26E-HS
240	240-250	SHL-26E-HS	250	250-260	SHL-26E-HS	260	260-270	SHL-26E-HS
270	270-280	SHL-26E-HS	280	280-290	SHL-26E-HS	290	290-300	SHL-26E-HS
300	300-310	SHL-26E-HS	310	310-320	SHL-26E-HS	320	320-330	SHL-26E-HS
330	330-340	SHL-26E-HS	340	340-350	SHL-26E-HS	350	350-360	SHL-26E-HS
360	360-370	SHL-26E-HS	370	370-380	SHL-26E-HS	380	380-390	SHL-26E-HS
390	390-400	SHL-26E-HS	400	400-410	SHL-26E-HS	410	410-420	SHL-26E-HS
420	420-430	SHL-26E-HS	430	430-440	SHL-26E-HS	440	440-450	SHL-26E-HS
450	450-460	SHL-26E-HS	460	460-470	SHL-26E-HS	470	470-480	SHL-26E-HS
480	480-490	SHL-26E-HS	490	490-500	SHL-26E-HS	500	500-510	SHL-26E-HS
510	510-520	SHL-26E-HS	520	520-530	SHL-26E-HS	530	530-540	SHL-26E-HS
540	540-550	SHL-26E-HS	550	550-560	SHL-26E-HS	560	560-570	SHL-26E-HS
570	570-580	SHL-26E-HS	580	580-590	SHL-26E-HS	590	590-600	SHL-26E-HS
600	600-610	SHL-26E-HS	610	610-620	SHL-26E-HS	620	620-630	SHL-26E-HS
630	630-640	SHL-26E-HS	640	640-650	SHL-26E-HS	650	650-660	SHL-26E-HS
660	660-670	SHL-26E-HS	670	670-680	SHL-26E-HS	680	680-690	SHL-26E-HS
690	690-700	SHL-26E-HS	700	700-710	SHL-26E-HS	710	710-720	SHL-26E-HS
720	720-730	SHL-26E-HS	730	730-740	SHL-26E-HS	740	740-750	SHL-26E-HS
750	750-760	SHL-26E-HS	760	760-770	SHL-26E-HS	770	770-780	SHL-26E-HS
780	780-790	SHL-26E-HS	790	790-800	SHL-26E-HS	800	800-810	SHL-26E-HS
810	810-820	SHL-26E-HS	820	820-830	SHL-26E-HS	830	830-840	SHL-26E-HS
840	840-850	SHL-26E-HS	850	850-860	SHL-26E-HS	860	860-870	SHL-26E-HS
870	870-880	SHL-26E-HS	880	880-890	SHL-26E-HS	890	890-900	SHL-26E-HS
900	900-910	SHL-26E-HS	910	910-920	SHL-26E-HS	920	920-930	SHL-26E-HS
930	930-940	SHL-26E-HS	940	940-950	SHL-26E-HS	950	950-960	SHL-26E-HS
960	960-970	SHL-26E-HS	970	970-980	SHL-26E-HS	980	980-990	SHL-26E-HS
990	990-1000	SHL-26E-HS						

Depth (ft)	Interval	Log Name	Depth (ft)	Interval	Log Name
0	0-10	SHL-26E-HS	10	10-20	SHL-26E-HS
20	20-30	SHL-26E-HS	30	30-40	SHL-26E-HS
40	40-50	SHL-26E-HS	50	50-60	SHL-26E-HS
60	60-70	SHL-26E-HS	70	70-80	SHL-26E-HS
80	80-90	SHL-26E-HS	90	90-100	SHL-26E-HS
100	100-110	SHL-26E-HS	110	110-120	SHL-26E-HS
120	120-130	SHL-26E-HS	130	130-140	SHL-26E-HS
140	140-150	SHL-26E-HS	150	150-160	SHL-26E-HS
160	160-170	SHL-26E-HS	170	170-180	SHL-26E-HS
180	180-190	SHL-26E-HS	190	190-200	SHL-26E-HS
200	200-210	SHL-26E-HS	210	210-220	SHL-26E-HS
220	220-230	SHL-26E-HS	230	230-240	SHL-26E-HS
240	240-250	SHL-26E-HS	250	250-260	SHL-26E-HS
260	260-270	SHL-26E-HS	270	270-280	SHL-26E-HS
280	280-290	SHL-26E-HS	290	290-300	SHL-26E-HS
300	300-310	SHL-26E-HS	310	310-320	SHL-26E-HS
320	320-330	SHL-26E-HS	330	330-340	SHL-26E-HS
340	340-350	SHL-26E-HS	350	350-360	SHL-26E-HS
360	360-370	SHL-26E-HS	370	370-380	SHL-26E-HS
380	380-390	SHL-26E-HS	390	390-400	SHL-26E-HS
400	400-410	SHL-26E-HS	410	410-420	SHL-26E-HS
420	420-430	SHL-26E-HS	430	430-440	SHL-26E-HS
440	440-450	SHL-26E-HS	450	450-460	SHL-26E-HS
460	460-470	SHL-26E-HS	470	470-480	SHL-26E-HS
480	480-490	SHL-26E-HS	490	490-500	SHL-26E-HS
500	500-510	SHL-26E-HS	510	510-520	SHL-26E-HS
520	520-530	SHL-26E-HS	530	530-540	SHL-26E-HS
540	540-550	SHL-26E-HS	550	550-560	SHL-26E-HS
560	560-570	SHL-26E-HS	570	570-580	SHL-26E-HS
580	580-590	SHL-26E-HS	590	590-600	SHL-26E-HS
600	600-610	SHL-26E-HS	610	610-620	SHL-26E-HS
620	620-630	SHL-26E-HS	630	630-640	SHL-26E-HS
640	640-650	SHL-26E-HS	650	650-660	SHL-26E-HS
660	660-670	SHL-26E-HS	670	670-680	SHL-26E-HS
680	680-690	SHL-26E-HS	690	690-700	SHL-26E-HS
700	700-710	SHL-26E-HS	710	710-720	SHL-26E-HS
720	720-730	SHL-26E-HS	730	730-740	SHL-26E-HS
740	740-750	SHL-26E-HS	750	750-760	SHL-26E-HS
760	760-770	SHL-26E-HS	770	770-780	SHL-26E-HS
780	780-790	SHL-26E-HS	790	790-800	SHL-26E-HS
800	800-810	SHL-26E-HS	810	810-820	SHL-26E-HS
820	820-830	SHL-26E-HS	830	830-840	SHL-26E-HS
840	840-850	SHL-26E-HS	850	850-860	SHL-26E-HS
860	860-870	SHL-26E-HS	870	870-880	SHL-26E-HS
880	880-890	SHL-26E-HS	890	890-900	SHL-26E-HS
900	900-910	SHL-26E-HS	910	910-920	SHL-26E-HS
920	920-930	SHL-26E-HS	930	930-940	SHL-26E-HS
940	940-950	SHL-26E-HS	950	950-960	SHL-26E-HS
960	960-970	SHL-26E-HS	970	970-980	SHL-26E-HS
980	980-990	SHL-26E-HS	990	990-1000	SHL-26E-HS
1000	1000-1010	SHL-26E-HS			

Target Description	Start	End	Depth (ft)	Interval	Log Name
SHL-26E-HS - 100' Hole	0	100	0-100	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 200' Hole	0	200	0-200	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 300' Hole	0	300	0-300	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 400' Hole	0	400	0-400	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 500' Hole	0	500	0-500	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 600' Hole	0	600	0-600	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 700' Hole	0	700	0-700	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 800' Hole	0	800	0-800	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 900' Hole	0	900	0-900	SHL-26E-HS	SHL-26E-HS
SHL-26E-HS - 1000' Hole	0	1000	0-1000	SHL-26E-HS	SHL-26E-HS



Grid North
Tot Corr (MAG -7.748°)
Mag Dec (-8.417°)
Grid Conv (-0.689°)

Vertical Section (ft) Azim = 320.254° Scale = 1:150(ft) Origin = 0N-S, 0E-W