



Where energy meets innovation.

Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 1 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 514464
Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Jacostec
Scale	0.999949	Report Generated	3/20/2019 at 2:14:15 PM
Convergence at slot	0.84° West	Database/Source file	WA_MPL_EASTERNUS_Defn/SHR-60_514464_AWP_Proj__16656_.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-60.00	0.44	1629439.06	328522.21	39°23'40.426"N	80°48'40.448"W
Facility Reference Pt			1629438.62	328582.21	39°23'41.019"N	80°48'40.465"W
Field Reference Pt			609601.22	0.00	38°23'48.753"N	84°21'09.765"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Patterson 578 (RKB) to Facility Vertical Datum	1036.50ft
Horizontal Reference Pt	Slot	Patterson 578 (RKB) to Mean Sea Level	1036.50ft
Vertical Reference Pt	Patterson 578 (RKB)	Patterson 578 (RKB) to Ground Level at Slot (Slot 514464)	25.50ft
MD Reference Pt	Patterson 578 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	162.87°

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Page 2 of 9



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Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

WELLPATH DATA (180 stations) † = interpolated/extrapolated station															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
0.00	0.00	88.080	0.00	0.00	0.00	0.00	1629439.06	328522.21	39°23'40.426"N	80°48'40.448"W	0.00	0.000	0.00	0.00	0.00
25.50	0.000	88.080	25.50	0.00	0.00	0.00	1629439.06	328522.21	39°23'40.426"N	80°48'40.448"W	0.00	0.000	0.00	0.00	0.00
100.00	0.120	88.080	100.00	0.02	0.00	0.08	1629439.14	328522.21	39°23'40.426"N	80°48'40.447"W	0.08	88.080	0.16	0.16	118.23
200.00	0.170	85.670	200.00	0.08	0.02	0.33	1629439.39	328522.23	39°23'40.426"N	80°48'40.444"W	0.33	87.000	0.05	0.05	-2.41
300.00	0.160	97.220	300.00	0.17	0.01	0.62	1629439.68	328522.22	39°23'40.426"N	80°48'40.440"W	0.62	88.981	0.03	-0.01	11.55
400.00	0.120	58.080	400.00	0.20	0.05	0.84	1629439.90	328522.26	39°23'40.427"N	80°48'40.437"W	0.85	86.693	0.10	-0.04	-39.14
500.00	0.100	31.270	500.00	0.12	0.18	0.98	1629440.04	328522.39	39°23'40.428"N	80°48'40.435"W	0.99	79.648	0.05	-0.02	-26.81
600.00	0.080	38.850	600.00	0.02	0.31	1.07	1629440.13	328522.52	39°23'40.429"N	80°48'40.434"W	1.11	73.923	0.02	-0.02	7.58
700.00	0.100	37.520	700.00	-0.07	0.43	1.16	1629440.22	328522.64	39°23'40.430"N	80°48'40.433"W	1.24	69.679	0.02	0.02	-1.33
800.00	0.100	46.740	800.00	-0.16	0.56	1.28	1629440.34	328522.77	39°23'40.432"N	80°48'40.432"W	1.40	66.381	0.02	0.00	9.22
900.00	0.120	34.700	900.00	-0.26	0.71	1.40	1629440.46	328522.92	39°23'40.433"N	80°48'40.430"W	1.57	63.306	0.03	0.02	-12.04
1000.00	0.230	58.570	1000.00	-0.38	0.90	1.64	1629440.70	328523.11	39°23'40.435"N	80°48'40.427"W	1.87	61.256	0.13	0.11	23.87
1100.00	0.400	52.810	1100.00	-0.54	1.21	2.08	1629441.14	328523.42	39°23'40.438"N	80°48'40.422"W	2.41	59.814	0.17	0.17	-5.76
1200.00	0.500	43.680	1199.99	-0.88	1.74	2.66	1629441.72	328523.95	39°23'40.444"N	80°48'40.414"W	3.18	56.863	0.12	0.10	-9.13
1300.00	0.480	41.390	1299.99	-1.31	2.37	3.24	1629442.30	328524.58	39°23'40.450"N	80°48'40.407"W	4.02	53.847	0.03	-0.02	-2.29
1400.00	0.570	41.140	1399.99	-1.79	3.06	3.85	1629442.91	328525.27	39°23'40.457"N	80°48'40.399"W	4.91	51.517	0.09	0.09	-0.25
1500.00	0.610	40.770	1499.98	-2.33	3.84	4.52	1629443.58	328526.05	39°23'40.465"N	80°48'40.391"W	5.93	49.692	0.04	0.04	-0.37
1600.00	0.830	56.570	1599.97	-2.82	4.64	5.47	1629444.53	328526.85	39°23'40.473"N	80°48'40.379"W	7.17	49.725	0.29	0.22	15.80
1700.00	0.830	69.840	1699.96	-3.06	5.29	6.76	1629445.82	328527.50	39°23'40.479"N	80°48'40.363"W	8.58	51.966	0.19	0.00	13.27
1800.00	0.760	72.710	1799.95	-3.10	5.73	8.07	1629447.13	328527.94	39°23'40.484"N	80°48'40.346"W	9.90	54.613	0.08	-0.07	2.87
1900.00	0.270	93.840	1899.95	-3.02	5.91	8.94	1629448.00	328528.12	39°23'40.486"N	80°48'40.335"W	10.72	56.511	0.52	-0.49	21.13
2000.00	0.240	79.510	1999.95	-2.91	5.94	9.38	1629448.44	328528.15	39°23'40.486"N	80°48'40.330"W	11.10	57.671	0.07	-0.03	-14.33
2100.00	0.280	54.690	2099.95	-2.96	6.12	9.79	1629448.85	328528.33	39°23'40.488"N	80°48'40.324"W	11.54	57.994	0.12	0.04	-24.82
2200.00	0.200	47.960	2199.94	-3.11	6.37	10.11	1629449.17	328528.58	39°23'40.490"N	80°48'40.320"W	11.96	57.781	0.08	-0.08	-6.73
2300.00	0.150	43.220	2299.94	-3.25	6.59	10.33	1629449.39	328528.80	39°23'40.493"N	80°48'40.318"W	12.25	57.488	0.05	-0.05	-4.74
2400.00	0.170	23.370	2399.94	-3.43	6.82	10.48	1629449.54	328529.03	39°23'40.495"N	80°48'40.316"W	12.50	56.959	0.06	0.02	-19.85
2500.00	0.170	339.410	2499.94	-3.69	7.09	10.49	1629449.55	328529.30	39°23'40.498"N	80°48'40.316"W	12.66	55.932	0.13	0.00	-43.96
2600.00	0.280	307.070	2599.94	-4.04	7.38	10.24	1629449.30	328529.59	39°23'40.500"N	80°48'40.319"W	12.62	54.228	0.16	0.11	-32.34
2700.00	0.230	294.840	2699.94	-4.37	7.61	9.86	1629448.92	328529.82	39°23'40.503"N	80°48'40.324"W	12.46	52.349	0.07	-0.05	-12.23
2800.00	0.420	278.630	2799.94	-4.66	7.75	9.32	1629448.38	328529.96	39°23'40.504"N	80°48'40.331"W	12.12	50.255	0.21	0.19	-16.21

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Page 3 of 9



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Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

WELLPATH DATA (180 stations)															
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
2900.00	0.370	270.960	2899.94	-4.92	7.81	8.64	1629447.69	328530.02	39°23'40.504"N	80°48'40.339"W	11.64	47.870	0.07	-0.05	-7.67
3000.00	0.340	261.320	2999.94	-5.06	7.77	8.02	1629447.08	328529.98	39°23'40.504"N	80°48'40.347"W	11.17	45.899	0.07	-0.03	-9.64
3100.00	0.340	262.710	3099.93	-5.16	7.69	7.43	1629446.49	328529.90	39°23'40.503"N	80°48'40.355"W	10.69	44.025	0.01	0.00	1.39
3200.00	0.340	246.590	3199.93	-5.18	7.53	6.86	1629445.92	328529.74	39°23'40.501"N	80°48'40.362"W	10.19	42.342	0.10	0.00	-16.12
3300.00	0.250	235.120	3299.93	-5.08	7.29	6.41	1629445.47	328529.50	39°23'40.499"N	80°48'40.368"W	9.71	41.338	0.11	-0.09	-11.47
3400.00	0.230	204.800	3399.93	-4.86	6.98	6.15	1629445.21	328529.19	39°23'40.496"N	80°48'40.371"W	9.31	41.370	0.13	-0.02	-30.32
3500.00	0.200	203.220	3499.93	-4.58	6.64	6.00	1629445.06	328528.85	39°23'40.492"N	80°48'40.373"W	8.95	42.085	0.03	-0.03	-1.58
3600.00	0.210	210.660	3599.93	-4.32	6.32	5.84	1629444.89	328528.53	39°23'40.489"N	80°48'40.375"W	8.60	42.702	0.03	0.01	7.44
3700.00	0.330	222.450	3699.93	-4.05	5.95	5.55	1629444.61	328528.16	39°23'40.486"N	80°48'40.378"W	8.14	42.980	0.13	0.12	11.79
3800.00	0.300	210.480	3799.93	-3.73	5.51	5.22	1629444.28	328527.72	39°23'40.481"N	80°48'40.382"W	7.59	43.428	0.07	-0.03	-11.97
3900.00	0.270	194.020	3899.93	-3.35	5.06	5.03	1629444.09	328527.27	39°23'40.477"N	80°48'40.385"W	7.14	44.828	0.09	-0.03	-16.46
4000.00	0.330	205.970	3999.92	-2.94	4.57	4.85	1629443.91	328526.78	39°23'40.472"N	80°48'40.387"W	6.66	46.666	0.09	0.06	11.95
4100.00	0.510	195.970	4099.92	-2.36	3.89	4.60	1629443.66	328526.10	39°23'40.465"N	80°48'40.390"W	6.02	49.798	0.19	0.18	-10.00
4200.00	0.530	202.130	4199.92	-1.63	3.03	4.30	1629443.36	328525.24	39°23'40.457"N	80°48'40.394"W	5.26	54.841	0.06	0.02	6.16
4300.00	0.700	198.230	4299.91	-0.77	2.02	3.94	1629443.00	328524.23	39°23'40.447"N	80°48'40.398"W	4.43	62.820	0.17	0.17	-3.90
4400.00	0.770	208.780	4399.90	0.19	0.85	3.42	1629442.48	328523.06	39°23'40.435"N	80°48'40.404"W	3.53	76.014	0.15	0.07	10.55
4500.00	0.850	200.720	4499.89	1.25	-0.43	2.84	1629441.90	328521.78	39°23'40.422"N	80°48'40.412"W	2.87	98.629	0.14	0.08	-8.06
4600.00	0.850	202.600	4599.88	2.40	-1.81	2.29	1629441.35	328520.40	39°23'40.408"N	80°48'40.418"W	2.92	128.323	0.03	0.00	1.88
4700.00	0.770	206.030	4699.87	3.46	-3.10	1.71	1629440.77	328519.11	39°23'40.396"N	80°48'40.426"W	3.54	151.117	0.09	-0.08	3.43
4800.00	0.720	207.450	4799.86	4.40	-4.26	1.12	1629440.18	328517.95	39°23'40.384"N	80°48'40.433"W	4.40	165.213	0.05	-0.05	1.42
4900.00	0.620	195.350	4899.86	5.30	-5.34	0.69	1629439.75	328516.87	39°23'40.373"N	80°48'40.438"W	5.38	172.620	0.17	-0.10	-12.10
5000.00	0.700	193.120	4999.85	6.29	-6.45	0.41	1629439.47	328515.76	39°23'40.362"N	80°48'40.441"W	6.47	176.370	0.08	0.08	-2.23
5100.00	0.560	208.400	5099.84	7.16	-7.48	0.04	1629439.10	328514.73	39°23'40.352"N	80°48'40.446"W	7.48	179.706	0.22	-0.14	15.28
5150.00	0.760	202.980	5149.84	7.58	-8.00	-0.21	1629438.85	328514.21	39°23'40.347"N	80°48'40.449"W	8.00	181.484	0.42	0.40	-10.84
5205.00	1.020	185.000	5204.83	8.32	-8.82	-0.39	1629438.67	328513.39	39°23'40.339"N	80°48'40.451"W	8.83	182.546	0.69	0.47	-32.69
5300.00	10.340	153.810	5299.27	11.54	-17.34	3.31	1629442.37	328504.88	39°23'40.255"N	80°48'40.403"W	17.65	169.205	9.98	9.81	-32.83
5395.00	15.150	167.670	5391.92	16.35	-37.13	9.72	1629448.78	328485.08	39°23'40.060"N	80°48'40.317"W	38.38	165.324	5.97	5.06	14.59
5439.00	16.680	181.980	5434.25	19.05	-49.06	10.73	1629449.79	328473.15	39°23'39.943"N	80°48'40.302"W	50.22	167.659	9.54	3.48	32.52
5490.00	18.880	197.320	5482.84	21.78	-64.27	8.02	1629447.08	328457.95	39°23'39.792"N	80°48'40.334"W	64.76	172.884	10.11	4.31	30.08
5535.00	21.590	207.510	5525.07	24.68	-78.57	2.03	1629441.09	328443.65	39°23'39.650"N	80°48'40.407"W	78.59	178.521	9.86	6.02	22.64

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Page 4 of 9



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert [ft]	Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]
5585.00	26.300	216.280	5570.77	83.84		-95.67	-8.78	1629430.28	328426.55	39°23'39.479"N	80°48'40.542"W	96.07	185.246	11.78	9.42	17.54
5630.00	30.540	224.640	5610.35	100.20		-111.85	-22.73	1629416.33	328410.36	39°23'39.317"N	80°48'40.717"W	114.14	191.486	12.90	10.20	12.38
5680.00	35.640	230.830	5652.24	111.68		-130.11	-42.97	1629396.09	328392.10	39°23'39.134"N	80°48'40.971"W	137.02	198.275	12.22	7.81	5.37
5775.00	43.060	235.930	5725.67	131.55		-165.82	-91.37	1629347.69	328356.40	39°23'38.774"N	80°48'41.581"W	189.33	208.856	8.51	0.80	6.26
5868.00	43.800	241.750	5793.24	147.02		-198.85	-146.04	1629293.02	328323.37	39°23'38.440"N	80°48'42.271"W	246.72	216.295	4.37	0.05	2.50
5964.00	43.850	244.150	5862.50	158.47		-229.08	-205.24	1629233.83	328293.14	39°23'38.132"N	80°48'43.019"W	307.57	221.858	1.73	-0.14	-0.33
6059.00	43.720	243.840	5931.09	168.61		-257.90	-264.32	1629174.75	328264.32	39°23'37.839"N	80°48'43.766"W	369.29	225.704	0.26	0.34	0.25
6154.00	44.040	244.080	5999.56	178.81		-286.81	-323.48	1629115.59	328235.42	39°23'37.545"N	80°48'44.514"W	432.32	228.439	0.38	-0.04	-0.18
6249.00	44.000	243.910	6067.88	188.99		-315.75	-382.82	1629056.26	328206.47	39°23'37.250"N	80°48'45.265"W	496.24	230.484	0.13	0.04	-0.03
6344.00	44.040	243.880	6136.19	199.29		-344.80	-442.10	1628996.98	328177.43	39°23'36.955"N	80°48'46.014"W	560.66	232.049	0.05	0.00	-0.18
6439.00	44.040	243.710	6204.48	209.71		-373.97	-501.35	1628937.73	328148.26	39°23'36.658"N	80°48'46.764"W	625.46	233.280	0.12	1.02	-2.41
6534.00	45.010	241.420	6272.22	219.63		-404.66	-560.46	1628878.63	328117.57	39°23'36.346"N	80°48'47.511"W	691.28	234.170	1.97	1.18	-10.04
6629.00	46.130	231.880	6338.80	229.59		-441.92	-616.97	1628822.12	328080.32	39°23'35.970"N	80°48'48.223"W	758.91	234.387	7.26	4.15	-14.91
6724.00	50.070	217.720	6402.41	279.93		-492.03	-666.35	1628772.74	328030.21	39°23'35.467"N	80°48'48.843"W	828.32	233.558	11.83	6.42	-12.52
6820.00	56.230	205.700	6460.09	329.56		-557.31	-706.31	1628732.79	327964.92	39°23'34.816"N	80°48'49.340"W	899.71	231.725	11.88	6.33	-10.74
6915.00	62.240	195.500	6508.76	379.10		-633.62	-734.75	1628704.35	327888.63	39°23'34.058"N	80°48'49.688"W	970.22	229.227	11.18	13.54	-12.85
7010.00	68.740	183.290	6548.27	428.63		-718.67	-748.58	1628690.52	327803.58	39°23'33.216"N	80°48'49.848"W	1037.72	226.168	13.08	8.05	-10.81
7105.00	76.390	173.020	6576.78	478.14		-809.05	-745.50	1628693.60	327713.21	39°23'32.323"N	80°48'49.792"W	1100.14	222.659	9.14	3.94	-8.43
7200.00	80.130	165.010	6596.14	527.66		-900.25	-727.75	1628711.35	327622.01	39°23'31.424"N	80°48'49.549"W	1157.61	218.952	8.60	5.75	-6.45
7295.00	85.590	158.880	6607.95	577.19		-989.78	-698.53	1628740.57	327532.48	39°23'30.544"N	80°48'49.160"W	1211.45	215.212	4.58	4.58	0.23
7390.00	89.940	159.100	6611.66	626.74		-1078.38	-664.50	1628774.59	327443.89	39°23'29.673"N	80°48'48.710"W	1266.67	211.642	0.70	-0.26	0.65
7485.00	89.690	159.720	6611.96	675.83		-1167.31	-631.09	1628808.00	327354.96	39°23'28.799"N	80°48'48.268"W	1326.99	208.397	0.57	0.09	-0.56
7580.00	89.780	159.190	6612.40	724.92		-1256.27	-597.75	1628841.34	327266.01	39°23'27.925"N	80°48'47.827"W	1391.23	205.446	1.94	-0.28	-1.92
7675.00	89.510	157.370	6612.99	774.01		-1344.52	-562.60	1628876.49	327177.77	39°23'27.058"N	80°48'47.363"W	1457.48	202.706	3.10	-0.17	-3.09
7770.00	89.350	154.430	6613.94	823.10		-1431.22	-523.81	1628915.27	327091.06	39°23'26.206"N	80°48'46.853"W	1524.07	200.102	0.71	0.53	-0.47
7864.00	89.850	153.990	6614.59	872.19		-1515.86	-482.92	1628956.17	327006.43	39°23'25.376"N	80°48'46.316"W	1590.92	197.671	0.19	-0.03	-0.19
7958.00	89.820	153.810	6614.86	921.28		-1600.27	-441.56	1628997.52	326922.02	39°23'24.548"N	80°48'45.774"W	1660.07	195.426	0.93	0.22	0.91
8053.00	90.030	154.670	6614.99	970.37		-1685.83	-400.28	1629038.80	326836.47	39°23'23.708"N	80°48'45.232"W	1732.70	193.357	1.76	0.06	1.76
8148.00	90.090	156.340	6614.89	1019.46		-1772.28	-360.89	1629078.19	326750.03	39°23'22.859"N	80°48'44.714"W	1808.65	189.905	2.82	-0.06	2.82
8243.00	90.030	159.020	6614.79	1068.55		-1860.15	-324.82	1629114.26	326662.16	39°23'21.996"N	80°48'44.239"W	1888.30	189.905			

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Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 5 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 514464
Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

WELLPATH DATA (180 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	
8338.00	90.400	161.270	6614.43	17	6.85	-1949.50	-292.55	1629146.52	326572.82	39°23'21.118"N	80°48'43.811"W	1971.32	188.534	2.40	0.39	2.37
8433.00	90.370	162.730	6613.79	18	7.83	-2039.84	-263.20	1629175.88	326482.48	39°23'20.229"N	80°48'43.421"W	2056.75	187.352	1.54	-0.03	1.54
8528.00	90.770	161.400	6612.85	19	6.81	-2130.22	-233.94	1629205.13	326392.10	39°23'19.340"N	80°48'43.031"W	2143.03	186.267	1.46	0.42	-1.40
8622.00	90.460	159.350	6611.84	20	0.71	-2218.75	-202.38	1629236.69	326303.58	39°23'18.470"N	80°48'42.613"W	2227.96	185.212	2.21	-0.33	-2.18
8717.00	90.370	155.600	6611.15	21	5.27	-2306.48	-165.99	1629273.08	326215.85	39°23'17.608"N	80°48'42.133"W	2312.45	184.116	3.95	-0.09	-3.95
8812.00	90.180	154.550	6610.70	22	9.39	-2392.63	-125.96	1629313.11	326129.70	39°23'16.763"N	80°48'41.607"W	2395.95	183.013	1.12	-0.20	-1.11
8906.00	90.340	153.890	6610.27	23	12.32	-2477.28	-85.07	1629353.99	326045.07	39°23'15.932"N	80°48'41.071"W	2478.74	181.967	0.72	0.17	-0.70
9001.00	90.280	154.720	6609.76	24	36.26	-2562.88	-43.89	1629395.18	325959.47	39°23'15.092"N	80°48'40.530"W	2563.25	180.981	0.88	-0.06	0.87
9096.00	90.220	155.930	6609.34	25	30.44	-2649.20	-4.23	1629434.83	325873.15	39°23'14.245"N	80°48'40.009"W	2649.21	180.091	1.28	-0.06	1.27
9191.00	90.220	154.930	6608.98	26	24.63	-2735.60	35.27	1629474.33	325786.76	39°23'13.397"N	80°48'39.490"W	2735.83	179.261	1.05	0.00	-1.05
9286.00	90.180	151.740	6608.64	27	18.31	-2820.48	77.90	1629516.96	325701.88	39°23'12.564"N	80°48'38.932"W	2821.56	178.418	3.36	-0.04	-3.36
9381.00	89.910	149.680	6608.57	28	11.17	-2903.33	124.38	1629563.43	325619.03	39°23'11.752"N	80°48'38.324"W	2906.00	177.547	2.19	-0.28	-2.17
9476.00	90.000	150.850	6608.64	29	33.88	-2985.82	171.49	1629610.54	325536.55	39°23'10.943"N	80°48'37.709"W	2990.74	176.713	1.24	0.09	1.23
9571.00	89.970	152.130	6608.67	29	97.01	-3069.30	216.84	1629655.89	325453.07	39°23'10.125"N	80°48'37.116"W	3076.95	175.959	1.35	-0.03	1.35
9666.00	89.820	151.890	6608.84	30	90.31	-3153.19	261.42	1629700.47	325369.19	39°23'09.302"N	80°48'36.533"W	3164.01	175.261	0.30	-0.16	-0.25
9761.00	89.880	154.570	6609.09	31	83.96	-3238.00	304.21	1629743.25	325284.38	39°23'08.470"N	80°48'35.972"W	3252.26	174.633	2.82	0.06	2.82
9856.00	90.000	157.460	6609.19	32	78.27	-3324.79	342.82	1629781.86	325197.60	39°23'07.618"N	80°48'35.464"W	3342.41	174.113	3.04	0.13	3.04
9951.00	90.060	158.100	6609.14	33	72.89	-3412.73	378.75	1629817.79	325109.66	39°23'06.754"N	80°48'34.990"W	3433.68	173.667	0.68	0.06	0.67
10046.00	90.090	160.490	6609.02	34	67.70	-3501.59	412.33	1629851.37	325020.81	39°23'05.881"N	80°48'34.546"W	3525.78	173.284	2.52	0.03	2.52
10141.00	90.060	162.930	6608.89	35	62.68	-3591.78	442.14	1629881.18	324930.62	39°23'04.994"N	80°48'34.150"W	3618.89	172.982	2.57	-0.03	2.57
10236.00	90.150	164.170	6608.72	36	57.67	-3682.89	469.04	1629908.08	324839.51	39°23'04.097"N	80°48'33.790"W	3712.64	172.742	1.31	0.09	1.31
10331.00	90.180	163.670	6608.45	37	52.65	-3774.17	495.36	1629934.39	324748.24	39°23'03.199"N	80°48'33.438"W	3806.54	172.523	0.53	0.03	-0.53
10426.00	90.280	161.950	6608.06	38	47.65	-3864.93	523.43	1629962.46	324657.49	39°23'02.306"N	80°48'33.064"W	3900.21	172.287	1.81	0.11	-1.81
10520.00	90.650	159.730	6607.30	39	41.58	-3953.71	554.28	1629993.31	324568.71	39°23'01.433"N	80°48'32.655"W	3992.38	172.020	2.39	0.39	-2.36
10616.00	90.340	156.310	6606.47	40	37.22	-4042.72	590.20	1630029.23	324479.71	39°23'00.559"N	80°48'32.181"W	4085.57	171.694	3.58	-0.32	-3.56
10710.00	90.090	153.910	6606.12	41	30.35	-4127.98	629.76	1630068.79	324394.45	39°22'59.722"N	80°48'31.661"W	4175.74	171.326	2.57	-0.27	-2.55
10804.00	89.970	153.780	6606.07	42	23.18	-4212.35	671.20	1630110.22	324310.08	39°22'58.894"N	80°48'31.118"W	4265.49	170.947	0.19	-0.13	-0.14
10899.00	90.060	154.410	6606.04	43	17.07	-4297.81	712.70	1630151.72	324224.63	39°22'58.056"N	80°48'30.573"W	4356.50	170.584	0.67	0.09	0.66
10993.00	89.940	155.620	6606.04	44	10.19	-4383.01	752.41	1630191.43	324139.43	39°22'57.219"N	80°48'30.052"W	4447.12	170.259	1.29	-0.13	1.29
11088.00	89.940	155.310	6606.14	45	04.40	-4469.43	791.85	1630230.87	324053.02	39°22'56.371"N	80°48'29.534"W	4539.04	169.953	0.33	0.00	-0.33

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Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 6 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 514464
Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

WELLPATH DATA (180 stations)																
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Turn Rate ["/100ft]	
11183.00	89.910	154.660	6606.27	45	38.50	-4555.52	832.03	1630271.04	323966.93	39°22'55.526"N	80°48'29.006"W	4630.88	169.650	0.68	-0.03	-0.68
11278.00	89.970	157.290	6606.37	46	32.80	-4642.28	870.70	1630309.71	323880.17	39°22'54.674"N	80°48'28.498"W	4723.23	169.377	2.77	0.06	2.77
11373.00	90.650	158.170	6605.85	47	37.42	-4730.19	906.70	1630345.71	323792.27	39°22'53.810"N	80°48'28.023"W	4816.31	169.149	1.17	0.72	0.93
11468.00	90.680	158.720	6604.75	48	32.13	-4818.54	941.60	1630380.61	323703.92	39°22'52.942"N	80°48'27.562"W	4909.68	168.943	0.58	0.03	0.58
11563.00	90.520	159.540	6603.76	49	76.92	-4907.30	975.44	1630414.45	323615.17	39°22'52.070"N	80°48'27.115"W	5003.31	168.758	0.88	-0.17	0.86
11658.00	90.400	157.610	6602.99	50	71.64	-4995.73	1010.14	1630449.15	323526.74	39°22'51.201"N	80°48'26.657"W	5096.84	168.569	2.04	-0.13	-2.03
11754.00	90.370	157.060	6602.35	51	67.19	-5084.32	1047.13	1630486.14	323438.16	39°22'50.331"N	80°48'26.169"W	5191.03	168.362	0.57	-0.03	-0.57
11849.00	89.690	157.320	6602.30	52	61.73	-5171.89	1083.96	1630522.97	323350.60	39°22'49.471"N	80°48'25.684"W	5284.26	168.163	0.77	-0.72	0.27
11945.00	89.690	157.420	6602.82	53	57.28	-5260.49	1120.90	1630559.90	323262.00	39°22'48.601"N	80°48'25.197"W	5378.59	167.971	0.10	0.00	0.10
12040.00	89.450	156.900	6603.53	54	51.81	-5348.04	1157.77	1630596.77	323174.45	39°22'47.741"N	80°48'24.711"W	5471.93	167.785	0.60	-0.25	-0.55
12135.00	89.480	156.540	6604.42	55	46.26	-5435.30	1195.32	1630634.32	323087.19	39°22'46.884"N	80°48'24.217"W	5565.19	167.597	0.38	0.03	-0.38
12230.00	89.380	154.740	6605.36	56	40.49	-5521.84	1234.50	1630673.49	323000.66	39°22'46.034"N	80°48'23.702"W	5658.15	167.398	1.90	-0.11	-1.89
12325.00	89.910	154.880	6605.95	57	34.55	-5607.80	1274.93	1630713.93	322914.71	39°22'45.190"N	80°48'23.171"W	5750.90	167.192	0.58	0.56	0.15
12421.00	89.880	156.310	6606.13	58	29.78	-5695.22	1314.60	1630753.59	322827.29	39°22'44.332"N	80°48'22.650"W	5844.97	167.002	1.49	-0.03	1.49
12516.00	89.850	157.570	6606.35	59	24.27	-5782.63	1351.81	1630790.80	322739.89	39°22'43.474"N	80°48'22.160"W	5938.53	166.842	1.33	-0.03	1.33
12610.00	89.720	159.800	6606.70	60	18.01	-5870.19	1385.97	1630824.96	322652.33	39°22'42.613"N	80°48'21.709"W	6031.59	166.716	2.38	-0.14	2.37
12706.00	89.850	161.700	6607.06	61	13.94	-5960.82	1417.62	1630856.61	322561.71	39°22'41.722"N	80°48'21.289"W	6127.07	166.622	1.98	0.14	1.98
12801.00	89.780	161.950	6607.37	62	08.92	-6051.08	1447.26	1630886.24	322471.45	39°22'40.834"N	80°48'20.895"W	6221.75	166.549	0.27	-0.07	0.26
12896.00	89.880	159.250	6607.65	63	03.84	-6140.68	1478.81	1630917.79	322381.86	39°22'39.954"N	80°48'20.477"W	6316.23	166.460	2.84	0.11	-2.84
12991.00	89.910	157.390	6607.83	64	98.54	-6228.95	1513.90	1630952.88	322293.59	39°22'39.086"N	80°48'20.014"W	6410.29	166.340	1.96	0.03	-1.96
13086.00	89.780	154.610	6608.08	65	92.84	-6315.73	1552.54	1630991.51	322206.81	39°22'38.234"N	80°48'19.506"W	6503.76	166.189	2.93	-0.14	-2.93
13181.00	89.850	151.610	6608.39	66	86.46	-6400.45	1595.50	1631034.47	322122.10	39°22'37.403"N	80°48'18.943"W	6596.31	166.003	3.16	0.07	-3.16
13276.00	89.880	151.330	6608.62	67	79.58	-6483.91	1640.87	1631079.84	322038.64	39°22'36.585"N	80°48'18.350"W	6688.32	165.798	0.30	0.03	-0.29
13371.00	89.820	151.630	6608.86	68	72.71	-6567.38	1686.23	1631125.20	321955.17	39°22'35.766"N	80°48'17.757"W	6780.41	165.600	0.32	-0.06	0.32
13467.00	89.660	153.780	6609.30	69	67.20	-6652.69	1730.25	1631169.22	321869.87	39°22'34.930"N	80°48'17.180"W	6874.01	165.421	2.25	-0.17	2.24
13562.00	89.750	153.780	6609.79	70	61.00	-6737.91	1772.22	1631211.19	321784.65	39°22'34.094"N	80°48'16.630"W	6967.08	165.264	0.09	0.09	0.00
13657.00	89.720	153.990	6610.23	71	54.84	-6823.21	1814.04	1631253.00	321699.36	39°22'33.257"N	80°48'16.082"W	7060.24	165.112	0.22	-0.03	0.22
13752.00	89.570	156.720	6610.82	72	49.01	-6909.55	1853.65	1631292.61	321613.03	39°22'32.409"N	80°48'15.562"W	7153.87	164.983	2.88	-0.16	2.87
13847.00	89.780	160.200	6611.36	73	43.71	-6997.90	1888.52	1631327.48	321524.68	39°22'31.541"N	80°48'15.101"W	7248.25	164.897	3.67	0.22	3.66
13942.00	89.780	163.950	6611.72	74	38.69	-7088.27	1917.76	1631356.71	321434.31	39°22'30.652"N	80°48'14.712"W	7343.12	164.861	3.95	0.00	3.95

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Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 7 of 9

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Area	Tyler County, WV	Well	SHR-60 514464
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WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	
14037.00	89.750	164.370	6612.11	7	433.66	-7179.66	1943.69	1631382.64	321342.93	39°22'29.752"N	80°48'14.365"W	7438.11	164.852	0.44	-0.03	0.44
14132.00	89.820	164.150	6612.47	7	528.63	-7271.10	1969.46	1631408.41	321251.49	39°22'28.853"N	80°48'14.020"W	7533.11	164.844	0.24	0.07	-0.23
14226.00	89.940	163.920	6612.66	7	522.61	-7361.48	1995.31	1631434.26	321161.13	39°22'27.963"N	80°48'13.674"W	7627.10	164.834	0.28	0.13	-0.24
14322.00	90.120	160.930	6612.61	7	718.60	-7452.98	2024.30	1631463.25	321069.62	39°22'27.063"N	80°48'13.289"W	7723.00	164.805	3.12	0.19	-3.11
14417.00	90.740	159.010	6611.90	7	813.47	-7542.23	2056.83	1631495.78	320980.38	39°22'26.186"N	80°48'12.858"W	7817.66	164.746	2.12	0.65	-2.02
14512.00	90.620	158.520	6610.77	7	908.22	-7630.77	2091.24	1631530.19	320891.84	39°22'25.316"N	80°48'12.403"W	7912.14	164.674	0.53	-0.13	-0.52
14608.00	90.250	155.580	6610.04	8	003.71	-7719.16	2128.66	1631567.61	320803.46	39°22'24.447"N	80°48'11.910"W	8007.29	164.583	3.09	-0.39	-3.06
14703.00	89.970	154.910	6609.86	8	097.87	-7805.43	2168.44	1631607.39	320717.19	39°22'23.601"N	80°48'11.388"W	8101.04	164.474	0.76	-0.29	-0.71
14798.00	89.880	156.210	6609.99	8	192.10	-7891.92	2207.75	1631646.69	320630.71	39°22'22.752"N	80°48'10.872"W	8194.91	164.371	1.37	-0.09	1.37
14893.00	89.820	156.480	6610.23	8	286.48	-7978.94	2245.87	1631684.81	320543.70	39°22'21.897"N	80°48'10.370"W	8288.99	164.279	0.29	-0.06	0.28
14987.00	89.030	154.750	6610.36	8	379.72	-8064.55	2284.67	1631723.61	320458.09	39°22'21.057"N	80°48'09.860"W	8381.92	164.183	1.85	0.22	-1.84
15082.00	89.910	153.440	6610.41	8	473.61	-8150.00	2326.18	1631765.11	320372.64	39°22'20.218"N	80°48'09.316"W	8475.47	164.070	1.38	-0.13	-1.38
15177.00	90.120	152.290	6610.38	8	567.16	-8234.54	2369.50	1631808.44	320288.11	39°22'19.389"N	80°48'08.749"W	8568.68	163.947	1.23	0.22	-1.21
15272.00	90.030	151.930	6610.26	8	660.49	-8318.51	2413.94	1631852.87	320204.15	39°22'18.565"N	80°48'08.168"W	8661.68	163.818	0.39	-0.09	-0.38
15367.00	89.970	152.550	6610.26	8	753.86	-8402.57	2458.19	1631897.12	320120.08	39°22'17.741"N	80°48'07.589"W	8754.77	163.693	0.66	-0.06	0.65
15461.00	89.720	152.790	6610.51	8	846.38	-8486.08	2501.35	1631940.27	320036.58	39°22'16.922"N	80°48'07.024"W	8847.05	163.577	0.37	-0.27	0.26
15557.00	89.660	153.650	6611.03	8	941.02	-8571.78	2544.60	1631983.53	319950.88	39°22'16.081"N	80°48'06.457"W	8941.50	163.466	0.90	-0.06	0.90
15652.00	89.630	154.600	6611.62	8	1034.91	-8657.25	2586.06	1632024.98	319865.42	39°22'15.242"N	80°48'05.914"W	9035.25	163.368	1.00	-0.03	1.00
15746.00	89.720	157.570	6612.15	8	1128.24	-8743.17	2624.16	1632063.08	319779.50	39°22'14.399"N	80°48'05.413"W	9128.49	163.293	3.16	0.10	3.16
15841.00	89.750	160.210	6612.59	8	1223.00	-8831.79	2658.37	1632097.29	319690.89	39°22'13.528"N	80°48'04.961"W	9223.20	163.248	2.78	0.03	2.78
15936.00	89.720	159.640	6613.03	8	1317.87	-8921.02	2690.98	1632129.90	319601.67	39°22'12.651"N	80°48'04.529"W	9318.04	163.214	0.60	-0.03	-0.60
16031.00	89.780	158.750	6613.45	8	1412.68	-9009.82	2724.72	1632163.64	319512.87	39°22'11.778"N	80°48'04.083"W	9412.81	163.174	0.94	0.06	-0.94
16126.00	89.690	158.470	6613.89	8	1507.41	-9098.27	2759.37	1632198.28	319424.42	39°22'10.909"N	80°48'03.626"W	9507.51	163.128	0.31	-0.09	-0.29
16222.00	89.690	157.110	6614.41	8	1603.03	-9187.15	2795.66	1632234.57	319335.55	39°22'10.036"N	80°48'03.147"W	9603.09	163.075	1.42	0.00	-1.42
16317.00	89.630	155.710	6614.97	8	1697.42	-9274.21	2833.67	1632272.58	319248.50	39°22'09.181"N	80°48'02.647"W	9697.45	163.010	1.48	-0.06	-1.47
16413.00	89.850	154.340	6615.41	8	1792.52	-9361.23	2874.20	1632313.11	319161.48	39°22'08.326"N	80°48'02.115"W	9792.53	162.932	1.45	0.23	-1.43
16508.00	89.850	155.480	6615.65	8	1886.60	-9447.26	2914.49	1632353.39	319075.45	39°22'07.482"N	80°48'01.587"W	9886.61	162.855	1.20	0.00	1.20
16603.00	89.780	154.250	6615.96	9	1980.68	-9533.26	2954.84	1632393.74	318989.45	39°22'06.638"N	80°48'01.057"W	9980.69	162.779	1.30	-0.07	-1.29
16628.00	89.750	154.130	6616.06	10	2005.39	-9555.77	2965.72	1632404.62	318966.95	39°22'06.417"N	80°48'00.914"W	10005.41	162.758	0.49	-0.12	-0.48
16656.00	89.750	154.130	6616.19	10	2033.07	-9580.96	2977.94	1632416.84	318941.76	39°22'06.170"N	80°48'00.754"W	10033.09	162.734	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: SHR-60 514464 AWB Ref Wellpath: SHR-60 514464 AWP Proj: 16656'									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
17.5in Open Hole	25.50	1018.00	992.50	25.50	1018.00	0.00	0.00	0.94	1.70
13.375in Casing Surface	25.50	1018.00	992.50	25.50	1018.00	0.00	0.00	0.94	1.70
12.25in Open Hole	1018.00	2800.00	1782.00	1018.00	2799.94	0.94	1.70	7.75	9.32
9.625in Casing Intermediate	25.50	2800.00	2774.50	25.50	2799.94	0.00	0.00	7.75	9.32
8.75in Open Hole	2800.00	5197.00	2397.00	2799.94	5196.84	7.75	9.32	-8.68	-0.38
8.5in Open Hole	5197.00	16656.00	11459.00	5196.84	6616.19	-8.68	-0.38	-9580.96	2977.94
5.5in Casing Production	25.50	16656.00	16630.50	25.50	6616.19	0.00	0.00	-9580.96	2977.94

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SHR-60 514464 LP Rev-2	6607.00	-1057.40	-666.44	1628772.65	327464.87	39°23'29.880"N	80°48'48.739"W	point
SHR-60 HL1 Rev-2	6609.50	-60.00	0.43	1629439.49	328462.21	39°23'39.833"N	80°48'40.431"W	polygon
SHR-60 HL2 Rev-2	6609.50	-60.00	0.43	1629439.49	328462.21	39°23'39.833"N	80°48'40.431"W	polygon
SHR-60 HL3 Rev-2	6609.50	-60.00	0.43	1629439.49	328462.21	39°23'39.833"N	80°48'40.431"W	polygon
SHR-60 HL4 Rev-2	6609.50	-60.00	0.43	1629439.49	328462.21	39°23'39.833"N	80°48'40.431"W	polygon

04/19/2024

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SHR-60 HL5 Rev-2	6609.50	-60.00	0.43	1629439.49	328462.21	39°23'39.833"N	80°48'40.431"W	polygon
SHR-60 514464 BHL Rev-2	6625.42	-9588.82	2954.95	1632393.85	318933.90	39°22'06.089"N	80°48'01.045"W	point

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Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 8 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 514464
Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

WELLPATH COMPOSITION - Ref Wellbore: SHR-60 514464 AWB Ref Wellpath: SHR-60 514464 AWP Proj: 16656'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
25.50	5150.00	Gyrodata standard	Continuous gyro	02 Gyrodata Cont Gyro <8-3/4">(100'-5150')	SHR-60 514464 AWB
5150.00	16628.00	OWSG MWD rev2	IFR1 + Multi-Station Correction	03 BH AT Curve + MagVar MSA <8-1/2">(5150')(5205'-16628')	SHR-60 514464 AWB
16628.00	16656.00	Blind Drilling (std)		Projection to bit	SHR-60 514464 AWB

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Actual Wellpath Report

SHR-60 514464 AWP Proj: 16656'

Page 9 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT	Slot	Slot 514464
Area	Tyler County, WV	Well	SHR-60 514464
Field	Tyler	Wellbore	SHR-60 514464 AWB
Facility	SHR-60 Pad		

COMMENTS
<p>Wellpath general comments API: 47-095-02541-0000 BH Job#: 109698251 Rig: Patterson 578 Duration: 3/9/2019 - 3/16/2019 02_Gyrodata Cont Gyro <8-3/4">(100'-5150') 03_BH AT Curve + MagVar MSA <8-1/2">(5150')(5205'-16628') Projected MD at TD: 16656'</p>

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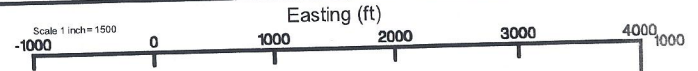
Wv Department of
Environmental Protection

04/19/2024

EQT

Location: Tyler County, WV
 Field: Tyler
 Facility: SHR-60 Pad

Slot: Slot 514464
 Well: SHR-60 514464
 Wellbore: SHR-60 514464 PWB



Gyrodatta Cont Gyro <8-3/4">(100'-5150') : 100.00ft TVD, 0.00ft N, 0.08ft E
 BH AT Curve + MagVar MSA <8-1/2">(5150')(5205'-16628') : 5204.83ft TVD, 8.82ft S, 0.39ft W

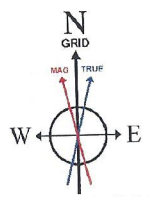
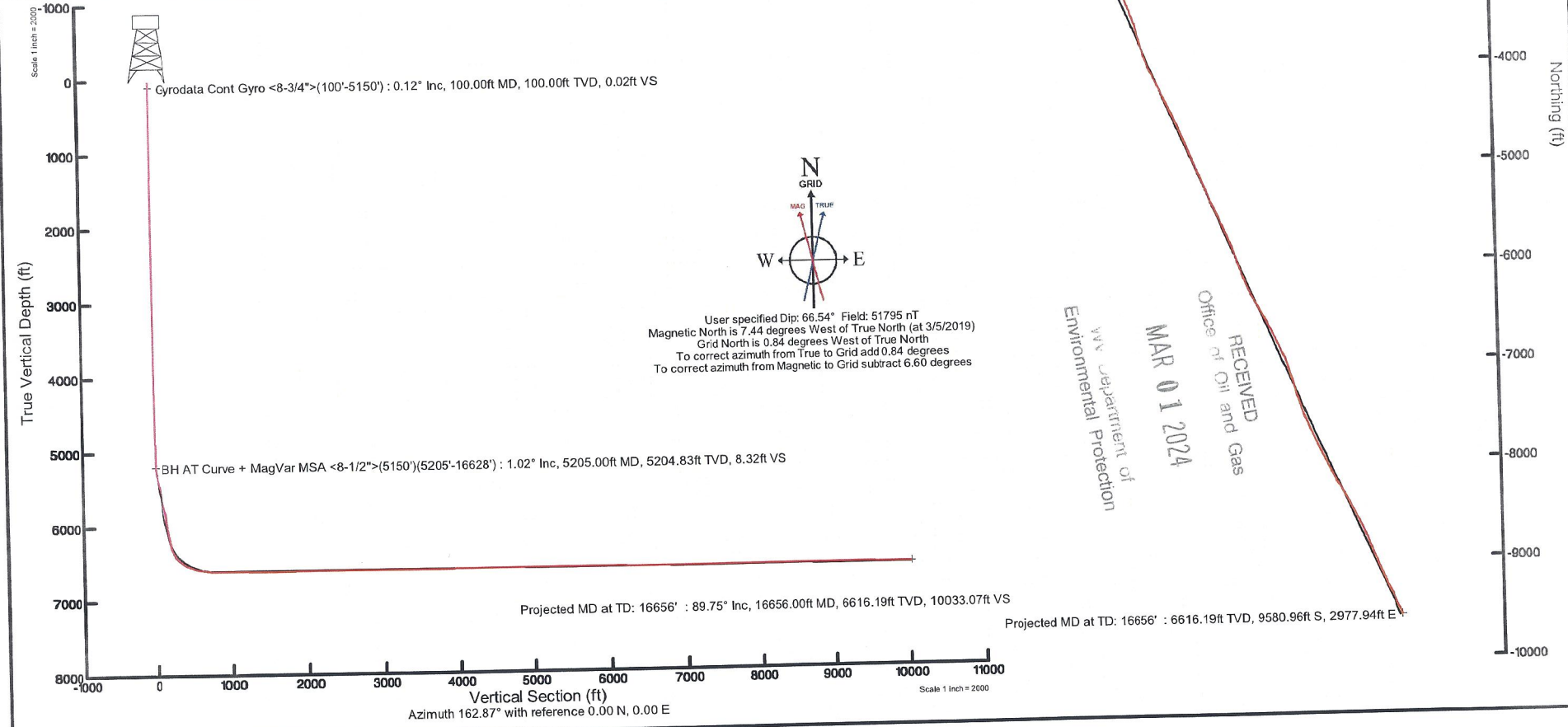
Resolution: Wellbore: SHA (N 514464) NFP PLU 8.0	Grid System: NAD2011 - Lambert West Virginia SP Northern Zone (4701) US Feet
True North: 0.84 degrees West of True North	North Reference: Grid North
Measured depths are referenced to Patterson 578 000'	Scale: True distance
Patterson 578 (RKB) to Mean Sea Level: 1036.5ft	Depth: well in feet
Mean Sea Level to Ground level (MSL): 511.55ft (MSL) - 1311 feet	Created by: jrc on 2019-03-20
Coordinates are in feet referenced to: NAD	Database: WVA_SPL_02-2019-03-20

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
SHR-60 Pad	1629438.620	3265822.210	39°23'41.019"N	80°48'49.465"W	
Slot	Local N (ft)	Local E (ft)	Grid North (US ft)	Latitude	Longitude
Slot 514464	-60.00	0.44	1629438.060	39°23'40.426"N	80°48'49.448"W
Patterson 578 (RKB) to Ground level (At Slot: Slot 514464)					25.56
Mean Sea Level to Ground level (At Slot: Slot 514464)					-1036.50
Patterson 578 (RKB) to Mean Sea Level					1036.50

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (100ft)	VS (ft)
Tie On	5150.00	0.750	202.980	5149.84	-8.00	-0.21	0.42	7.58
PTB / Nudge	5197.00	0.700	202.980	5196.84	-8.57	-0.45	0.00	8.06
Build/Turn	5281.00	9.000	189.000	5281.06	-15.32	1.60	10.00	15.11
Hold	5700.96	42.830	239.043	5658.81	-124.47	-114.81	10.00	85.13
KCP	6473.63	42.890	239.043	6225.06	-395.04	-565.88	0.00	210.84
LP	7319.77	90.000	157.000	6607.00	-1057.40	-686.44	10.00	814.20
Drop	11308.05	90.000	157.000	6607.00	-4726.63	891.92	0.00	4781.57
Hold	11314.72	89.800	157.000	6607.01	-4734.76	894.53	3.00	4788.20
BHL	16588.00	89.800	157.000	6625.42	-9586.82	2954.95	0.00	10633.80



API: 47-095-02541-0000
 BH Job#: 109698251
 Rig: Patterson 578
 Duration: 3/9/2019 - 3/16/2019



User specified Dip: 66.54° Field: 51795 nT
 Magnetic North is 7.44 degrees West of True North (at 3/5/2019)
 Grid North is 0.84 degrees West of True North
 To correct azimuth from True to Grid add 0.84 degrees
 To correct azimuth from Magnetic to Grid subtract 6.60 degrees

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