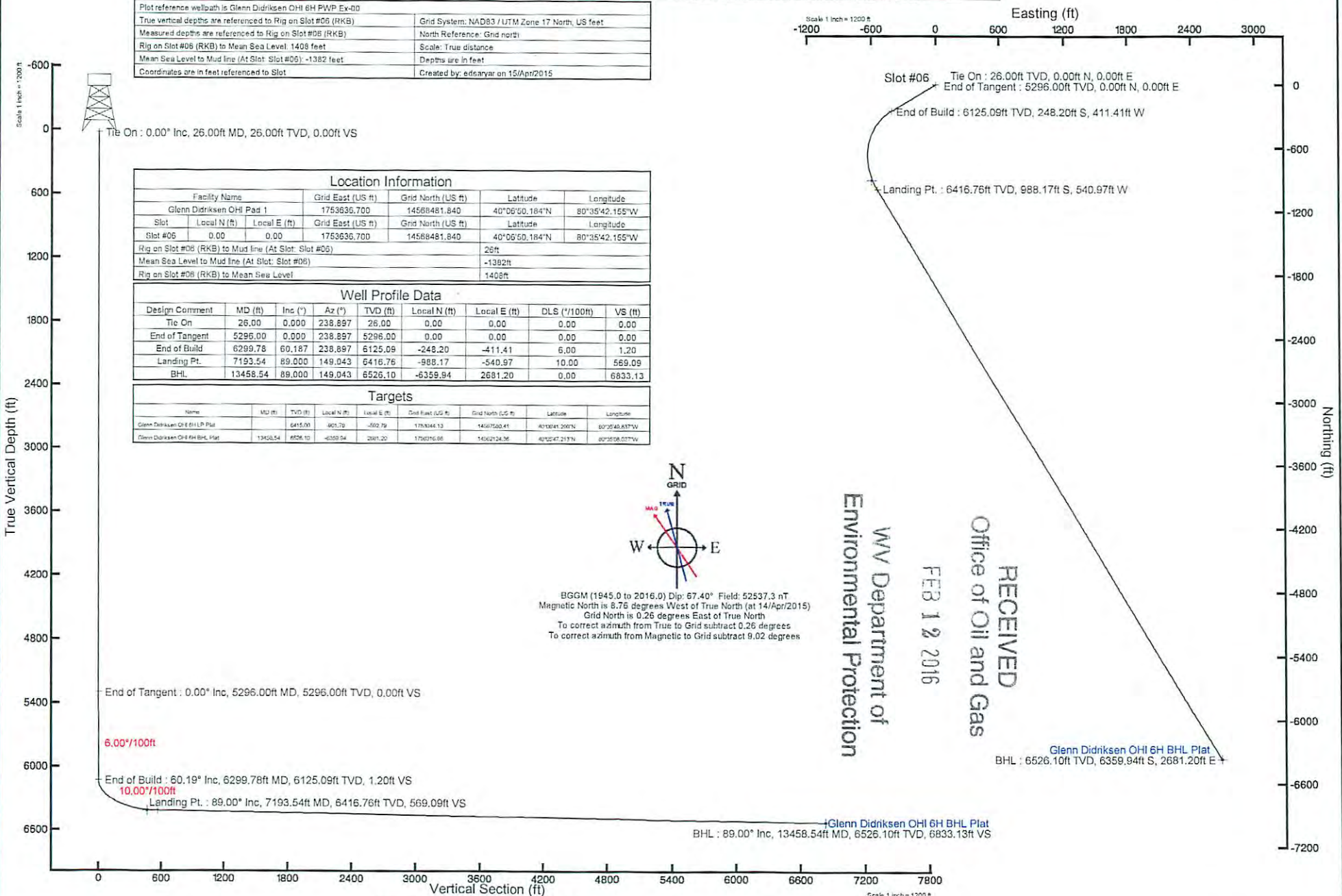


SOUTHWESTERN ENERGY

Location: Ohio County, WV
Field: Ohio
Facility: Glenn Didriksen OHI Pad 1

Slot: Slot #06
Well: Glenn Didriksen OHI 6H
Wellbore: Glenn Didriksen OHI 6H PWB

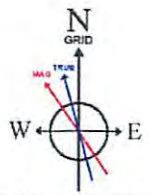
Plot reference wellpath is Glenn Didriksen OHI 6H PWB Ex-00	
True vertical depths are referenced to Rig on Slot #06 (RKB)	Grid System: NAD83 / UTM Zone 17 North, US feet
Measured depths are referenced to Rig on Slot #06 (RKB)	North Reference: Grid north
Rig on Slot #06 (RKB) to Mean Sea Level: 1408 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Slot #06): -1382 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: edcaryar on 15/Apr/2015



Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Glenn Didriksen OHI Pad 1	1753636.700	14568481.840	40°06'50.184"N	80°35'42.155"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Slot #06	0.00	0.00	1753636.700	14568481.840
			40°06'50.184"N	80°35'42.155"W
Rig on Slot #06 (RKB) to Mud line (At Slot: Slot #06)			26ft	
Mean Sea Level to Mud line (At Slot: Slot #06)			-1382ft	
Rig on Slot #06 (RKB) to Mean Sea Level			1408ft	

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)
Tie On	26.00	0.000	238.897	26.00	0.00	0.00	0.00
End of Tangent	5296.00	0.000	238.897	5296.00	0.00	0.00	0.00
End of Build	6299.78	60.187	238.897	6125.09	-248.20	-411.41	6.00
Landing Pt.	7193.54	89.000	149.043	6416.76	-988.17	-540.97	10.00
BHL	13458.54	89.000	149.043	6526.10	-6359.94	2681.20	0.00

Targets							
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Glenn Didriksen OHI 6H LP Plat	6415.00	601.79	-592.79	1793044.13	14567500.41	4010241.2007N	80°20'45.837"W
Glenn Didriksen OHI 6H BHL Plat	13458.54	6526.10	-6359.94	2681.20	14562124.36	4010247.2117N	80°35'08.077"W



BGGM (1945.0 to 2016.0) Dip: 67.40° Field: 52537.3 nT
Magnetic North is 8.76 degrees West of True North (at 14/Apr/2015)
Grid North is 0.26 degrees East of True North
To correct azimuth from True to Grid subtract 0.26 degrees
To correct azimuth from Magnetic to Grid subtract 9.02 degrees

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Glenn Didriksen OHI 6H BHL Plat
BHL : 6526.10ft TVD, 6359.94ft S, 2681.20ft E

Glenn Didriksen OHI 6H BHL Plat
BHL : 89.00° Inc, 13458.54ft MD, 6526.10ft TVD, 6833.13ft VS

Azimuth 149.04° with reference 0.00 N, 0.00 E

Scale 1 inch = 1200 ft



Planned Wellpath Report

Glenn Didriksen OHI 6H PWP Ex-00

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REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #06
Area	Ohio County, WV	Well	Glenn Didriksen OHI 6H
Field	Ohio	Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Edsaryar
Scale	0.999615	Report Generated	15/Apr/2015 at 07:42
Convergence at slot	0.26° East	Database/Source file	WellArchitectEasternDB/Glenn_Didriksen_OHI_6H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W
Facility Reference Pt			1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W
Field Reference Pt			0.00	0.00	0°00'00.000"	85°29'19.478"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on Slot #06 (RKB) to Facility Vertical Datum	26.00ft
Horizontal Reference Pt	Slot	Rig on Slot #06 (RKB) to Mean Sea Level	1408.00ft
Vertical Reference Pt	Rig on Slot #06 (RKB)	Rig on Slot #06 (RKB) to Mud Line at Slot (Slot #06)	26.00ft
MD Reference Pt	Rig on Slot #06 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	149.04°

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SOUTHWESTERN ENERGY	Slot	Slot #06
Area	Ohio County, WV	Well	Glenn Didriksen OHI 6H
Field	Ohio	Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1		

WELLPATH DATA (140 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†	0.000	238.897	0.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
26.00	0.000	238.897	26.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
126.00†	0.000	238.897	126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
226.00†	0.000	238.897	226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
326.00†	0.000	238.897	326.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
426.00†	0.000	238.897	426.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
526.00†	0.000	238.897	526.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
626.00†	0.000	238.897	626.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
726.00†	0.000	238.897	726.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
826.00†	0.000	238.897	826.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
926.00†	0.000	238.897	926.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1026.00†	0.000	238.897	1026.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1126.00†	0.000	238.897	1126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1226.00†	0.000	238.897	1226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1326.00†	0.000	238.897	1326.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1426.00†	0.000	238.897	1426.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1526.00†	0.000	238.897	1526.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1626.00†	0.000	238.897	1626.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1726.00†	0.000	238.897	1726.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1826.00†	0.000	238.897	1826.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
1926.00†	0.000	238.897	1926.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2026.00†	0.000	238.897	2026.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2126.00†	0.000	238.897	2126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2226.00†	0.000	238.897	2226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2326.00†	0.000	238.897	2326.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2426.00†	0.000	238.897	2426.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2526.00†	0.000	238.897	2526.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2626.00†	0.000	238.897	2626.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2726.00†	0.000	238.897	2726.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
2826.00†	0.000	238.897	2826.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00



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REFERENCE WELLPATH IDENTIFICATION			
Operator	SOUTHWESTERN ENERGY	Slot	Slot #06
Area	Ohio County, WV	Well	Glenn Didriksen OHI 6H
Field	Ohio	Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1		

WELLPATH DATA (140 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]
2926.00†	0.000	238.897	2926.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3026.00†	0.000	238.897	3026.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3126.00†	0.000	238.897	3126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3226.00†	0.000	238.897	3226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3326.00†	0.000	238.897	3326.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3426.00†	0.000	238.897	3426.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3526.00†	0.000	238.897	3526.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3626.00†	0.000	238.897	3626.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3726.00†	0.000	238.897	3726.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3826.00†	0.000	238.897	3826.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
3926.00†	0.000	238.897	3926.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4026.00†	0.000	238.897	4026.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4126.00†	0.000	238.897	4126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4226.00†	0.000	238.897	4226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4326.00†	0.000	238.897	4326.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4426.00†	0.000	238.897	4426.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4526.00†	0.000	238.897	4526.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4626.00†	0.000	238.897	4626.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4726.00†	0.000	238.897	4726.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4826.00†	0.000	238.897	4826.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
4926.00†	0.000	238.897	4926.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
5026.00†	0.000	238.897	5026.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
5126.00†	0.000	238.897	5126.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
5226.00†	0.000	238.897	5226.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
5296.00	0.000	238.897	5296.00	0.00	0.00	0.00	1753636.70	14568481.84	40°06'50.184"N	80°35'42.155"W	0.00	0.000	0.00	0.00	0.00
5326.00†	1.799	238.897	5326.00	0.00	-0.24	-0.40	1753636.30	14568481.60	40°06'50.182"N	80°35'42.160"W	0.47	238.897	6.00	6.00	0.00
5426.00†	7.795	238.897	5425.60	0.02	-4.56	-7.56	1753629.14	14568477.28	40°06'50.139"N	80°35'42.252"W	8.83	238.897	6.00	6.00	0.00
5526.00†	13.791	238.897	5523.79	0.07	-14.23	-23.59	1753613.12	14568467.62	40°06'50.044"N	80°35'42.459"W	27.55	238.897	6.00	6.00	0.00
5626.00†	19.787	238.897	5619.48	0.14	-29.14	-48.31	1753588.41	14568452.71	40°06'49.898"N	80°35'42.778"W	56.42	238.897	6.00	6.00	0.00
5726.00†	25.783	238.897	5711.63	0.24	-49.14	-81.45	1753555.28	14568432.72	40°06'49.702"N	80°35'43.206"W	95.13	238.897	6.00	6.00	0.00



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WV Department of Environmental Protection
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REFERENCE WELLPATH IDENTIFICATION				
Operator	SOUTHWESTERN ENERGY		Slot	Slot #06
Area	Ohio County, WV		Well	Glenn Didriksen OHI 6H
Field	Ohio		Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1			

WELLPATH DATA (140 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]
5826.00†	31.779	238.897	5799.24	0.36	-74.00	-122.66	1753514.09	14568407.87	40°06'49.458"N	80°35'43.738"W	143.25	238.897	6.00	6.00	0.00
5926.00†	37.775	238.897	5881.34	0.50	-103.45	-171.47	1753465.29	14568378.43	40°06'49.169"N	80°35'44.368"W	200.26	238.897	6.00	6.00	0.00
6026.00†	43.771	238.897	5957.04	0.66	-137.17	-227.37	1753409.42	14568344.72	40°06'48.839"N	80°35'45.089"W	265.54	238.897	6.00	6.00	0.00
6126.00†	49.767	238.897	6025.50	0.84	-174.79	-289.72	1753347.09	14568307.12	40°06'48.470"N	80°35'45.894"W	338.37	238.897	6.00	6.00	0.00
6226.00†	55.763	238.897	6085.98	1.04	-215.90	-357.86	1753278.97	14568266.02	40°06'48.067"N	80°35'46.773"W	417.95	238.897	6.00	6.00	0.00
6299.78	60.187	238.897	6125.09	1.20	-248.20	-411.41	1753225.45	14568233.73	40°06'47.750"N	80°35'47.465"W	480.48	238.897	6.00	6.00	0.00
6326.00†	60.185	235.875	6138.13	1.85	-260.46	-430.57	1753206.30	14568221.48	40°06'47.629"N	80°35'47.712"W	503.22	238.829	10.00	-0.01	-11.53
6426.00†	60.805	224.402	6187.51	15.31	-316.13	-497.19	1753139.70	14568165.84	40°06'47.082"N	80°35'48.573"W	589.18	237.551	10.00	0.62	-11.47
6526.00†	62.383	213.171	6235.20	45.75	-384.57	-552.11	1753084.80	14568097.42	40°06'46.408"N	80°35'49.283"W	672.84	235.141	10.00	1.58	-11.23
6626.00†	64.835	202.344	6279.75	92.24	-463.71	-593.66	1753043.27	14568018.31	40°06'45.628"N	80°35'49.823"W	753.30	232.006	10.00	2.45	-10.83
6726.00†	68.038	192.004	6319.81	153.37	-551.15	-620.58	1753016.36	14567930.91	40°06'44.765"N	80°35'50.174"W	829.99	228.391	10.00	3.20	-10.34
6826.00†	71.857	182.162	6354.17	227.29	-644.22	-632.04	1753004.90	14567837.87	40°06'43.846"N	80°35'50.327"W	902.50	224.453	10.00	3.82	-9.84
6926.00†	76.154	172.765	6381.77	311.74	-740.11	-627.71	1753009.23	14567742.02	40°06'42.898"N	80°35'50.277"W	970.45	220.302	10.00	4.30	-9.40
7026.00†	80.794	163.721	6401.79	404.16	-835.89	-607.71	1753029.22	14567646.28	40°06'41.951"N	80°35'50.025"W	1033.45	216.018	10.00	4.64	-9.04
7126.00†	85.654	154.917	6413.61	501.75	-928.65	-572.65	1753064.27	14567553.55	40°06'41.033"N	80°35'49.580"W	1091.02	211.660	10.00	4.86	-8.80
7193.54	89.000	149.043	6416.76†	569.09	-988.17	-540.97	1753095.94	14567494.05	40°06'40.443"N	80°35'49.175"W	1126.56	208.698	10.00	4.95	-8.70
7226.00†	89.000	149.043	6417.33	601.54	-1016.01	-524.28	1753112.63	14567466.23	40°06'40.167"N	80°35'48.962"W	1143.30	207.294	0.00	0.00	0.00
7326.00†	89.000	149.043	6419.07	701.53	-1101.75	-472.85	1753164.04	14567380.52	40°06'39.318"N	80°35'48.305"W	1198.93	203.228	0.00	0.00	0.00
7426.00†	89.000	149.043	6420.82	801.51	-1187.49	-421.41	1753215.45	14567294.81	40°06'38.468"N	80°35'47.648"W	1260.05	199.539	0.00	0.00	0.00
7526.00†	89.000	149.043	6422.56	901.50	-1273.24	-369.98	1753266.86	14567209.10	40°06'37.618"N	80°35'46.991"W	1325.90	196.203	0.00	0.00	0.00
7626.00†	89.000	149.043	6424.31	1001.48	-1358.98	-318.55	1753318.27	14567123.39	40°06'36.769"N	80°35'46.334"W	1395.81	193.192	0.00	0.00	0.00
7726.00†	89.000	149.043	6426.05	1101.47	-1444.72	-267.12	1753369.68	14567037.68	40°06'35.919"N	80°35'45.677"W	1469.21	190.475	0.00	0.00	0.00
7826.00†	89.000	149.043	6427.80	1201.45	-1530.46	-215.69	1753421.09	14566951.97	40°06'35.070"N	80°35'45.020"W	1545.59	188.022	0.00	0.00	0.00
7926.00†	89.000	149.043	6429.54	1301.44	-1616.21	-164.26	1753472.51	14566866.26	40°06'34.220"N	80°35'44.364"W	1624.53	185.803	0.00	0.00	0.00
8026.00†	89.000	149.043	6431.29	1401.42	-1701.95	-112.83	1753523.92	14566780.55	40°06'33.370"N	80°35'43.707"W	1705.68	183.793	0.00	0.00	0.00
8126.00†	89.000	149.043	6433.03	1501.41	-1787.69	-61.40	1753575.33	14566694.84	40°06'32.521"N	80°35'43.050"W	1788.74	181.967	0.00	0.00	0.00
8226.00†	89.000	149.043	6434.78	1601.39	-1873.43	-9.96	1753626.74	14566609.13	40°06'31.671"N	80°35'42.393"W	1873.46	180.305	0.00	0.00	0.00
8326.00†	89.000	149.043	6436.52	1701.38	-1959.18	41.47	1753678.15	14566523.42	40°06'30.822"N	80°35'41.736"W	1959.61	178.787	0.00	0.00	0.00
8426.00†	89.000	149.043	6438.27	1801.36	-2044.92	92.90	1753729.56	14566437.71	40°06'29.972"N	80°35'41.079"W	2047.03	177.399	0.00	0.00	0.00
8526.00†	89.000	149.043	6440.02	1901.35	-2130.66	144.33	1753780.97	14566352.00	40°06'29.122"N	80°35'40.422"W	2135.54	176.125	0.00	0.00	0.00



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Glenn Didriksen OHI 6H PWP Ex-00

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REFERENCE WELLPATH IDENTIFICATION					
Operator	SOUTHWESTERN ENERGY			Slot	Slot #06
Area	Ohio County, WV			Well	Glenn Didriksen OHI 6H
Field	Ohio			Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1				

WELLPATH DATA (140 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]
8626.00†	89.000	149.043	6441.76	2001.33	-2216.40	195.76	1753832.39	14566266.30	40°06'28.273"N	80°35'39.765"W	2225.03	174.953	0.00	0.00	0.00
8726.00†	89.000	149.043	6443.51	2101.32	-2302.15	247.19	1753883.80	14566180.59	40°06'27.423"N	80°35'39.108"W	2315.38	173.871	0.00	0.00	0.00
8826.00†	89.000	149.043	6445.25	2201.30	-2387.89	298.62	1753935.21	14566094.88	40°06'26.573"N	80°35'38.452"W	2406.49	172.872	0.00	0.00	0.00
8926.00†	89.000	149.043	6447.00	2301.29	-2473.63	350.05	1753986.62	14566009.17	40°06'25.724"N	80°35'37.795"W	2498.28	171.945	0.00	0.00	0.00
9026.00†	89.000	149.043	6448.74	2401.27	-2559.37	401.49	1754038.03	14565923.46	40°06'24.874"N	80°35'37.138"W	2590.67	171.085	0.00	0.00	0.00
9126.00†	89.000	149.043	6450.49	2501.26	-2645.12	452.92	1754089.44	14565837.75	40°06'24.024"N	80°35'36.481"W	2683.61	170.284	0.00	0.00	0.00
9226.00†	89.000	149.043	6452.23	2601.24	-2730.86	504.35	1754140.85	14565752.04	40°06'23.175"N	80°35'35.824"W	2777.04	169.536	0.00	0.00	0.00
9326.00†	89.000	149.043	6453.98	2701.23	-2816.60	555.78	1754192.26	14565666.33	40°06'22.325"N	80°35'35.167"W	2870.91	168.838	0.00	0.00	0.00
9426.00†	89.000	149.043	6455.72	2801.21	-2902.34	607.21	1754243.68	14565580.62	40°06'21.476"N	80°35'34.510"W	2965.18	168.183	0.00	0.00	0.00
9526.00†	89.000	149.043	6457.47	2901.19	-2988.09	658.64	1754295.09	14565494.91	40°06'20.626"N	80°35'33.854"W	3059.81	167.569	0.00	0.00	0.00
9626.00†	89.000	149.043	6459.21	3001.18	-3073.83	710.07	1754346.50	14565409.20	40°06'19.776"N	80°35'33.197"W	3154.78	166.992	0.00	0.00	0.00
9726.00†	89.000	149.043	6460.96	3101.16	-3159.57	761.50	1754397.91	14565323.49	40°06'18.927"N	80°35'32.540"W	3250.04	166.449	0.00	0.00	0.00
9826.00†	89.000	149.043	6462.70	3201.15	-3245.31	812.94	1754449.32	14565237.78	40°06'18.077"N	80°35'31.883"W	3345.58	165.937	0.00	0.00	0.00
9926.00†	89.000	149.043	6464.45	3301.13	-3331.06	864.37	1754500.73	14565152.07	40°06'17.227"N	80°35'31.226"W	3441.38	165.453	0.00	0.00	0.00
10026.00†	89.000	149.043	6466.19	3401.12	-3416.80	915.80	1754552.14	14565066.37	40°06'16.378"N	80°35'30.569"W	3537.40	164.996	0.00	0.00	0.00
10126.00†	89.000	149.043	6467.94	3501.10	-3502.54	967.23	1754603.56	14564980.66	40°06'15.528"N	80°35'29.913"W	3633.64	164.562	0.00	0.00	0.00
10226.00†	89.000	149.043	6469.68	3601.09	-3588.28	1018.66	1754654.97	14564894.95	40°06'14.678"N	80°35'29.256"W	3730.07	164.152	0.00	0.00	0.00
10326.00†	89.000	149.043	6471.43	3701.07	-3674.03	1070.09	1754706.38	14564809.24	40°06'13.829"N	80°35'28.599"W	3826.69	163.761	0.00	0.00	0.00
10426.00†	89.000	149.043	6473.17	3801.06	-3759.77	1121.52	1754757.79	14564723.53	40°06'12.979"N	80°35'27.942"W	3923.48	163.390	0.00	0.00	0.00
10526.00†	89.000	149.043	6474.92	3901.04	-3845.51	1172.95	1754809.20	14564637.82	40°06'12.129"N	80°35'27.285"W	4020.42	163.037	0.00	0.00	0.00
10626.00†	89.000	149.043	6476.67	4001.03	-3931.25	1224.39	1754860.61	14564552.11	40°06'11.280"N	80°35'26.629"W	4117.51	162.701	0.00	0.00	0.00
10726.00†	89.000	149.043	6478.41	4101.01	-4017.00	1275.82	1754912.02	14564466.40	40°06'10.430"N	80°35'25.972"W	4214.73	162.380	0.00	0.00	0.00
10826.00†	89.000	149.043	6480.16	4201.00	-4102.74	1327.25	1754963.43	14564380.69	40°06'09.581"N	80°35'25.315"W	4312.08	162.073	0.00	0.00	0.00
10926.00†	89.000	149.043	6481.90	4300.98	-4188.48	1378.68	1755014.85	14564294.98	40°06'08.731"N	80°35'24.658"W	4409.55	161.781	0.00	0.00	0.00
11026.00†	89.000	149.043	6483.65	4400.97	-4274.22	1430.11	1755066.26	14564209.27	40°06'07.881"N	80°35'24.002"W	4507.13	161.500	0.00	0.00	0.00
11126.00†	89.000	149.043	6485.39	4500.95	-4359.97	1481.54	1755117.67	14564123.56	40°06'07.032"N	80°35'23.345"W	4604.81	161.232	0.00	0.00	0.00
11226.00†	89.000	149.043	6487.14	4600.94	-4445.71	1532.97	1755169.08	14564037.85	40°06'06.182"N	80°35'22.688"W	4702.59	160.975	0.00	0.00	0.00
11326.00†	89.000	149.043	6488.88	4700.92	-4531.45	1584.41	1755220.49	14563952.14	40°06'05.332"N	80°35'22.031"W	4800.46	160.728	0.00	0.00	0.00
11426.00†	89.000	149.043	6490.63	4800.91	-4617.19	1635.84	1755271.90	14563866.43	40°06'04.483"N	80°35'21.375"W	4898.41	160.491	0.00	0.00	0.00
11526.00†	89.000	149.043	6492.37	4900.89	-4702.94	1687.27	1755323.31	14563780.73	40°06'03.633"N	80°35'20.718"W	4996.45	160.264	0.00	0.00	0.00



Planned Wellpath Report

Glenn Didriksen OHI 6H PWP Ex-00

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REFERENCE WELLPATH IDENTIFICATION

Operator	SOUTHWESTERN ENERGY	Slot	Slot #06
Area	Ohio County, WV	Well	Glenn Didriksen OHI 6H
Field	Ohio	Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1		

WELLPATH DATA (140 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]
11626.00†	89.000	149.043	6494.12	5000.87	-4788.68	1738.70	1755374.73	14563695.02	40°06'02.783"N	80°35'20.061"W	5094.56	160.045	0.00	0.00	0.00
11726.00†	89.000	149.043	6495.86	5100.86	-4874.42	1790.13	1755426.14	14563609.31	40°06'01.934"N	80°35'19.404"W	5192.74	159.834	0.00	0.00	0.00
11826.00†	89.000	149.043	6497.61	5200.84	-4960.16	1841.56	1755477.55	14563523.60	40°06'01.084"N	80°35'18.748"W	5290.99	159.632	0.00	0.00	0.00
11926.00†	89.000	149.043	6499.35	5300.83	-5045.91	1892.99	1755528.96	14563437.89	40°06'00.234"N	80°35'18.091"W	5389.30	159.436	0.00	0.00	0.00
12026.00†	89.000	149.043	6501.10	5400.81	-5131.65	1944.42	1755580.37	14563352.18	40°05'59.385"N	80°35'17.434"W	5487.68	159.248	0.00	0.00	0.00
12126.00†	89.000	149.043	6502.84	5500.80	-5217.39	1995.86	1755631.78	14563266.47	40°05'58.535"N	80°35'16.777"W	5586.11	159.066	0.00	0.00	0.00
12226.00†	89.000	149.043	6504.59	5600.78	-5303.13	2047.29	1755683.19	14563180.76	40°05'57.685"N	80°35'16.121"W	5684.59	158.891	0.00	0.00	0.00
12326.00†	89.000	149.043	6506.33	5700.77	-5388.88	2098.72	1755734.60	14563095.05	40°05'56.836"N	80°35'15.464"W	5783.13	158.721	0.00	0.00	0.00
12426.00†	89.000	149.043	6508.08	5800.75	-5474.62	2150.15	1755786.02	14563009.34	40°05'55.986"N	80°35'14.807"W	5881.72	158.558	0.00	0.00	0.00
12526.00†	89.000	149.043	6509.82	5900.74	-5560.36	2201.58	1755837.43	14562923.63	40°05'55.136"N	80°35'14.151"W	5980.35	158.399	0.00	0.00	0.00
12626.00†	89.000	149.043	6511.57	6000.72	-5646.10	2253.01	1755888.84	14562837.92	40°05'54.287"N	80°35'13.494"W	6079.03	158.246	0.00	0.00	0.00
12726.00†	89.000	149.043	6513.32	6100.71	-5731.85	2304.44	1755940.25	14562752.21	40°05'53.437"N	80°35'12.837"W	6177.74	158.098	0.00	0.00	0.00
12826.00†	89.000	149.043	6515.06	6200.69	-5817.59	2355.87	1755991.66	14562666.50	40°05'52.587"N	80°35'12.181"W	6276.50	157.954	0.00	0.00	0.00
12926.00†	89.000	149.043	6516.81	6300.68	-5903.33	2407.31	1756043.07	14562580.80	40°05'51.738"N	80°35'11.524"W	6375.30	157.815	0.00	0.00	0.00
13026.00†	89.000	149.043	6518.55	6400.66	-5989.07	2458.74	1756094.48	14562495.09	40°05'50.888"N	80°35'10.867"W	6474.13	157.680	0.00	0.00	0.00
13126.00†	89.000	149.043	6520.30	6500.65	-6074.82	2510.17	1756145.90	14562409.38	40°05'50.038"N	80°35'10.210"W	6573.00	157.549	0.00	0.00	0.00
13226.00†	89.000	149.043	6522.04	6600.63	-6160.56	2561.60	1756197.31	14562323.67	40°05'49.189"N	80°35'09.554"W	6671.90	157.422	0.00	0.00	0.00
13326.00†	89.000	149.043	6523.79	6700.62	-6246.30	2613.03	1756248.72	14562237.96	40°05'48.339"N	80°35'08.897"W	6770.84	157.299	0.00	0.00	0.00
13426.00†	89.000	149.043	6525.53	6800.60	-6332.04	2664.46	1756300.13	14562152.25	40°05'47.489"N	80°35'08.240"W	6869.80	157.179	0.00	0.00	0.00
13458.54	89.000	149.043	6526.10 ²	6833.13	-6359.94	2681.20	1756316.86	14562124.36	40°05'47.213"N	80°35'08.027"W	6902.01	157.141	0.00	0.00	0.00

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Planned Wellpath Report

Glenn Didriksen OHI 6H PWP Ex-00

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REFERENCE WELLPATH IDENTIFICATION			
Operator	SOUTHWESTERN ENERGY	Slot	Slot #06
Area	Ohio County, WV	Well	Glenn Didriksen OHI 6H
Field	Ohio	Wellbore	Glenn Didriksen OHI 6H PWB
Facility	Glenn Didriksen OHI Pad 1		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Glenn Didriksen OHI 6H LP Plat		6415.00	-901.78	-592.79	1753044.13	14567580.41	40°06'41.299"N	80°35'49.837"W	point
2) Glenn Didriksen OHI 6H BHL Plat	13458.54	6526.10	-6359.94	2681.20	1756316.86	14562124.36	40°05'47.213"N	80°35'08.027"W	point

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