



Planned Wellpath Report

BOOTH STATE 11N (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Guenaler
Scale	0.999959	Report Generated	5/25/2024 at 10:24:16 PM
Convergence at slot	0.43° East	Database	WA_Denver

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-150.10	0.01	3185351.84	1378425.12	40.3702700°	-104.8347740°
Facility Reference Pt			3185351.83	1378575.22	40.3706820°	-104.8347700°
Field Reference Pt			3296400.32	1413291.61	40.4630000°	-104.4347500°

WELLPATH DATUM

Calculation method	Minimum curvature	(4980'GL+30'KB@5010'RKB) (RKB) to Facility Vertical Datum	5010.00ft
Horizontal Reference Pt	Slot	(4980'GL+30'KB@5010'RKB) (RKB) to Mean Sea Level	5010.00ft
Vertical Reference Pt	(4980'GL+30'KB@5010'RKB) (RKB)	(4980'GL+30'KB@5010'RKB) (RKB) to Ground Level at Slot (SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25))	5010.00ft
MD Reference Pt	(4980'GL+30'KB@5010'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	258.45°



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WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	143.693	0.00	0.00	0.00	0.00	40.3702700	-104.8347740	0.00	
30.00	0.000	143.693	30.00	0.00	0.00	0.00	40.3702700	-104.8347740	0.00	Tie On
130.00†	0.000	143.693	130.00	0.00	0.00	0.00	40.3702700	-104.8347740	0.00	
230.00†	0.000	143.693	230.00	0.00	0.00	0.00	40.3702700	-104.8347740	0.00	
300.00	0.000	143.693	300.00	0.00	0.00	0.00	40.3702700	-104.8347740	0.00	End of Tangent
330.00†	0.600	143.693	330.00	-0.07	-0.13	0.09	40.3702697	-104.8347737	2.00	
430.00†	2.600	143.693	429.96	-1.23	-2.38	1.75	40.3702634	-104.8347678	2.00	
530.00†	4.600	143.693	529.75	-3.86	-7.44	5.46	40.3702495	-104.8347546	2.00	
630.00†	6.600	143.693	629.27	-7.95	-15.30	11.24	40.3702278	-104.8347341	2.00	
730.00†	8.600	143.693	728.39	-13.49	-25.96	19.07	40.3701984	-104.8347063	2.00	
830.00†	10.600	143.693	826.98	-20.47	-39.40	28.95	40.3701613	-104.8346712	2.00	
904.48†	12.090	143.693	900.00	-26.60	-51.20	37.62	40.3701287	-104.8346404	2.00	PIERRE
930.00†	12.600	143.693	924.93	-28.89	-55.60	40.85	40.3701165	-104.8346289	2.00	
1027.80†	14.556	143.693	1020.00	-38.50	-74.10	54.45	40.3700655	-104.8345806	2.00	U PAWNEE
1030.00†	14.600	143.693	1022.13	-38.73	-74.55	54.77	40.3700643	-104.8345794	2.00	
1130.00†	16.600	143.693	1118.44	-49.99	-96.22	70.70	40.3700044	-104.8345229	2.00	
1230.00†	18.600	143.693	1213.75	-62.65	-120.58	88.60	40.3699372	-104.8344593	2.00	
1313.13	20.263	143.693	1292.14	-74.23	-142.87	104.97	40.3698757	-104.8344011	2.00	End of Build (XS)
1330.00†	20.263	143.693	1307.97	-76.68	-147.58	108.43	40.3698627	-104.8343888	0.00	
1430.00†	20.263	143.693	1401.78	-91.18	-175.48	128.94	40.3697857	-104.8343160	0.00	
1530.00†	20.263	143.693	1495.59	-105.68	-203.39	149.44	40.3697086	-104.8342432	0.00	
1540.03†	20.263	143.693	1505.00	-107.13	-206.19	151.50	40.3697009	-104.8342359	0.00	U PAWNEE BASE
1630.00†	20.263	143.693	1589.40	-120.18	-231.30	169.95	40.3696316	-104.8341703	0.00	
1730.00†	20.263	143.693	1683.22	-134.68	-259.21	190.46	40.3695546	-104.8340975	0.00	
1830.00†	20.263	143.693	1777.03	-149.18	-287.12	210.96	40.3694776	-104.8340247	0.00	
1930.00†	20.263	143.693	1870.84	-163.68	-315.03	231.47	40.3694005	-104.8339518	0.00	
2030.00†	20.263	143.693	1964.65	-178.18	-342.94	251.98	40.3693235	-104.8338790	0.00	
2130.00†	20.263	143.693	2058.46	-192.68	-370.85	272.48	40.3692465	-104.8338061	0.00	
2230.00†	20.263	143.693	2152.27	-207.18	-398.75	292.99	40.3691694	-104.8337333	0.00	
2330.00†	20.263	143.693	2246.08	-221.68	-426.66	313.49	40.3690924	-104.8336605	0.00	
2430.00†	20.263	143.693	2339.90	-236.18	-454.57	334.00	40.3690154	-104.8335876	0.00	
2530.00†	20.263	143.693	2433.71	-250.68	-482.48	354.51	40.3689384	-104.8335148	0.00	
2630.00†	20.263	143.693	2527.52	-265.19	-510.39	375.01	40.3688613	-104.8334420	0.00	
2730.00†	20.263	143.693	2621.33	-279.69	-538.30	395.52	40.3687843	-104.8333691	0.00	
2830.00†	20.263	143.693	2715.14	-294.19	-566.21	416.02	40.3687073	-104.8332963	0.00	
2930.00†	20.263	143.693	2808.95	-308.69	-594.11	436.53	40.3686303	-104.8332235	0.00	
3030.00†	20.263	143.693	2902.77	-323.19	-622.02	457.04	40.3685532	-104.8331506	0.00	
3130.00†	20.263	143.693	2996.58	-337.69	-649.93	477.54	40.3684762	-104.8330778	0.00	
3230.00†	20.263	143.693	3090.39	-352.19	-677.84	498.05	40.3683992	-104.8330050	0.00	
3330.00†	20.263	143.693	3184.20	-366.69	-705.75	518.55	40.3683221	-104.8329321	0.00	
3430.00†	20.263	143.693	3278.01	-381.19	-733.66	539.06	40.3682451	-104.8328593	0.00	
3530.00†	20.263	143.693	3371.82	-395.69	-761.57	559.57	40.3681681	-104.8327864	0.00	
3630.00†	20.263	143.693	3465.64	-410.19	-789.47	580.07	40.3680911	-104.8327136	0.00	
3730.00†	20.263	143.693	3559.45	-424.69	-817.38	600.58	40.3680140	-104.8326408	0.00	
3830.00†	20.263	143.693	3653.26	-439.19	-845.29	621.08	40.3679370	-104.8325679	0.00	



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Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3930.00†	20.263	143.693	3747.07	-453.69	-873.20	641.59	40.3678600	-104.8324951	0.00	
4018.40†	20.263	143.693	3830.00	-466.51	-897.87	659.72	40.3677919	-104.8324307	0.00	Parkman Sandstone
4030.00†	20.263	143.693	3840.88	-468.19	-901.11	662.10	40.3677829	-104.8324223	0.00	
4130.00†	20.263	143.693	3934.69	-482.70	-929.02	682.60	40.3677059	-104.8323494	0.00	
4230.00†	20.263	143.693	4028.50	-497.20	-956.93	703.11	40.3676289	-104.8322766	0.00	
4330.00†	20.263	143.693	4122.32	-511.70	-984.84	723.61	40.3675519	-104.8322038	0.00	
4430.00†	20.263	143.693	4216.13	-526.20	-1012.74	744.12	40.3674748	-104.8321309	0.00	
4530.00†	20.263	143.693	4309.94	-540.70	-1040.65	764.63	40.3673978	-104.8320581	0.00	
4569.51†	20.263	143.693	4347.00	-546.43	-1051.68	772.73	40.3673674	-104.8320293	0.00	Sussex Sandstone
4630.00†	20.263	143.693	4403.75	-555.20	-1068.56	785.13	40.3673208	-104.8319853	0.00	
4730.00†	20.263	143.693	4497.56	-569.70	-1096.47	805.64	40.3672437	-104.8319124	0.00	
4830.00†	20.263	143.693	4591.37	-584.20	-1124.38	826.15	40.3671667	-104.8318396	0.00	
4930.00†	20.263	143.693	4685.19	-598.70	-1152.29	846.65	40.3670897	-104.8317668	0.00	
5030.00†	20.263	143.693	4779.00	-613.20	-1180.20	867.16	40.3670127	-104.8316940	0.00	
5130.00†	20.263	143.693	4872.81	-627.70	-1208.10	887.66	40.3669356	-104.8316211	0.00	
5178.17†	20.263	143.693	4918.00	-634.69	-1221.55	897.54	40.3668985	-104.8315860	0.00	Shannon Sandstone
5230.00†	20.263	143.693	4966.62	-642.20	-1236.01	908.17	40.3668586	-104.8315483	0.00	
5330.00†	20.263	143.693	5060.43	-656.70	-1263.92	928.68	40.3667816	-104.8314755	0.00	
5430.00†	20.263	143.693	5154.24	-671.20	-1291.83	949.18	40.3667045	-104.8314026	0.00	
5530.00†	20.263	143.693	5248.05	-685.70	-1319.74	969.69	40.3666275	-104.8313298	0.00	
5630.00†	20.263	143.693	5341.87	-700.21	-1347.65	990.19	40.3665505	-104.8312570	0.00	
5730.00†	20.263	143.693	5435.68	-714.71	-1375.56	1010.70	40.3664735	-104.8311841	0.00	
5830.00†	20.263	143.693	5529.49	-729.21	-1403.46	1031.21	40.3663964	-104.8311113	0.00	
5930.00†	20.263	143.693	5623.30	-743.71	-1431.37	1051.71	40.3663194	-104.8310385	0.00	
6030.00†	20.263	143.693	5717.11	-758.21	-1459.28	1072.22	40.3662424	-104.8309656	0.00	
6130.00†	20.263	143.693	5810.92	-772.71	-1487.19	1092.72	40.3661653	-104.8308928	0.00	
6230.00†	20.263	143.693	5904.74	-787.21	-1515.10	1113.23	40.3660883	-104.8308200	0.00	
6330.00†	20.263	143.693	5998.55	-801.71	-1543.01	1133.74	40.3660113	-104.8307472	0.00	
6430.00†	20.263	143.693	6092.36	-816.21	-1570.92	1154.24	40.3659342	-104.8306743	0.00	
6530.00†	20.263	143.693	6186.17	-830.71	-1598.83	1174.75	40.3658572	-104.8306015	0.00	
6630.00†	20.263	143.693	6279.98	-845.21	-1626.73	1195.25	40.3657802	-104.8305287	0.00	
6730.00†	20.263	143.693	6373.79	-859.71	-1654.64	1215.76	40.3657032	-104.8304558	0.00	
6830.00†	20.263	143.693	6467.61	-874.21	-1682.55	1236.27	40.3656261	-104.8303830	0.00	
6924.96	20.263	143.693	6556.69	-887.98	-1709.05	1255.74	40.3655530	-104.8303138	0.00	KOP
6930.00†	20.012	144.792	6561.42	-888.69	-1710.46	1256.75	40.3655491	-104.8303102	9.00	
7030.00†	16.814	171.747	6656.46	-894.74	-1738.81	1268.72	40.3654710	-104.8302681	9.00	
7130.00†	17.953	201.963	6752.08	-885.38	-1767.48	1265.02	40.3653924	-104.8302821	9.00	
7230.00†	22.789	224.039	6845.94	-860.84	-1795.75	1245.76	40.3653152	-104.8303520	9.00	
7330.00†	29.556	237.622	6935.72	-821.73	-1822.94	1211.39	40.3652413	-104.8304761	9.00	
7430.00†	37.214	246.272	7019.20	-769.00	-1848.37	1162.78	40.3651725	-104.8306512	9.00	
7530.00†	45.309	252.263	7094.34	-703.97	-1871.41	1101.12	40.3651105	-104.8308731	9.00	
7554.12†	47.301	253.454	7111.00	-686.62	-1876.55	1084.45	40.3650968	-104.8309330	9.00	Sharon Springs
7606.46†	51.663	255.796	7145.00	-646.93	-1887.07	1046.09	40.3650687	-104.8310710	9.00	Niobrara A
7630.00†	53.639	256.758	7159.28	-628.23	-1891.50	1027.91	40.3650569	-104.8311363	9.00	
7730.00†	62.105	260.373	7212.42	-543.64	-1908.15	944.98	40.3650129	-104.8314344	9.00	



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7830.00†	70.651	263.457	7252.47	-452.30	-1920.94	854.36	40.3649797	-104.8317599	9.00	
7879.03†	74.860	264.846	7267.00	-405.71	-1925.71	807.78	40.3649676	-104.8319272	9.00	Niobrara B
7930.00†	79.244	266.232	7278.42	-356.43	-1929.57	758.28	40.3649580	-104.8321049	9.00	
8030.00†	87.860	268.852	7289.64	-258.42	-1933.80	659.10	40.3649484	-104.8324609	9.00	
8066.53	91.010	269.795	7290.00†	-222.55	-1934.23	622.58	40.3649480	-104.8325920	9.00	LP
8130.00†	91.010	269.795	7288.88	-160.33	-1934.46	559.12	40.3649487	-104.8328197	0.00	
8230.00†	91.010	269.795	7287.12	-62.31	-1934.82	459.14	40.3649498	-104.8331785	0.00	
8330.00†	91.010	269.795	7285.36	35.72	-1935.18	359.16	40.3649509	-104.8335373	0.00	
8430.00†	91.010	269.795	7283.60	133.75	-1935.53	259.17	40.3649519	-104.8338961	0.00	
8530.00†	91.010	269.795	7281.83	231.78	-1935.89	159.19	40.3649530	-104.8342549	0.00	
8630.00†	91.010	269.795	7280.07	329.81	-1936.25	59.20	40.3649541	-104.8346137	0.00	
8730.00†	91.010	269.795	7278.31	427.84	-1936.61	-40.78	40.3649552	-104.8349725	0.00	
8830.00†	91.010	269.795	7276.55	525.87	-1936.96	-140.76	40.3649562	-104.8353313	0.00	
8930.00†	91.010	269.795	7274.78	623.90	-1937.32	-240.75	40.3649573	-104.8356901	0.00	
9030.00†	91.010	269.795	7273.02	721.93	-1937.68	-340.73	40.3649584	-104.8360489	0.00	
9130.00†	91.010	269.795	7271.26	819.96	-1938.04	-440.72	40.3649595	-104.8364076	0.00	
9230.00†	91.010	269.795	7269.50	917.99	-1938.39	-540.70	40.3649605	-104.8367664	0.00	
9330.00†	91.010	269.795	7267.74	1016.02	-1938.75	-640.68	40.3649616	-104.8371252	0.00	
9371.79†	91.010	269.795	7267.00	1056.99	-1938.90	-682.47	40.3649621	-104.8372752	0.00	Niobrara B
9430.00†	91.010	269.795	7265.97	1114.05	-1939.11	-740.67	40.3649627	-104.8374840	0.00	
9530.00†	91.010	269.795	7264.21	1212.08	-1939.46	-840.65	40.3649638	-104.8378428	0.00	
9630.00†	91.010	269.795	7262.45	1310.11	-1939.82	-940.63	40.3649648	-104.8382016	0.00	
9730.00†	91.010	269.795	7260.69	1408.14	-1940.18	-1040.62	40.3649659	-104.8385604	0.00	
9830.00†	91.010	269.795	7258.93	1506.16	-1940.54	-1140.60	40.3649670	-104.8389192	0.00	
9930.00†	91.010	269.795	7257.16	1604.19	-1940.89	-1240.59	40.3649680	-104.8392780	0.00	
10030.00†	91.010	269.795	7255.40	1702.22	-1941.25	-1340.57	40.3649691	-104.8396368	0.00	
10130.00†	91.010	269.795	7253.64	1800.25	-1941.61	-1440.55	40.3649701	-104.8399956	0.00	
10230.00†	91.010	269.795	7251.88	1898.28	-1941.97	-1540.54	40.3649712	-104.8403544	0.00	
10330.00†	91.010	269.795	7250.12	1996.31	-1942.32	-1640.52	40.3649723	-104.8407132	0.00	
10430.00†	91.010	269.795	7248.35	2094.34	-1942.68	-1740.51	40.3649733	-104.8410720	0.00	
10530.00†	91.010	269.795	7246.59	2192.37	-1943.04	-1840.49	40.3649744	-104.8414308	0.00	
10630.00†	91.010	269.795	7244.83	2290.40	-1943.40	-1940.47	40.3649754	-104.8417896	0.00	
10730.00†	91.010	269.795	7243.07	2388.43	-1943.75	-2040.46	40.3649765	-104.8421483	0.00	
10830.00†	91.010	269.795	7241.30	2486.46	-1944.11	-2140.44	40.3649775	-104.8425071	0.00	
10930.00†	91.010	269.795	7239.54	2584.49	-1944.47	-2240.42	40.3649786	-104.8428659	0.00	
11030.00†	91.010	269.795	7237.78	2682.52	-1944.83	-2340.41	40.3649797	-104.8432247	0.00	
11130.00†	91.010	269.795	7236.02	2780.55	-1945.18	-2440.39	40.3649807	-104.8435835	0.00	
11230.00†	91.010	269.795	7234.26	2878.58	-1945.54	-2540.38	40.3649818	-104.8439423	0.00	
11330.00†	91.010	269.795	7232.49	2976.60	-1945.90	-2640.36	40.3649828	-104.8443011	0.00	
11430.00†	91.010	269.795	7230.73	3074.63	-1946.26	-2740.34	40.3649839	-104.8446599	0.00	
11530.00†	91.010	269.795	7228.97	3172.66	-1946.61	-2840.33	40.3649849	-104.8450187	0.00	
11630.00†	91.010	269.795	7227.21	3270.69	-1946.97	-2940.31	40.3649859	-104.8453775	0.00	
11730.00†	91.010	269.795	7225.45	3368.72	-1947.33	-3040.30	40.3649870	-104.8457363	0.00	
11830.00†	91.010	269.795	7223.68	3466.75	-1947.68	-3140.28	40.3649880	-104.8460951	0.00	
11930.00†	91.010	269.795	7221.92	3564.78	-1948.04	-3240.26	40.3649891	-104.8464539	0.00	



Planned Wellpath Report

BOOTH STATE 11N (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12030.00†	91.010	269.795	7220.16	3662.81	-1948.40	-3340.25	40.3649901	-104.8468127	0.00	
12130.00†	91.010	269.795	7218.40	3760.84	-1948.76	-3440.23	40.3649912	-104.8471715	0.00	
12230.00†	91.010	269.795	7216.64	3858.87	-1949.11	-3540.21	40.3649922	-104.8475303	0.00	
12330.00†	91.010	269.795	7214.87	3956.90	-1949.47	-3640.20	40.3649932	-104.8478890	0.00	
12430.00†	91.010	269.795	7213.11	4054.93	-1949.83	-3740.18	40.3649943	-104.8482478	0.00	
12530.00†	91.010	269.795	7211.35	4152.96	-1950.19	-3840.17	40.3649953	-104.8486066	0.00	
12630.00†	91.010	269.795	7209.59	4250.99	-1950.54	-3940.15	40.3649963	-104.8489654	0.00	
12730.00†	91.010	269.795	7207.82	4349.02	-1950.90	-4040.13	40.3649974	-104.8493242	0.00	
12830.00†	91.010	269.795	7206.06	4447.05	-1951.26	-4140.12	40.3649984	-104.8496830	0.00	
12930.00†	91.010	269.795	7204.30	4545.07	-1951.62	-4240.10	40.3649994	-104.8500418	0.00	
13030.00†	91.010	269.795	7202.54	4643.10	-1951.97	-4340.09	40.3650005	-104.8504006	0.00	
13130.00†	91.010	269.795	7200.78	4741.13	-1952.33	-4440.07	40.3650015	-104.8507594	0.00	
13230.00†	91.010	269.795	7199.01	4839.16	-1952.69	-4540.05	40.3650025	-104.8511182	0.00	
13330.00†	91.010	269.795	7197.25	4937.19	-1953.05	-4640.04	40.3650035	-104.8514770	0.00	
13430.00†	91.010	269.795	7195.49	5035.22	-1953.40	-4740.02	40.3650046	-104.8518358	0.00	
13530.00†	91.010	269.795	7193.73	5133.25	-1953.76	-4840.00	40.3650056	-104.8521946	0.00	
13630.00†	91.010	269.795	7191.97	5231.28	-1954.12	-4939.99	40.3650066	-104.8525534	0.00	
13730.00†	91.010	269.795	7190.20	5329.31	-1954.48	-5039.97	40.3650076	-104.8529122	0.00	
13830.00†	91.010	269.795	7188.44	5427.34	-1954.83	-5139.96	40.3650087	-104.8532710	0.00	
13930.00†	91.010	269.795	7186.68	5525.37	-1955.19	-5239.94	40.3650097	-104.8536298	0.00	
14030.00†	91.010	269.795	7184.92	5623.40	-1955.55	-5339.92	40.3650107	-104.8539886	0.00	
14130.00†	91.010	269.795	7183.16	5721.43	-1955.90	-5439.91	40.3650117	-104.8543473	0.00	
14230.00†	91.010	269.795	7181.39	5819.46	-1956.26	-5539.89	40.3650127	-104.8547061	0.00	
14330.00†	91.010	269.795	7179.63	5917.49	-1956.62	-5639.88	40.3650138	-104.8550649	0.00	
14430.00†	91.010	269.795	7177.87	6015.52	-1956.98	-5739.86	40.3650148	-104.8554237	0.00	
14530.00†	91.010	269.795	7176.11	6113.54	-1957.33	-5839.84	40.3650158	-104.8557825	0.00	
14630.00†	91.010	269.795	7174.34	6211.57	-1957.69	-5939.83	40.3650168	-104.8561413	0.00	
14730.00†	91.010	269.795	7172.58	6309.60	-1958.05	-6039.81	40.3650178	-104.8565001	0.00	
14830.00†	91.010	269.795	7170.82	6407.63	-1958.41	-6139.79	40.3650188	-104.8568589	0.00	
14930.00†	91.010	269.795	7169.06	6505.66	-1958.76	-6239.78	40.3650198	-104.8572177	0.00	
15030.00†	91.010	269.795	7167.30	6603.69	-1959.12	-6339.76	40.3650208	-104.8575765	0.00	
15130.00†	91.010	269.795	7165.53	6701.72	-1959.48	-6439.75	40.3650218	-104.8579353	0.00	
15230.00†	91.010	269.795	7163.77	6799.75	-1959.84	-6539.73	40.3650228	-104.8582941	0.00	
15330.00†	91.010	269.795	7162.01	6897.78	-1960.19	-6639.71	40.3650239	-104.8586529	0.00	
15430.00†	91.010	269.795	7160.25	6995.81	-1960.55	-6739.70	40.3650249	-104.8590117	0.00	
15530.00†	91.010	269.795	7158.49	7093.84	-1960.91	-6839.68	40.3650259	-104.8593705	0.00	
15630.00†	91.010	269.795	7156.72	7191.87	-1961.27	-6939.66	40.3650269	-104.8597293	0.00	
15730.00†	91.010	269.795	7154.96	7289.90	-1961.62	-7039.65	40.3650279	-104.8600881	0.00	
15830.00†	91.010	269.795	7153.20	7387.93	-1961.98	-7139.63	40.3650289	-104.8604468	0.00	
15930.00†	91.010	269.795	7151.44	7485.96	-1962.34	-7239.62	40.3650299	-104.8608056	0.00	
16030.00†	91.010	269.795	7149.68	7583.98	-1962.70	-7339.60	40.3650309	-104.8611644	0.00	
16130.00†	91.010	269.795	7147.91	7682.01	-1963.05	-7439.58	40.3650318	-104.8615232	0.00	
16230.00†	91.010	269.795	7146.15	7780.04	-1963.41	-7539.57	40.3650328	-104.8618820	0.00	
16295.32†	91.010	269.795	7145.00	7844.08	-1963.64	-7604.88	40.3650335	-104.8621164	0.00	Niobrara A
16330.00†	91.010	269.795	7144.39	7878.07	-1963.77	-7639.55	40.3650338	-104.8622408	0.00	



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BOOTH STATE 11N (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

WELLPATH DATA (203 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16430.00†	91.010	269.795	7142.63	7976.10	-1964.12	-7739.54	40.3650348	-104.8625996	0.00	
16530.00†	91.010	269.795	7140.86	8074.13	-1964.48	-7839.52	40.3650358	-104.8629584	0.00	
16630.00†	91.010	269.795	7139.10	8172.16	-1964.84	-7939.50	40.3650368	-104.8633172	0.00	
16730.00†	91.010	269.795	7137.34	8270.19	-1965.20	-8039.49	40.3650378	-104.8636760	0.00	
16830.00†	91.010	269.795	7135.58	8368.22	-1965.55	-8139.47	40.3650388	-104.8640348	0.00	
16930.00†	91.010	269.795	7133.82	8466.25	-1965.91	-8239.45	40.3650398	-104.8643936	0.00	
17030.00†	91.010	269.795	7132.05	8564.28	-1966.27	-8339.44	40.3650408	-104.8647524	0.00	
17130.00†	91.010	269.795	7130.29	8662.31	-1966.63	-8439.42	40.3650417	-104.8651112	0.00	
17230.00†	91.010	269.795	7128.53	8760.34	-1966.98	-8539.41	40.3650427	-104.8654700	0.00	
17330.00†	91.010	269.795	7126.77	8858.37	-1967.34	-8639.39	40.3650437	-104.8658288	0.00	
17430.00†	91.010	269.795	7125.01	8956.40	-1967.70	-8739.37	40.3650447	-104.8661876	0.00	
17530.00†	91.010	269.795	7123.24	9054.43	-1968.06	-8839.36	40.3650457	-104.8665464	0.00	
17630.00†	91.010	269.795	7121.48	9152.45	-1968.41	-8939.34	40.3650466	-104.8669052	0.00	
17730.00†	91.010	269.795	7119.72	9250.48	-1968.77	-9039.33	40.3650476	-104.8672639	0.00	
17830.00†	91.010	269.795	7117.96	9348.51	-1969.13	-9139.31	40.3650486	-104.8676227	0.00	
17930.00†	91.010	269.795	7116.20	9446.54	-1969.49	-9239.29	40.3650496	-104.8679815	0.00	
18030.00†	91.010	269.795	7114.43	9544.57	-1969.84	-9339.28	40.3650506	-104.8683403	0.00	
18130.00†	91.010	269.795	7112.67	9642.60	-1970.20	-9439.26	40.3650515	-104.8686991	0.00	
18224.83†	91.010	269.795	7111.00	9735.57	-1970.54	-9534.08	40.3650524	-104.8690394	0.00	Sharon Springs
18230.00†	91.010	269.795	7110.91	9740.63	-1970.56	-9539.24	40.3650525	-104.8690579	0.00	
18281.58	91.010	269.795	7110.00‡	9791.20	-1970.74	-9590.82	40.3650530	-104.8692430	0.00	BPZ
18330.00†	91.010	269.795	7109.15	9838.66	-1970.92	-9639.23	40.3650535	-104.8694167	0.00	
18331.58	91.010	269.795	7109.12	9840.21	-1970.92	-9640.81	40.3650535	-104.8694224	0.00	BHL (593'FSL & 100'FWL,SEC.26)



Planned Wellpath Report

BOOTH STATE 11N (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Sec.25-5N-67W	N/A	0.00	14.94	0.17	3185352.01	1378440.06	40.3703110	-104.8347730	polygon
	2D Polygon: dimensions not calculated								
Sec.26-5N-67W	N/A	0.00	14.94	0.17	3185352.01	1378440.06	40.3703110	-104.8347730	polygon
	2D Polygon: dimensions not calculated								
BOOTH STATE 11N BHL Rev-1 (593'FSL & 100'FWL,SEC.26)	N/A	7110.00	-1971.10	-9640.70	3175711.55	1376454.11	40.3650530	-104.8694220	point
2) BOOTH STATE 11N BPZ (594 FSL & 150 FWL, Sec.26)	18281.58	7110.00	-1970.74	-9590.82	3175761.43	1376454.47	40.3650530	-104.8692430	point
1) BOOTH STATE 11N LP Rev-1 (592'FSL & 150'FEL,SEC.25)	8066.53	7290.00	-1934.23	622.58	3185974.39	1376490.97	40.3649480	-104.8325920	point

SURVEY PROGRAM - Ref Wellbore: BOOTH STATE 11N PWB Ref Wellpath: BOOTH STATE 11N (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	2000.00	OWSG MWD rev2 - Standard		BOOTH STATE 11N PWB
2000.00	18331.58	OWSG MWD rev2 (MS+IFR1)		BOOTH STATE 11N PWB



Planned Wellpath Report

BOOTH STATE 11N (REV-A.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
904.48	12.090	143.693	900.00	PIERRE
1027.80	14.556	143.693	1020.00	U PAWNEE
1540.03	20.263	143.693	1505.00	U PAWNEE BASE
4018.40	20.263	143.693	3830.00	Parkman Sandstone
4569.51	20.263	143.693	4347.00	Sussex Sandstone
5178.17	20.263	143.693	4918.00	Shannon Sandstone
7554.12	47.301	253.454	7111.00	Sharon Springs
7606.46	51.663	255.796	7145.00	Niobrara A
7879.03	74.860	264.846	7267.00	Niobrara B
9371.79	91.010	269.795	7267.00	Niobrara B
16295.32	91.010	269.795	7145.00	Niobrara A
18224.83	91.010	269.795	7111.00	Sharon Springs

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
30.00	0.000	143.693	30.00	Tie On
300.00	0.000	143.693	300.00	End of Tangent
1313.13	20.263	143.693	1292.14	End of Build (XS)
6924.96	20.263	143.693	6556.69	KOP
8066.53	91.010	269.795	7290.00	LP
18281.58	91.010	269.795	7110.00	BPZ
18331.58	91.010	269.795	7109.12	BHL (593'FSL & 100'FWL,SEC.26)



Closest Approach Clearance Summary Report

BOOTH STATE 11N (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Guenaler
Scale	0.999959	Report Generated	5/25/2024 at 10:54:49 PM
Convergence at slot	0.43° East	Database	WA_Denver

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-150.10	0.01	3185351.84	1378425.12	40.3702700°	-104.8347740°
Facility Reference Pt			3185351.83	1378575.22	40.3706820°	-104.8347700°
Field Reference Pt			3296400.32	1413291.61	40.4630000°	-104.4347500°

WELLPATH DATUM			
Calculation method	Minimum Curvature	(4980'GL+30'KB@5010'RKB) (RKB) to Facility Vertical Datum	5010.00ft
Horizontal Reference Pt	Slot	(4980'GL+30'KB@5010'RKB) (RKB) to Mean Sea Level	5010.00ft
Vertical Reference Pt	(4980'GL+30'KB@5010'RKB) (RKB)	(4980'GL+30'KB@5010'RKB) (RKB) to Ground Level at Slot (SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25))	5010.00ft
MD Reference Pt	(4980'GL+30'KB@5010'RKB) (RKB)		
Field Vertical Reference	Mean Sea Level		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS					
Ellipse Confidence Limit	3.50 Std Dev	Ellipse Start MD	30.00ft	Surface Position Uncertainty	included
Declination	7.75° East of TN	Dip Angle	66.50°	Mag Field Strength	51619 nT
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical	3.000ft
Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes					



Closest Approach Clearance Summary Report

BOOTH STATE 11N (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

PROXIMITY-SCAN RULE			
Rule Name	SPE WPTS Stop Drilling HSE Risk (2017)	Rule Based On	Ratio
Plane of Rule	Closest Approach	Threshold Value	1.00
Include Casing & Hole Size	yes	Apply Cone of Safety	no

SURVEY PROGRAM - Ref Wellbore: BOOTH STATE 11N PWB Ref Wellpath: BOOTH STATE 11N (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
30.00	2000.00	OWSG MWD rev2 - Standard		BOOTH STATE 11N PWB
2000.00	18331.58	OWSG MWD rev2 (MS+IFR1)		BOOTH STATE 11N PWB



Closest Approach Clearance Summary Report

BOOTH STATE 11N (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

CALCULATION RANGE & CUTOFF		
From: 30.00ft MD	To: 18331.58ft MD	C-C Cutoff: (none)

OFFSET WELL CLEARANCE SUMMARY (54 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane												
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	Wellbore Status	C-C Clearance Distance			Rule Separation Ratio			
						Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	Rule Status
SEC.25-T05N-R67W	SLOT#30 BOOTH N #25-16 (05-123-21927) PA	BOOTH N #25-16 (05-123-21927) PA	BOOTH N #25-16 AWB	BOOTH N #25-16 AWP (PA)	Abandoned	8692.41	43.80	8692.41	8692.41	0.00	8692.41	FAIL
SEC.26-T05N-R67W	SLOT#16 BOOTH #34-26 (05-123-18230) PA	BOOTH #34-26	BOOTH #34-26 AWB	BOOTH #34-26 AWB	Abandoned	15168.02	174.22	15168.02	15168.02	0.02	15168.02	FAIL
SEC.25-T05N-R67W	SLOT#34 BOOTH N #25-15 (05-123-21926) PA	BOOTH N #25-15 (05-123-21926) PA	BOOTH N #25-15 AWB	BOOTH N #25-15 AWP (PA)	Abandoned	9882.66	225.32	9882.66	9882.54	0.03	9882.54	FAIL
SEC.25-T05N-R67W	SLOT#20 BOOTH N #25-9 (05-123-21924) PA	BOOTH N #25-9 (05-123-21924) PA	BOOTH N #25-9 AWB	BOOTH N #25-9 AWP (PA)	Abandoned	2202.76	151.95	8530.00	2287.47	0.06	8530.00	FAIL
SEC.26-T05N-R67W	SLOT#17 BLEHM #1 (05-123-10692) TA	BLEHM #1	BLEHM #1 AWB	BLEHM #1 AWP	Abandoned	17225.97	663.53	17225.97	17224.90	0.08	17224.90	FAIL
SEC.25-T05N-R67W	SLOT#15 BOOTH N #25-13 (05-123-22708) TA	BOOTH N #25-13 (05-123-22708) TA	BOOTH N #25-13 AWB	BOOTH N #25-13 AWP (TA)	Abandoned	11924.03	767.24	11924.03	11922.59	0.09	11922.59	FAIL
SEC.25-T05N-R67W	SLOT#13 BOOTH N #25-25 (05-123-22706) PA	BOOTH N #25-25 (05-123-22706) PA	BOOTH N #25-25 AWB	BOOTH N #25-25 AWP (PA)	Abandoned	11953.58	768.58	11953.58	11952.14	0.09	11952.14	FAIL
SEC.25-T05N-R67W	SLOT#19 BOOTH N #25-23 (05-123-23167) PA	BOOTH N #25-23 (05-123-23167) PA	BOOTH N #25-23 AWB	BOOTH N #25-23 AWP (PA)	Abandoned	9092.47	854.29	9092.47	9090.70	0.10	9090.70	FAIL
SEC.26-T05N-R67W	SLOT#09 BOOTH #33-26 (05-123-18228) PA	BOOTH #33-26	BOOTH #33-26 AWB	BOOTH #33-26 AWP	Abandoned	14980.30	1151.47	14980.30	14977.08	0.13	14977.08	FAIL
SEC.25-T05N-R67W	SLOT#27 BOOTH N #25-12 (05-123-22681) PA	BOOTH N #25-12 (05-123-22681) PA	BOOTH N #25-12 AWB	BOOTH N #25-12 AWP (PA)	Abandoned	12691.33	1219.00	12691.33	12687.71	0.14	12687.71	FAIL
SEC.25-T05N-R67W	SLOT#26 BOOTH N #25-10 (05-123-21925) PA	BOOTH N #25-10 (05-123-21925) PA	BOOTH N #25-10 AWB	BOOTH N #25-10 AWP (PA)	Abandoned	9928.26	1276.92	9928.26	9924.30	0.14	9924.30	FAIL
SEC.26-T05N-R67W	SLOT#10 BOOTH #13-26 (05-123-17941) TA	BOOTH #13-26	BOOTH #13-26 AWB	BOOTH #13-26 AWP	Abandoned	17585.91	1481.94	17585.91	17580.56	0.17	17580.56	FAIL
SEC.25-T05N-R67W	SLOT#21 BOOTH N #25-11 (05-123-22680) PA	BOOTH N #25-11 (05-123-22680) PA	BOOTH N #25-11 AWB	BOOTH N #25-11 AWP (PA)	Abandoned	11256.43	1540.30	11256.43	11250.66	0.17	11250.66	FAIL
SEC.25-T05N-R67W	SLOT#28 BOOTH #25-14 (05-123-17369) PA	BOOTH #25-14 (05-123-17369) PA	BOOTH #25-14 AWB	BOOTH #25-14 AWP (PA)	Abandoned	30.00	607.18	8830.00	8808.80	0.28	8808.80	FAIL
SEC.26-T05N-R67W	SLOT#12 BLEHM #2 (05-123-11006) PA	BLEHM #2	BLEHM #2 AWB	BLEHM #2 AWP	Drilling	16482.66	2666.28	16482.66	16465.55	0.30	16465.55	FAIL
SEC.26-T05N-R67W	SLOT#11 BLEHM N #26-8 (05-123-23344) SI	BLEHM N #26-8	BLEHM N #26-8 AWB	BLEHM N #26-8 AWP	Producing / injecting	13979.46	2794.21	13979.46	13960.60	0.32	13960.60	FAIL
SEC.25-T05N-R67W	SLOT#29 BOOTH #N 25-6 (05-123-18083) SI	BOOTH #N 25-6 (05-123-18083) SI	BOOTH #N 25-6 AWB	BOOTH #N 25-6 AWP (SI)	Producing / injecting	30.00	2783.72	11330.00	11305.71	0.32	11305.71	FAIL
SEC.25-T05N-R67W	SLOT#33 BOOTH #N 25-5 (05-123-18082) SI	BOOTH #N 25-5 (05-123-18082) SI	BOOTH #N 25-5 AWB	BOOTH #N 25-5 AWP (SI)	Producing / injecting	12704.50	2867.83	12704.50	12684.63	0.32	12684.63	FAIL
SEC.26-T05N-R67W	SLOT#14 VETTER #26-13 (05-123-19998) PA	VETTER #26-13	VETTER #26-13 AWB	VETTER #26-13 AWP	Abandoned	15319.99	2890.55	15319.99	15299.86	0.33	15299.86	FAIL
SEC.26-T05N-R67W	SLOT#15 BLEHM N #26-5 (05-123-19492) PA	BLEHM N #26-5	BLEHM N #26-5 AWB	BLEHM N #26-5 AWP	Abandoned	17612.66	2885.18	17612.66	17592.60	0.33	17592.60	FAIL
SEC.26-T05N-R67W	SLOT#03 Booth N #25-32D (05-123-31660) PR	Booth N #25-32D	Booth N #25-32D AWB	Booth N #25-32D AWP (PR)	Producing / injecting	13087.80	2224.89	13087.80	12951.24	0.34	12951.24	FAIL
SEC.25-T05N-R67W	SLOT#32 BOOTH #25-15 (05-123-28106) PR	BOOTH #25-15 (05-123-28106) PR	BOOTH #25-15 AWB	BOOTH #25-15 AWP (PR)	Producing / injecting	30.00	1595.83	9373.01	9373.01	0.38	9373.01	FAIL
SEC.26-T05N-R67W	SLOT#06 BLEHM #26-17 (05-123-23036) TA	BLEHM #26-17	BLEHM #26-17 AWB	BLEHM #26-17 AWP	Abandoned	14558.89	3487.90	14558.89	14529.62	0.39	14529.62	FAIL
SEC.25-T05N-R67W	SLOT#24 BOOTH N #25-19 (05-123-25620) SI	BOOTH N #25-19 (05-123-25620) SI	BOOTH N #25-19 AWB	BOOTH N #25-19 AWP (SI)	Producing / injecting	12068.56	3530.37	12068.56	12038.56	0.40	12038.56	FAIL
SEC.26-T05N-R67W	SLOT#02 BLEHM N #26-19 (05-123-23361) SI	BLEHM N #26-19	BLEHM N #26-19 AWB	BLEHM N #26-19 AWP	Producing / injecting	17092.24	3549.73	17092.24	17061.93	0.40	17061.93	FAIL



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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

CALCULATION RANGE & CUTOFF		
From: 30.00ft MD	To: 18331.58ft MD	C-C Cutoff: (none)

OFFSET WELL CLEARANCE SUMMARY (54 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane												
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	Wellbore Status	C-C Clearance Distance			Rule Separation Ratio			
						Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	Rule Status
SEC.25-T05N-R67W	SLOT#22 BOOTH #25-12 (05-123-17336) PA	BOOTH #25-12 (05-123-17336) PA	BOOTH #25-12 AWB	BOOTH #25-12 AWP (PA)	Abandoned	30.00	2352.23	10030.00	10011.32	0.43	10011.32	FAIL
SEC.26-T05N-R67W	SLOT#07 VETTER #26-12 (05-123-19413) PA	VETTER #26-12	VETTER #26-12 AWB	VETTER #26-12 AWP	Drilling	14987.00	4036.07	14987.00	14947.78	0.46	14947.78	FAIL
SEC.26-T05N-R67W	SLOT#08 BLEHM #3 (05-123-11103) TA	BLEHM #3	BLEHM #3 AWB	BLEHM #3 AWP	Drilling	17787.00	4027.41	17787.00	17747.93	0.46	17747.93	FAIL
SEC.25-T05N-R67W	SLOT#17 BOOTH #N 25-3 (05-123-15479) SI	BOOTH #N 25-3 (05-123-15479) SI	BOOTH #N 25-3 AWB	BOOTH #N 25-3 AWP (SI)	Producing / injecting	30.00	3483.26	11330.00	11288.56	0.47	11288.56	FAIL
SEC.25-T05N-R67W	SLOT#23 BOOTH N #25-4 (05-123-15478) SI	BOOTH N #25-4 (05-123-15478) SI	BOOTH N #25-4 AWB	BOOTH N #25-4 AWP (SI)	Producing / injecting	12736.03	4209.48	12736.03	12693.41	0.47	12693.41	FAIL
SEC.26-T05N-R67W	SLOT#01 BLEHM N #26-03 (05-123-19438) SI	BLEHM N #26-03	BLEHM N #26-03 AWB	BLEHM N #26-03 AWP (SI)	Producing / injecting	16657.69	4217.98	16657.69	16614.81	0.48	16614.81	FAIL
SEC.26-T05N-R67W	SLOT#13 BOOTH #24-26 (05-123-17942) PA	BOOTH #24-26	BOOTH #24-26 AWB	BOOTH #24-26 AWP	Abandoned	16758.19	110.98	16758.19	16760.81	0.51	16760.81	FAIL
SEC.25-T05N-R67W	SLOT#14 BOOTH N #25-14 (05-123-22709) PA	BOOTH N #25-14 (05-123-22709) PA	BOOTH N #25-14 AWB	BOOTH N #25-14 AWP (PA)	Abandoned	11153.97	62.69	11153.97	11153.65	0.59	11153.65	FAIL
SEC.25-T05N-R67W	SLOT#10 BOOTH STATE 10N (2550'FSL & 753'FEL,SEC.25)	BOOTH STATE 10N	BOOTH STATE 10N PWB	BOOTH STATE 10N (REV-A.0) PWP	Planned	30.00	14.94	18331.58	18331.58	1.35	18331.58	PASS
SEC.25-T05N-R67W	SLOT#12 BOOTH STATE 12N (2520'FSL & 753'FEL,SEC.25)	BOOTH STATE 12N	BOOTH STATE 12N PWB	BOOTH STATE 12N (REV-A.0) PWP	Planned	318.56	14.93	18330.00	18331.58	1.35	18331.58	PASS
SEC.25-T05N-R67W	SLOT#09 BOOTH STATE 09N (2565'FSL & 753'FEL,SEC.25)	BOOTH STATE 09N	BOOTH STATE 09N PWB	BOOTH STATE 09N (REV-A.0) PWP	Planned	30.00	29.87	300.00	18331.58	2.70	18331.58	PASS
SEC.25-T05N-R67W	SLOT#31 BOOTH #25-32 (05-123-19894) PA	BOOTH #25-32 (05-123-19894) PA	BOOTH #25-32 AWB	BOOTH #25-32 AWP (PA)	Abandoned	322.15	1409.98	9730.00	9695.33	3.35	9695.33	PASS
SEC.25-T05N-R67W	SLOT#08 BOOTH STATE 08C (2580'FSL & 753'FEL,SEC.25)	BOOTH STATE 08C	BOOTH STATE 08C PWB	BOOTH STATE 08C (REV-A.0) PWP	Planned	30.00	45.18	18331.58	18331.58	4.07	18331.58	PASS
SEC.26-T05N-R67W	SLOT#04 BOOTH N #25-33D (05-123-31666) PR	BOOTH N #25-33D	BOOTH N #25-33D AWB	BOOTH N #25-33D AWP	Drilling	13087.95	615.37	13087.95	13105.43	4.45	13105.43	PASS
SEC.25-T05N-R67W	SLOT#07 BOOTH STATE 07NA (2595'FSL & 752'FEL,SEC.25)	BOOTH STATE 07NA	BOOTH STATE 07NA PWB	BOOTH STATE 07NA (REV-A.0) PWP	Planned	30.00	60.11	300.00	18331.58	5.47	18331.58	PASS
SEC.25-T05N-R67W	SLOT#06 BOOTH STATE 06N (2610'FSL & 752'FEL,SEC.25)	BOOTH STATE 06N	BOOTH STATE 06N PWB	BOOTH STATE 06N (REV-A.0) PWP	Planned	30.00	75.05	230.00	18331.58	6.78	18331.58	PASS
SEC.25-T05N-R67W	SLOT#05 BOOTH STATE 05N (2625'FSL & 752'FEL,SEC.25)	BOOTH STATE 05N	BOOTH STATE 05N PWB	BOOTH STATE 05N (REV-A.0) PWP	Planned	30.00	89.99	300.00	18331.58	8.13	18331.58	PASS
SEC.25-T05N-R67W	SLOT#37 Booth N #25-24D (05-123-31647) PA	Booth N #25-24D (05-123-31647) PA	Booth N #25-24D AWB	Booth N #25-24D AWP (PA)	Abandoned	10652.99	763.63	10652.99	10717.70	8.47	10717.70	PASS
SEC.25-T05N-R67W	SLOT#04 BOOTH STATE 04C (2640'FSL & 752'FEL,SEC.25)	BOOTH STATE 04C	BOOTH STATE 04C PWB	BOOTH STATE 04C (REV-A.0) PWP	Planned	30.00	104.92	300.00	18331.58	9.49	18331.58	PASS
SEC.25-T05N-R67W	SLOT#03 BOOTH STATE 03NA (2655'FSL & 752'FEL,SEC.25)	BOOTH STATE 03NA	BOOTH STATE 03NA PWB	BOOTH STATE 03NA (REV-A.0) PWP	Planned	30.00	120.23	300.00	18331.58	10.86	18331.58	PASS
SEC.25-T05N-R67W	SLOT#02 BOOTH STATE 02N (2670'FSL & 752'FEL,SEC.25)	BOOTH STATE 02N	BOOTH STATE 02N PWB	BOOTH STATE 02N (REV-A.0) PWP	Planned	30.00	135.16	300.00	18331.58	12.17	18331.58	PASS
SEC.25-T05N-R67W	SLOT#01 BOOTH STATE 01N (2588'FNL & 752'FEL,SEC.25)	BOOTH STATE 01N	BOOTH STATE 01N PWB	BOOTH STATE 01N (REV-A.0) PWP	Planned	30.00	150.10	230.00	18331.58	13.53	18331.58	PASS
SEC.25-T05N-R67W	SLOT#35 Booth N #25-20D (05-123-31645) TA	Booth N #25-20D (05-123-31645) TA	Booth N #25-20D AWB	Booth N #25-20D AWP (TA)	Abandoned	11750.89	1988.58	11750.89	12365.16	17.22	12365.16	PASS
SEC.25-T05N-R67W	SLOT#25 Booth N #25-31D (05-123-31514) SI	Booth N #25-31D (05-123-31514) SI	Booth N #25-31D AWB	Booth N #25-31D AWP (SI)	Producing / injecting	13327.70	3340.96	13327.70	14057.34	23.30	14057.34	PASS
SEC.25-T05N-R67W	SLOT#38 Booth N #25-21D (05-123-31648) PA	Booth N #25-21D (05-123-31648) PA	Booth N #25-21D AWB	Booth N #25-21D AWP (PA)	Abandoned	10450.25	2185.47	10450.25	11090.69	23.48	11090.69	PASS



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BOOTH STATE 11N (REV-A.0) PWP - SPE WPTS Stop Drilling HSE Risk (2017)
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REFERENCE WELLPATH IDENTIFICATION			
Operator	PDC ENERGY INC	Well	BOOTH STATE 11N
Field	WELD COUNTY (NAD83/GRID)	API/Legal	
Facility	SEC.25-T05N-R67W	Wellbore	BOOTH STATE 11N PWB
Slot	SLOT#11 BOOTH STATE 11N (2535'FSL & 753'FEL,SEC.25)		

CALCULATION RANGE & CUTOFF		
From: 30.00ft MD	To: 18331.58ft MD	C-C Cutoff: (none)

OFFSET WELL CLEARANCE SUMMARY (54 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane												
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	Wellbore Status	C-C Clearance Distance			Rule Separation Ratio			
						Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	Rule Status
SEC.25-T05N-R67W	SLOT#36 Booth N #25-22D (05-123-31646) PA	Booth N #25-22D (05-123-31646) PA	Booth N #25-22D AWB	Booth N #25-22D AWP (PA)	Abandoned	3744.63	1617.87	9404.05	9404.05	23.81	9404.05	PASS
SEC.26-T05N-R67W	SLOT#05 BLEHM N #26-1 (05-123-22113) PA Gyro Need Survey	BLEHM N #26-1	BLEHM N #26-1 AWB	BLEHM N #26-1 AWP	Abandoned	13775.04	4125.49	13775.04	14775.77	25.63	14775.77	PASS
SEC.25-T05N-R67W	SLOT#18 Booth N #25-18D (05-123-31511) PA	Booth N #25-18D (05-123-31511) PA	Booth N #25-18D AWB	Booth N #25-18D AWP (PA)	Abandoned	10717.82	3322.20	10717.82	11859.98	32.42	11859.98	PASS
SEC.25-T05N-R67W	SLOT#16 BOOTH #25-11 (05-123-16856) PA	BOOTH #25-11 (05-123-16856) PA	BOOTH #25-11 AWB	BOOTH #25-11 AWP (PA)	Abandoned	30.00	2000.24	8730.00	10656.87	52.60	10656.87	PASS