



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 1 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Tranlam
Scale	0.999970	Report Generated	5/10/2017 at 3:28:51 PM
Convergence at slot	0.39° East	Database/Source file	WA_Midland/SD_EA_29_FED_COM_P8_9H_Rev_B.0.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	-75.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W
Facility Reference Pt			730235.00	372253.00	32°01'16.543"N	103°35'25.673"W
Field Reference Pt			152400.30	0.00	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig: Nabors X30 (KB) to Facility Vertical Datum	3284.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3284.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 29 FED COM P8 9H)	32.60ft
MD Reference Pt	Rig: Nabors X30 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.57°



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 2 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	220.000	0.00	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
32.60	0.000	220.000	32.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	Tie On
132.60†	0.000	220.000	132.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
232.60†	0.000	220.000	232.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
332.60†	0.000	220.000	332.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
432.60†	0.000	220.000	432.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
532.60†	0.000	220.000	532.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
632.60†	0.000	220.000	632.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
732.60†	0.000	220.000	732.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
832.60†	0.000	220.000	832.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
932.60†	0.000	220.000	932.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1032.60†	0.000	220.000	1032.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1132.60†	0.000	220.000	1132.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1232.60†	0.000	220.000	1232.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1332.60†	0.000	220.000	1332.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1432.60†	0.000	220.000	1432.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1532.60†	0.000	220.000	1532.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1632.60†	0.000	220.000	1632.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1732.60†	0.000	220.000	1732.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1832.60†	0.000	220.000	1832.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1932.60†	0.000	220.000	1932.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
2000.00	0.000	220.000	2000.00	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	End of Tangent
2032.60†	0.326	220.000	2032.60	0.07	-0.07	-0.06	730159.94	372252.93	32°01'16.548"N	103°35'26.545"W	1.00	1.00	-429.45	
2132.60†	1.326	220.000	2132.59	1.17	-1.18	-0.99	730159.01	372251.83	32°01'16.537"N	103°35'26.556"W	1.00	1.00	0.00	
2232.60†	2.326	220.000	2232.54	3.59	-3.62	-3.03	730156.97	372249.38	32°01'16.513"N	103°35'26.580"W	1.00	1.00	0.00	
2332.60†	3.326	220.000	2332.41	7.35	-7.39	-6.20	730153.80	372245.61	32°01'16.476"N	103°35'26.617"W	1.00	1.00	0.00	
2432.60†	4.326	220.000	2432.19	12.43	-12.50	-10.49	730149.51	372240.50	32°01'16.425"N	103°35'26.667"W	1.00	1.00	0.00	
2500.00	5.000	220.000	2499.37	16.60	-16.70	-14.01	730145.99	372236.30	32°01'16.384"N	103°35'26.708"W	1.00	1.00	0.00	End of Build
2532.60†	5.000	220.000	2531.84	18.76	-18.88	-15.84	730144.16	372234.12	32°01'16.363"N	103°35'26.730"W	0.00	0.00	0.00	
2632.60†	5.000	220.000	2631.46	25.39	-25.55	-21.44	730138.56	372227.45	32°01'16.297"N	103°35'26.795"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 3 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2732.60†	5.000	220.000	2731.08	32.03	-32.23	-27.05	730132.96	372220.77	32°01'16.231"N	103°35'26.861"W	0.00	0.00	0.00	
2832.60†	5.000	220.000	2830.70	38.66	-38.91	-32.65	730127.35	372214.09	32°01'16.165"N	103°35'26.926"W	0.00	0.00	0.00	
2932.60†	5.000	220.000	2930.32	45.30	-45.58	-38.25	730121.75	372207.42	32°01'16.100"N	103°35'26.992"W	0.00	0.00	0.00	
3032.60†	5.000	220.000	3029.94	51.93	-52.26	-43.85	730116.15	372200.74	32°01'16.034"N	103°35'27.058"W	0.00	0.00	0.00	
3132.60†	5.000	220.000	3129.56	58.58	-58.94	-49.45	730110.55	372194.07	32°01'15.968"N	103°35'27.123"W	0.00	0.00	0.00	
3232.60†	5.000	220.000	3229.18	65.20	-65.61	-55.06	730104.95	372187.39	32°01'15.903"N	103°35'27.189"W	0.00	0.00	0.00	
3332.60†	5.000	220.000	3328.80	71.83	-72.29	-60.66	730099.34	372180.71	32°01'15.837"N	103°35'27.254"W	0.00	0.00	0.00	
3432.60†	5.000	220.000	3428.42	78.47	-78.97	-66.26	730093.74	372174.04	32°01'15.771"N	103°35'27.320"W	0.00	0.00	0.00	
3500.00	5.000	220.000	3495.56	82.94	-83.47	-70.04	730089.97	372169.54	32°01'15.727"N	103°35'27.384"W	0.00	0.00	0.00	End of Tangent
3532.60†	4.674	220.000	3528.04	85.03	-85.57	-71.80	730088.20	372167.43	32°01'15.706"N	103°35'27.385"W	1.00	-1.00	0.00	
3632.60†	3.674	220.000	3627.78	90.57	-91.15	-76.48	730083.52	372161.86	32°01'15.652"N	103°35'27.440"W	1.00	-1.00	0.00	
3732.60†	2.674	220.000	3727.62	94.79	-95.39	-80.04	730079.96	372157.61	32°01'15.610"N	103°35'27.481"W	1.00	-1.00	0.00	
3832.60†	1.674	220.000	3827.55	97.67	-98.30	-82.48	730077.52	372154.71	32°01'15.581"N	103°35'27.510"W	1.00	-1.00	0.00	
3932.60†	0.674	220.000	3927.53	99.23	-99.87	-83.80	730076.21	372153.14	32°01'15.566"N	103°35'27.525"W	1.00	-1.00	0.00	
4000.00	0.000	82.718	3984.93	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	1.00	-1.00	207.72	End of Drop
4032.60†	0.000	82.718	4027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4132.60†	0.000	82.718	4127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4232.60†	0.000	82.718	4227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4332.60†	0.000	82.718	4327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4432.60†	0.000	82.718	4427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4532.60†	0.000	82.718	4527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4632.60†	0.000	82.718	4627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4732.60†	0.000	82.718	4727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4832.60†	0.000	82.718	4827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4932.60†	0.000	82.718	4927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5032.60†	0.000	82.718	5027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5132.60†	0.000	82.718	5127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5232.60†	0.000	82.718	5227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5332.60†	0.000	82.718	5327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5432.60†	0.000	82.718	5427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 4 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5532.60†	0.000	82.718	5527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5632.60†	0.000	82.718	5627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5732.60†	0.000	82.718	5727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5832.60†	0.000	82.718	5827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5932.60†	0.000	82.718	5927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6032.60†	0.000	82.718	6027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6132.60†	0.000	82.718	6127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6232.60†	0.000	82.718	6227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6332.60†	0.000	82.718	6327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6432.60†	0.000	82.718	6427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6532.60†	0.000	82.718	6527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6632.60†	0.000	82.718	6627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6732.60†	0.000	82.718	6727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6832.60†	0.000	82.718	6827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6932.60†	0.000	82.718	6927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7032.60†	0.000	82.718	7027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7132.60†	0.000	82.718	7127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7232.60†	0.000	82.718	7227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7332.60†	0.000	82.718	7327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7432.60†	0.000	82.718	7427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7532.60†	0.000	82.718	7527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7632.60†	0.000	82.718	7627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7732.60†	0.000	82.718	7727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7832.60†	0.000	82.718	7827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7932.60†	0.000	82.718	7927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8032.60†	0.000	82.718	8027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8132.60†	0.000	82.718	8127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8232.60†	0.000	82.718	8227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8332.60†	0.000	82.718	8327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8432.60†	0.000	82.718	8427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 5 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8532.60†	0.000	82.718	8527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8632.60†	0.000	82.718	8627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8732.60†	0.000	82.718	8727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8832.60†	0.000	82.718	8827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8932.60†	0.000	82.718	8927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9032.60†	0.000	82.718	9027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9132.60†	0.000	82.718	9127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9232.60†	0.000	82.718	9227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9332.60†	0.000	82.718	9327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9432.60†	0.000	82.718	9427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9532.60†	0.000	82.718	9527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9632.60†	0.000	82.718	9627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9732.60†	0.000	82.718	9727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9832.60†	0.000	82.718	9827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9932.60†	0.000	82.718	9927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10032.60†	0.000	82.718	10027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10132.60†	0.000	82.718	10127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10232.60†	0.000	82.718	10227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10332.60†	0.000	82.718	10327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10432.60†	0.000	82.718	10427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10505.07	0.000	82.718	10500.00	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	End of Tangent
10532.60†	0.275	82.718	10527.53	99.53	-100.16	-83.99	730076.02	372152.84	32°01'15.563"N	103°35'27.528"W	1.00	1.00	300.51	
10632.60†	1.275	82.718	10627.52	99.37	-99.99	-82.64	730077.36	372153.01	32°01'15.564"N	103°35'27.512"W	1.00	1.00	0.00	
10732.60†	2.275	82.718	10727.47	99.00	-99.60	-79.57	730080.43	372153.41	32°01'15.568"N	103°35'27.476"W	1.00	1.00	0.00	
10832.60†	3.275	82.718	10827.35	98.42	-98.98	-74.77	730085.23	372154.02	32°01'15.574"N	103°35'27.420"W	1.00	1.00	0.00	
10932.60†	4.275	82.718	10927.13	97.83	-98.15	-68.24	730091.76	372154.86	32°01'15.582"N	103°35'27.345"W	1.00	1.00	0.00	
11032.60†	5.275	82.718	11026.78	96.64	-97.09	-59.98	730100.02	372155.91	32°01'15.592"N	103°35'27.249"W	1.00	1.00	0.00	
11132.60†	6.275	82.718	11126.27	95.44	-95.82	-50.00	730110.00	372157.19	32°01'15.604"N	103°35'27.133"W	1.00	1.00	0.00	
11226.13	7.211	82.718	11219.15	94.13	-94.43	-39.11	730120.90	372158.58	32°01'15.617"N	103°35'27.006"W	1.00	1.00	0.00	End of Build
11232.60†	7.211	82.718	11225.57	94.03	-94.32	-38.30	730121.70	372158.68	32°01'15.618"N	103°35'26.997"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 6 of 9



REFERENCE WELLPATH IDENTIFICATION				
Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H	
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H	
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB	
Facility	SD EA 29 Fed Com P8			

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11332.60†	7.211	82.718	11324.78	92.53	-92.73	-25.85	730134.15	372160.27	32°01'15.632"N	103°35'26.852"W	0.00	0.00	0.00	
11432.60†	7.211	82.718	11423.99	91.04	-91.14	-13.40	730148.60	372161.86	32°01'15.647"N	103°35'26.707"W	0.00	0.00	0.00	
11532.60†	7.211	82.718	11523.20	89.54	-89.55	-0.95	730159.05	372163.45	32°01'15.662"N	103°35'26.562"W	0.00	0.00	0.00	
11632.60†	7.211	82.718	11622.41	88.04	-87.96	11.50	730171.50	372165.05	32°01'15.677"N	103°35'26.418"W	0.00	0.00	0.00	
11732.60†	7.211	82.718	11721.62	86.54	-86.37	23.95	730183.95	372166.64	32°01'15.692"N	103°35'26.273"W	0.00	0.00	0.00	
11805.73	7.211	82.718	11794.17	85.45	-85.20	33.06	730193.06	372167.80	32°01'15.703"N	103°35'26.167"W	0.00	0.00	0.00	End of Tangent
11832.60†	7.539	107.918	11820.83	85.80	-85.53	36.41	730196.41	372167.47	32°01'15.699"N	103°35'26.128"W	12.00	1.22	93.77	
11932.60†	16.019	153.622	11918.81	100.33	-99.96	48.82	730208.82	372153.04	32°01'15.556"N	103°35'25.985"W	12.00	8.48	45.70	
12032.60†	27.255	165.454	12011.66	135.07	-134.62	60.75	730220.75	372118.39	32°01'15.212"N	103°35'25.849"W	12.00	11.24	11.83	
12132.60†	38.928	170.621	12095.31	188.50	-187.97	71.66	730231.66	372065.04	32°01'14.683"N	103°35'25.727"W	12.00	11.67	5.17	
12232.60†	50.736	173.674	12166.11	258.30	-257.70	81.08	730241.08	371995.31	32°01'13.993"N	103°35'25.623"W	12.00	11.81	3.05	
12332.60†	62.601	175.835	12220.96	341.41	-340.75	88.60	730248.59	371912.26	32°01'13.170"N	103°35'25.542"W	12.00	11.86	2.16	
12432.60†	74.492	177.571	12257.48	434.20	-433.50	93.88	730253.88	371819.51	32°01'12.252"N	103°35'25.488"W	12.00	11.89	1.74	
12532.60†	86.396	179.115	12274.05	532.61	-531.89	96.71	730256.70	371721.12	32°01'11.278"N	103°35'25.463"W	12.00	11.90	1.54	
12562.87	90.000	179.568	12275.00	562.86	-562.15	97.05	730257.05	371690.87	32°01'10.979"N	103°35'25.462"W	12.00	11.91	1.50	End of 3D Arc
12632.60†	90.000	179.568	12275.00	632.59	-631.87	97.58	730257.58	371621.15	32°01'10.289"N	103°35'25.461"W	0.00	0.00	0.00	
12732.60†	90.000	179.568	12275.00	732.59	-731.87	98.33	730258.33	371521.16	32°01'09.299"N	103°35'25.461"W	0.00	0.00	0.00	
12832.60†	90.000	179.568	12275.00	832.59	-831.87	99.09	730259.08	371421.16	32°01'08.310"N	103°35'25.460"W	0.00	0.00	0.00	
12932.60†	90.000	179.568	12275.00	932.59	-931.86	99.84	730259.84	371321.17	32°01'07.320"N	103°35'25.459"W	0.00	0.00	0.00	
13032.60†	90.000	179.568	12275.00	1032.59	-1031.86	100.59	730260.59	371221.17	32°01'06.331"N	103°35'25.458"W	0.00	0.00	0.00	
13132.60†	90.000	179.568	12275.00	1132.59	-1131.86	101.35	730261.35	371121.18	32°01'05.341"N	103°35'25.457"W	0.00	0.00	0.00	
13232.60†	90.000	179.568	12275.00	1232.59	-1231.85	102.10	730262.10	371021.19	32°01'04.351"N	103°35'25.457"W	0.00	0.00	0.00	
13332.60†	90.000	179.568	12275.00	1332.59	-1331.85	102.86	730262.85	370921.19	32°01'03.362"N	103°35'25.456"W	0.00	0.00	0.00	
13432.60†	90.000	179.568	12275.00	1432.59	-1431.85	103.61	730263.61	370821.20	32°01'02.372"N	103°35'25.455"W	0.00	0.00	0.00	
13532.60†	90.000	179.568	12275.00	1532.59	-1531.85	104.36	730264.36	370721.20	32°01'01.383"N	103°35'25.454"W	0.00	0.00	0.00	
13632.60†	90.000	179.568	12275.00	1632.59	-1631.84	105.12	730265.12	370621.21	32°01'00.393"N	103°35'25.454"W	0.00	0.00	0.00	
13732.60†	90.000	179.568	12275.00	1732.59	-1731.84	105.87	730265.87	370521.22	32°00'59.404"N	103°35'25.453"W	0.00	0.00	0.00	
13832.60†	90.000	179.568	12275.00	1832.59	-1831.84	106.63	730266.62	370421.22	32°00'58.414"N	103°35'25.452"W	0.00	0.00	0.00	
13932.60†	90.000	179.568	12275.00	1932.59	-1931.83	107.38	730267.38	370321.23	32°00'57.424"N	103°35'25.451"W	0.00	0.00	0.00	
14032.60†	90.000	179.568	12275.00	2032.59	-2031.83	108.13	730268.13	370221.24	32°00'56.435"N	103°35'25.451"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 7 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Comments
14132.60†	90.000	179.568	12275.00	2132.59	-2131.83	108.89	730268.88	370121.24	32°00'55.445"N	103°35'25.450"W	0.00	0.00	0.00	
14232.60†	90.000	179.568	12275.00	2232.59	-2231.83	109.64	730269.64	370021.25	32°00'54.456"N	103°35'25.449"W	0.00	0.00	0.00	
14332.60†	90.000	179.568	12275.00	2332.59	-2331.82	110.40	730270.39	369921.25	32°00'53.466"N	103°35'25.448"W	0.00	0.00	0.00	
14432.60†	90.000	179.568	12275.00	2432.59	-2431.82	111.15	730271.15	369821.26	32°00'52.477"N	103°35'25.447"W	0.00	0.00	0.00	
14532.60†	90.000	179.568	12275.00	2532.59	-2531.82	111.90	730271.90	369721.27	32°00'51.487"N	103°35'25.447"W	0.00	0.00	0.00	
14632.60†	90.000	179.568	12275.00	2632.59	-2631.81	112.66	730272.65	369621.27	32°00'50.497"N	103°35'25.446"W	0.00	0.00	0.00	
14732.60†	90.000	179.568	12275.00	2732.59	-2731.81	113.41	730273.41	369521.28	32°00'49.508"N	103°35'25.445"W	0.00	0.00	0.00	
14832.60†	90.000	179.568	12275.00	2832.59	-2831.81	114.17	730274.16	369421.28	32°00'48.518"N	103°35'25.444"W	0.00	0.00	0.00	
14932.60†	90.000	179.568	12275.00	2932.59	-2931.81	114.92	730274.92	369321.29	32°00'47.529"N	103°35'25.444"W	0.00	0.00	0.00	
15032.60†	90.000	179.568	12275.00	3032.59	-3031.80	115.67	730275.67	369221.30	32°00'46.539"N	103°35'25.443"W	0.00	0.00	0.00	
15132.60†	90.000	179.568	12275.00	3132.59	-3131.80	116.43	730276.42	369121.30	32°00'45.549"N	103°35'25.442"W	0.00	0.00	0.00	
15232.60†	90.000	179.568	12275.00	3232.59	-3231.80	117.18	730277.18	369021.31	32°00'44.560"N	103°35'25.441"W	0.00	0.00	0.00	
15332.60†	90.000	179.568	12275.00	3332.59	-3331.79	117.94	730277.93	368921.31	32°00'43.570"N	103°35'25.440"W	0.00	0.00	0.00	
15432.60†	90.000	179.568	12275.00	3432.59	-3431.79	118.69	730278.69	368821.32	32°00'42.581"N	103°35'25.440"W	0.00	0.00	0.00	
15532.60†	90.000	179.568	12275.00	3532.59	-3531.79	119.44	730279.44	368721.33	32°00'41.591"N	103°35'25.439"W	0.00	0.00	0.00	
15632.60†	90.000	179.568	12275.00	3632.59	-3631.79	120.20	730280.19	368621.33	32°00'40.602"N	103°35'25.438"W	0.00	0.00	0.00	
15732.60†	90.000	179.568	12275.00	3732.59	-3731.78	120.95	730280.95	368521.34	32°00'39.612"N	103°35'25.437"W	0.00	0.00	0.00	
15832.60†	90.000	179.568	12275.00	3832.59	-3831.78	121.71	730281.70	368421.34	32°00'38.622"N	103°35'25.437"W	0.00	0.00	0.00	
15932.60†	90.000	179.568	12275.00	3932.59	-3931.78	122.46	730282.46	368321.35	32°00'37.633"N	103°35'25.436"W	0.00	0.00	0.00	
16032.60†	90.000	179.568	12275.00	4032.59	-4031.77	123.21	730283.21	368221.36	32°00'36.643"N	103°35'25.435"W	0.00	0.00	0.00	
16132.60†	90.000	179.568	12275.00	4132.59	-4131.77	123.97	730283.96	368121.36	32°00'35.654"N	103°35'25.434"W	0.00	0.00	0.00	
16232.60†	90.000	179.568	12275.00	4232.59	-4231.77	124.72	730284.72	368021.37	32°00'34.664"N	103°35'25.434"W	0.00	0.00	0.00	
16332.60†	90.000	179.568	12275.00	4332.59	-4331.77	125.48	730285.47	367921.37	32°00'33.675"N	103°35'25.433"W	0.00	0.00	0.00	
16432.60†	90.000	179.568	12275.00	4432.59	-4431.76	126.23	730286.23	367821.38	32°00'32.685"N	103°35'25.432"W	0.00	0.00	0.00	
16532.60†	90.000	179.568	12275.00	4532.59	-4531.76	126.98	730286.98	367721.39	32°00'31.695"N	103°35'25.431"W	0.00	0.00	0.00	
16632.60†	90.000	179.568	12275.00	4632.59	-4631.76	127.74	730287.73	367621.39	32°00'30.706"N	103°35'25.430"W	0.00	0.00	0.00	
16732.60†	90.000	179.568	12275.00	4732.59	-4731.75	128.49	730288.49	367521.40	32°00'29.716"N	103°35'25.430"W	0.00	0.00	0.00	
16832.60†	90.000	179.568	12275.00	4832.59	-4831.75	129.25	730289.24	367421.41	32°00'28.727"N	103°35'25.429"W	0.00	0.00	0.00	
16932.60†	90.000	179.568	12275.00	4932.59	-4931.75	130.00	730290.00	367321.41	32°00'27.737"N	103°35'25.428"W	0.00	0.00	0.00	
17032.60†	90.000	179.568	12275.00	5032.59	-5031.75	130.75	730290.75	367221.42	32°00'26.747"N	103°35'25.427"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 8 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17132.60†	90.000	179.568	12275.00	5132.59	-5131.74	131.51	730291.50	367121.42	32°00'25.758"N	103°35'25.427"W	0.00	0.00	0.00	
17232.60†	90.000	179.568	12275.00	5232.59	-5231.74	132.26	730292.26	367021.43	32°00'24.768"N	103°35'25.426"W	0.00	0.00	0.00	
17332.60†	90.000	179.568	12275.00	5332.59	-5331.74	133.02	730293.01	366921.44	32°00'23.779"N	103°35'25.425"W	0.00	0.00	0.00	
17432.60†	90.000	179.568	12275.00	5432.59	-5431.73	133.77	730293.77	366821.44	32°00'22.789"N	103°35'25.424"W	0.00	0.00	0.00	
17532.80†	90.000	179.568	12275.00	5532.59	-5531.73	134.52	730294.52	366721.45	32°00'21.800"N	103°35'25.423"W	0.00	0.00	0.00	
17632.60†	90.000	179.568	12275.00	5632.59	-5631.73	135.28	730295.27	366621.45	32°00'20.810"N	103°35'25.423"W	0.00	0.00	0.00	
17732.60†	90.000	179.568	12275.00	5732.59	-5731.73	136.03	730296.03	366521.46	32°00'19.820"N	103°35'25.422"W	0.00	0.00	0.00	
17832.60†	90.000	179.568	12275.00	5832.59	-5831.72	136.79	730296.78	366421.47	32°00'18.831"N	103°35'25.421"W	0.00	0.00	0.00	
17932.80†	90.000	179.568	12275.00	5932.59	-5931.72	137.54	730297.54	366321.47	32°00'17.841"N	103°35'25.420"W	0.00	0.00	0.00	
18032.60†	90.000	179.568	12275.00	6032.59	-6031.72	138.29	730298.29	366221.48	32°00'16.852"N	103°35'25.420"W	0.00	0.00	0.00	
18132.60†	90.000	179.568	12275.00	6132.59	-6131.71	139.05	730299.04	366121.48	32°00'15.862"N	103°35'25.419"W	0.00	0.00	0.00	
18232.80†	90.000	179.568	12275.00	6232.59	-6231.71	139.80	730299.80	366021.49	32°00'14.872"N	103°35'25.418"W	0.00	0.00	0.00	
18332.60†	90.000	179.568	12275.00	6332.59	-6331.71	140.56	730300.55	365921.50	32°00'13.883"N	103°35'25.417"W	0.00	0.00	0.00	
18432.60†	90.000	179.568	12275.00	6432.59	-6431.71	141.31	730301.30	365821.50	32°00'12.893"N	103°35'25.416"W	0.00	0.00	0.00	
18532.60†	90.000	179.568	12275.00	6532.59	-6531.70	142.06	730302.06	365721.51	32°00'11.904"N	103°35'25.416"W	0.00	0.00	0.00	
18632.60†	90.000	179.568	12275.00	6632.59	-6631.70	142.82	730302.81	365621.51	32°00'10.914"N	103°35'25.415"W	0.00	0.00	0.00	
18732.60†	90.000	179.568	12275.00	6732.59	-6731.70	143.57	730303.57	365521.52	32°00'09.925"N	103°35'25.414"W	0.00	0.00	0.00	
18832.60†	90.000	179.568	12275.00	6832.59	-6831.69	144.33	730304.32	365421.53	32°00'08.935"N	103°35'25.413"W	0.00	0.00	0.00	
18932.60†	90.000	179.568	12275.00	6932.59	-6931.69	145.08	730305.07	365321.53	32°00'07.945"N	103°35'25.413"W	0.00	0.00	0.00	
19032.80†	90.000	179.568	12275.00	7032.59	-7031.69	145.83	730305.83	365221.54	32°00'06.956"N	103°35'25.412"W	0.00	0.00	0.00	
19132.60†	90.000	179.568	12275.00	7132.59	-7131.69	146.59	730306.58	365121.54	32°00'05.966"N	103°35'25.411"W	0.00	0.00	0.00	
19232.60†	90.000	179.568	12275.00	7232.59	-7231.68	147.34	730307.34	365021.55	32°00'04.977"N	103°35'25.410"W	0.00	0.00	0.00	
19332.60†	90.000	179.568	12275.00	7332.59	-7331.68	148.10	730308.09	364921.56	32°00'03.987"N	103°35'25.409"W	0.00	0.00	0.00	
19432.60†	90.000	179.568	12275.00	7432.59	-7431.68	148.85	730308.84	364821.56	32°00'02.997"N	103°35'25.409"W	0.00	0.00	0.00	
19512.87	90.000	179.568	12275.00†	7512.88	-7511.95	149.45	730309.45	364741.29	32°00'02.203"N	103°35'25.408"W	0.00	0.00	0.00	End of Tangent



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 9 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SD EA 29 FED COM P8 No. Well 2 (A) FTP		12275.00	-193.87	94.29	730254.29	372059.13	32°01'14.623"N	103°35'25.465"W	point
1) SD EA 29 FED COM P8 No. Well 2 (A) PBHL rev 1	19512.87	12275.00	-7511.95	149.46	730309.45	364741.29	32°00'02.203"N	103°35'25.408"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 29 FED COM P8 9H PWB Ref Wellpath: SD EA 29 FED COM P8 9H Rev B.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	2300.00	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 9H PWB
2300.00	11800.00	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 9H PWB
11800.00	19617.55	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 9H PWB