



Chevron U.S.A. Inc.

Location: Lea County, NM
Field: Jennings / Upper BN SPRN Shale (Lea County, NM)
Facility: SD EA 18 19 Fed 14

Slot: SD EA 18 19 Fed P14 13H
Well: SD EA 18 19 Fed P14 13H
Wellbore: SD EA 18 19 Fed P14 13H



NOTE: FIELD SHOULD BE UPPER WOLECAMP

Well Profile Data

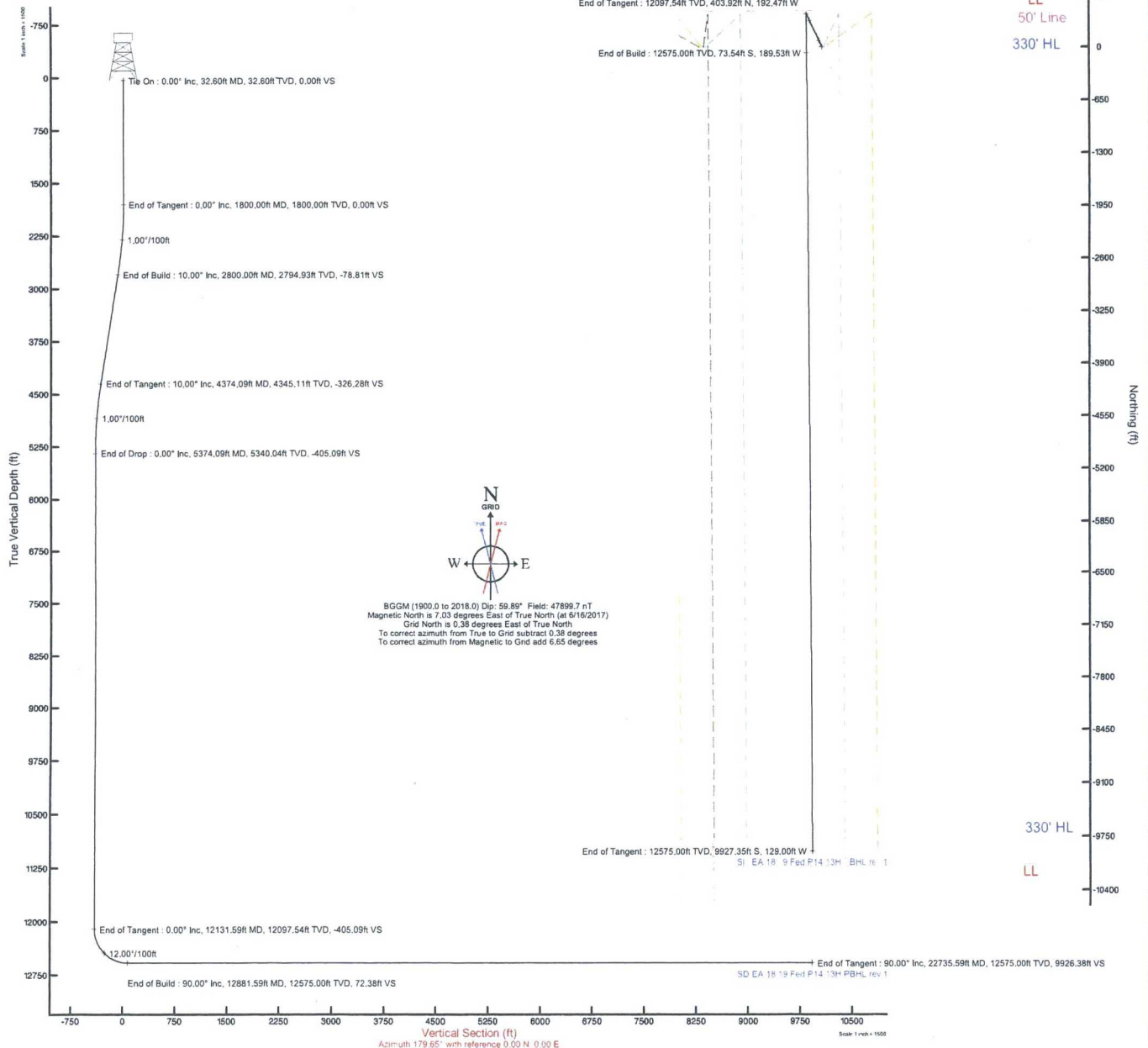
Design Comment	MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	DLS ("/100ft)	VS (ft)
Tie On	32.60	0.000	334.522	32.60	0.00	0.00	0.00	0.00
End of Tangent	1800.00	0.000	334.522	1800.00	0.00	0.00	0.00	0.00
End of Build	2800.00	10.000	334.522	2794.93	78.58	-37.44	1.00	-78.81
End of Tangent	4374.09	10.000	334.522	4345.11	325.34	-155.02	0.00	-326.28
End of Drop	5374.09	0.000	179.648	5340.04	403.92	-192.47	1.00	-405.09
End of Tangent	12131.59	0.000	179.648	12097.54	403.92	-192.47	0.00	-405.09
End of Build	12881.59	90.000	179.648	12575.00	-73.54	-189.53	12.00	72.38
End of Tangent	22735.59	90.000	179.648	12575.00	-9927.35	-129.00	0.00	9926.38

Bottom Hole Location

MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
22735.59	90.000	179.648	12575.00	-9927.35	-129.00	723768.00	372522.00	32°01'19.639"N	103°36'40.765"W

Plot reference wellpath is SD EA 18 19 Fed P14 13H Rev A.0	Grid System: NAD27 / TLM New Mexico SP, Eastern Zone (3061), US feet
True vertical depths are referenced to Rig: Nabors X30 (KB)	* = Wellpath was transformed from a different geobase datum
Measured depths are referenced to Rig: Nabors X30 (KB)	North Reference: Grid north
Rig: Nabors X30 (KB) to Mean Sea Level: 3255.6 feet	Scale: True distance
Mean Sea Level to Ground level (at Slot): SD EA 18 19 Fed P14 13H: -3223 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: madden on 2017-06-16
	Database: WA_Midland

Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
SD EA 18 19 Fed 14	723768.000	382449.000	32°02'57.868"N	103°36'38.786"W	
Slot	Local N (ft)	Local E (ft)	Grid North (US ft)	Grid East (US ft)	Latitude
SD EA 18 19 Fed P14 13H	0.00	25.00	723897.000	382449.000	32°02'57.867"N
Rig: Nabors X30 (KB) to Ground level (at Slot): SD EA 18 19 Fed P14 13H					32.60
Mean Sea Level to Ground level (at Slot): SD EA 18 19 Fed P14 13H					-3223ft
Rig: Nabors X30 (KB) to Mean Sea Level					3255.6ft





Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

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	0.999967	Report Generated	6/16/2017 at 1:04:06 PM
Convergence at slot	0.38° East	Database/Source file	WA_Midland/SD_EA_18_19_Fed_P14_13H_Rev_A.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	25.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W
Facility Reference Pt			723872.00	382449.00	32°02'57.869"N	103°36'38.786"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	3255.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3255.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 18 19 Fed P14 13H)	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	179.65°



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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	334.522	0.00	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
32.60	0.000	334.522	32.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	Tie On
132.60†	0.000	334.522	132.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
232.60†	0.000	334.522	232.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
332.60†	0.000	334.522	332.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
432.60†	0.000	334.522	432.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
532.60†	0.000	334.522	532.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
632.60†	0.000	334.522	632.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
732.60†	0.000	334.522	732.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
832.60†	0.000	334.522	832.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
932.60†	0.000	334.522	932.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1032.60†	0.000	334.522	1032.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1132.60†	0.000	334.522	1132.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1232.60†	0.000	334.522	1232.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1332.60†	0.000	334.522	1332.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1432.60†	0.000	334.522	1432.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1532.60†	0.000	334.522	1532.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1632.60†	0.000	334.522	1632.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1732.60†	0.000	334.522	1732.60	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	
1800.00	0.000	334.522	1800.00	0.00	0.00	0.00	723897.00	382449.00	32°02'57.867"N	103°36'38.496"W	0.00	0.00	0.00	End of Tangent
1832.60†	0.326	334.522	1832.60	-0.08	0.08	-0.04	723896.96	382449.08	32°02'57.868"N	103°36'38.496"W	1.00	1.00	-78.15	
1932.60†	1.326	334.522	1932.59	-1.39	1.39	-0.66	723896.34	382450.39	32°02'57.881"N	103°36'38.503"W	1.00	1.00	0.00	
2032.60†	2.326	334.522	2032.54	-4.27	4.26	-2.03	723894.97	382453.26	32°02'57.909"N	103°36'38.519"W	1.00	1.00	0.00	
2132.60†	3.326	334.522	2132.41	-8.74	8.71	-4.15	723892.85	382457.71	32°02'57.953"N	103°36'38.543"W	1.00	1.00	0.00	
2232.60†	4.326	334.522	2232.19	-14.78	14.74	-7.02	723889.98	382463.74	32°02'58.013"N	103°36'38.576"W	1.00	1.00	0.00	
2332.60†	5.326	334.522	2331.83	-22.40	22.33	-10.64	723886.36	382471.33	32°02'58.089"N	103°36'38.617"W	1.00	1.00	0.00	
2432.60†	6.326	334.522	2431.32	-31.59	31.49	-15.01	723881.99	382480.49	32°02'58.180"N	103°36'38.668"W	1.00	1.00	0.00	
2532.60†	7.326	334.522	2530.61	-42.35	42.22	-20.12	723876.88	382491.22	32°02'58.286"N	103°36'38.726"W	1.00	1.00	0.00	
2632.60†	8.326	334.522	2629.67	-54.67	54.52	-25.98	723871.02	382503.51	32°02'58.408"N	103°36'38.793"W	1.00	1.00	0.00	
2732.60†	9.326	334.522	2728.49	-68.56	68.37	-32.58	723864.42	382517.36	32°02'58.546"N	103°36'38.869"W	1.00	1.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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
2800.00	10.000	334.522	2794.93	-78.81	78.58	-37.44	723859.56	382527.58	32°02'58.647"N	103°36'38.925"W	1.00	1.00	0.00	End of Build
2832.60†	10.000	334.522	2827.04	-83.93	83.69	-39.88	723857.12	382532.69	32°02'58.698"N	103°36'38.952"W	0.00	0.00	0.00	
2932.60†	10.000	334.522	2925.52	-99.65	99.37	-47.35	723849.65	382548.36	32°02'58.853"N	103°36'39.038"W	0.00	0.00	0.00	
3032.60†	10.000	334.522	3024.00	-115.38	115.04	-54.82	723842.18	382564.04	32°02'59.009"N	103°36'39.124"W	0.00	0.00	0.00	
3132.60†	10.000	334.522	3122.48	-131.10	130.72	-62.29	723834.71	382579.71	32°02'59.165"N	103°36'39.209"W	0.00	0.00	0.00	
3232.60†	10.000	334.522	3220.96	-146.82	146.40	-69.76	723827.25	382595.39	32°02'59.320"N	103°36'39.295"W	0.00	0.00	0.00	
3332.60†	10.000	334.522	3319.44	-162.54	162.07	-77.23	723819.78	382611.07	32°02'59.476"N	103°36'39.380"W	0.00	0.00	0.00	
3432.60†	10.000	334.522	3417.92	-178.26	177.75	-84.70	723812.31	382626.74	32°02'59.631"N	103°36'39.466"W	0.00	0.00	0.00	
3532.60†	10.000	334.522	3516.40	-193.98	193.42	-92.17	723804.84	382642.42	32°02'59.787"N	103°36'39.551"W	0.00	0.00	0.00	
3632.60†	10.000	334.522	3614.88	-209.70	209.10	-99.64	723797.37	382658.09	32°02'59.943"N	103°36'39.637"W	0.00	0.00	0.00	
3732.60†	10.000	334.522	3713.36	-225.43	224.78	-107.11	723789.90	382673.77	32°03'00.098"N	103°36'39.722"W	0.00	0.00	0.00	
3832.60†	10.000	334.522	3811.84	-241.15	240.45	-114.57	723782.43	382689.44	32°03'00.254"N	103°36'39.808"W	0.00	0.00	0.00	
3932.60†	10.000	334.522	3910.32	-256.87	256.13	-122.04	723774.96	382705.12	32°03'00.410"N	103°36'39.894"W	0.00	0.00	0.00	
4032.60†	10.000	334.522	4008.80	-272.59	271.80	-129.51	723767.49	382720.79	32°03'00.565"N	103°36'39.979"W	0.00	0.00	0.00	
4132.60†	10.000	334.522	4107.29	-288.31	287.48	-136.98	723760.02	382736.47	32°03'00.721"N	103°36'40.065"W	0.00	0.00	0.00	
4232.60†	10.000	334.522	4205.77	-304.03	303.16	-144.45	723752.55	382752.15	32°03'00.876"N	103°36'40.150"W	0.00	0.00	0.00	
4332.60†	10.000	334.522	4304.25	-319.75	318.83	-151.92	723745.08	382767.82	32°03'01.032"N	103°36'40.236"W	0.00	0.00	0.00	
4374.09	10.000	334.522	4345.11	-326.28	325.34	-155.02	723741.98	382774.33	32°03'01.097"N	103°36'40.271"W	0.00	0.00	0.00	End of Tangent
4432.60†	9.415	334.522	4402.78	-335.21	334.24	-159.27	723737.74	382783.23	32°03'01.185"N	103°36'40.320"W	1.00	-1.00	0.00	
4532.60†	8.415	334.522	4501.57	-349.24	348.23	-165.93	723731.07	382797.22	32°03'01.324"N	103°36'40.396"W	1.00	-1.00	0.00	
4632.60†	7.415	334.522	4600.62	-361.71	360.66	-171.86	723725.15	382809.65	32°03'01.447"N	103°36'40.464"W	1.00	-1.00	0.00	
4732.60†	6.415	334.522	4699.89	-372.61	371.53	-177.03	723719.97	382820.52	32°03'01.555"N	103°36'40.524"W	1.00	-1.00	0.00	
4832.60†	5.415	334.522	4799.35	-381.94	380.84	-181.47	723715.54	382829.82	32°03'01.648"N	103°36'40.574"W	1.00	-1.00	0.00	
4932.60†	4.415	334.522	4898.98	-389.69	388.57	-185.15	723711.85	382837.56	32°03'01.724"N	103°36'40.617"W	1.00	-1.00	0.00	
5032.60†	3.415	334.522	4998.75	-395.87	394.73	-188.09	723708.92	382843.72	32°03'01.786"N	103°36'40.650"W	1.00	-1.00	0.00	
5132.60†	2.415	334.522	5098.62	-400.48	399.32	-190.28	723706.73	382848.31	32°03'01.831"N	103°36'40.675"W	1.00	-1.00	0.00	
5232.60†	1.415	334.522	5198.56	-403.50	402.34	-191.71	723705.29	382851.33	32°03'01.861"N	103°36'40.692"W	1.00	-1.00	0.00	
5332.60†	0.415	334.522	5298.55	-404.95	403.78	-192.40	723704.61	382852.77	32°03'01.875"N	103°36'40.700"W	1.00	-1.00	0.00	
5374.09	0.000	179.648	5340.04	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	1.00	-1.00	61.40	End of Drop
5432.60†	0.000	179.648	5398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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	179.648	5498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
5632.60†	0.000	179.648	5598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
5732.60†	0.000	179.648	5698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
5832.60†	0.000	179.648	5798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
5932.60†	0.000	179.648	5898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6032.60†	0.000	179.648	5998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6132.60†	0.000	179.648	6098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6232.60†	0.000	179.648	6198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6332.60†	0.000	179.648	6298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6432.60†	0.000	179.648	6398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6532.60†	0.000	179.648	6498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6632.60†	0.000	179.648	6598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6732.60†	0.000	179.648	6698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6832.60†	0.000	179.648	6798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
6932.60†	0.000	179.648	6898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7032.60†	0.000	179.648	6998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7132.60†	0.000	179.648	7098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7232.60†	0.000	179.648	7198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7332.60†	0.000	179.648	7298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7432.60†	0.000	179.648	7398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7532.60†	0.000	179.648	7498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7632.60†	0.000	179.648	7598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7732.60†	0.000	179.648	7698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7832.60†	0.000	179.648	7798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
7932.60†	0.000	179.648	7898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8032.60†	0.000	179.648	7998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8132.60†	0.000	179.648	8098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8232.60†	0.000	179.648	8198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8332.60†	0.000	179.648	8298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8432.60†	0.000	179.648	8398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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	179.648	8498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8632.60†	0.000	179.648	8598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8732.60†	0.000	179.648	8698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8832.60†	0.000	179.648	8798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
8932.60†	0.000	179.648	8898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9032.60†	0.000	179.648	8998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9132.60†	0.000	179.648	9098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9232.60†	0.000	179.648	9198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9332.60†	0.000	179.648	9298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9432.60†	0.000	179.648	9398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9532.60†	0.000	179.648	9498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9632.60†	0.000	179.648	9598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9732.60†	0.000	179.648	9698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9832.60†	0.000	179.648	9798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
9932.60†	0.000	179.648	9898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10032.60†	0.000	179.648	9998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10132.60†	0.000	179.648	10098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10232.60†	0.000	179.648	10198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10332.60†	0.000	179.648	10298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10432.60†	0.000	179.648	10398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10532.60†	0.000	179.648	10498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10632.60†	0.000	179.648	10598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10732.60†	0.000	179.648	10698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10832.60†	0.000	179.648	10798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
10932.60†	0.000	179.648	10898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11032.60†	0.000	179.648	10998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11132.60†	0.000	179.648	11098.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11232.60†	0.000	179.648	11198.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11332.60†	0.000	179.648	11298.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11432.60†	0.000	179.648	11398.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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
11532.60†	0.000	179.648	11498.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11632.60†	0.000	179.648	11598.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11732.60†	0.000	179.648	11698.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11832.60†	0.000	179.648	11798.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
11932.60†	0.000	179.648	11898.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
12032.60†	0.000	179.648	11998.55	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	
12131.59	0.000	179.648	12097.54	-405.09	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	0.00	0.00	0.00	End of Tangent
12132.60†	0.121	179.648	12098.55	-405.08	403.92	-192.47	723704.54	382852.90	32°03'01.877"N	103°36'40.700"W	12.00	12.00	17745.92	
12232.60†	12.121	179.648	12197.80	-394.44	393.27	-192.40	723704.61	382842.26	32°03'01.771"N	103°36'40.700"W	12.00	12.00	0.00	
12332.60†	24.121	179.648	12292.66	-363.39	362.23	-192.21	723704.80	382811.21	32°03'01.464"N	103°36'40.701"W	12.00	12.00	0.00	
12432.60†	36.121	179.648	12379.00	-313.30	312.14	-191.90	723705.10	382761.12	32°03'00.968"N	103°36'40.701"W	12.00	12.00	0.00	
12532.60†	48.121	179.648	12453.04	-246.35	245.19	-191.49	723705.52	382694.18	32°03'00.306"N	103°36'40.701"W	12.00	12.00	0.00	
12632.60†	60.121	179.648	12511.54	-165.48	164.31	-190.99	723706.01	382613.31	32°02'59.506"N	103°36'40.702"W	12.00	12.00	0.00	
12732.60†	72.121	179.648	12551.94	-74.20	73.04	-190.43	723706.57	382522.04	32°02'58.602"N	103°36'40.702"W	12.00	12.00	0.00	
12832.60†	84.121	179.648	12572.49	23.48	-24.64	-189.83	723707.17	382424.36	32°02'57.636"N	103°36'40.703"W	12.00	12.00	0.00	
12881.59	90.000	179.648	12575.00	72.38	-73.54	-189.53	723707.47	382375.46	32°02'57.152"N	103°36'40.703"W	12.00	12.00	0.00	End of Build
12932.60†	90.000	179.648	12575.00	123.39	-124.55	-189.22	723707.79	382324.45	32°02'56.647"N	103°36'40.704"W	0.00	0.00	0.00	
13032.60†	90.000	179.648	12575.00	223.39	-224.55	-188.61	723708.40	382224.46	32°02'55.657"N	103°36'40.704"W	0.00	0.00	0.00	
13132.60†	90.000	179.648	12575.00	323.39	-324.55	-187.99	723709.02	382124.47	32°02'54.668"N	103°36'40.705"W	0.00	0.00	0.00	
13232.60†	90.000	179.648	12575.00	423.39	-424.54	-187.38	723709.63	382024.47	32°02'53.678"N	103°36'40.706"W	0.00	0.00	0.00	
13332.60†	90.000	179.648	12575.00	523.39	-524.54	-186.76	723710.24	381924.48	32°02'52.689"N	103°36'40.706"W	0.00	0.00	0.00	
13432.60†	90.000	179.648	12575.00	623.39	-624.54	-186.15	723710.86	381824.48	32°02'51.699"N	103°36'40.707"W	0.00	0.00	0.00	
13532.60†	90.000	179.648	12575.00	723.39	-724.54	-185.53	723711.47	381724.49	32°02'50.710"N	103°36'40.707"W	0.00	0.00	0.00	
13632.60†	90.000	179.648	12575.00	823.39	-824.54	-184.92	723712.09	381624.49	32°02'49.720"N	103°36'40.708"W	0.00	0.00	0.00	
13732.60†	90.000	179.648	12575.00	923.39	-924.53	-184.31	723712.70	381524.50	32°02'48.730"N	103°36'40.709"W	0.00	0.00	0.00	
13832.60†	90.000	179.648	12575.00	1023.39	-1024.53	-183.69	723713.31	381424.50	32°02'47.741"N	103°36'40.709"W	0.00	0.00	0.00	
13932.60†	90.000	179.648	12575.00	1123.39	-1124.53	-183.08	723713.93	381324.51	32°02'46.751"N	103°36'40.710"W	0.00	0.00	0.00	
14032.60†	90.000	179.648	12575.00	1223.39	-1224.53	-182.46	723714.54	381224.51	32°02'45.762"N	103°36'40.711"W	0.00	0.00	0.00	
14132.60†	90.000	179.648	12575.00	1323.39	-1324.53	-181.85	723715.16	381124.52	32°02'44.772"N	103°36'40.711"W	0.00	0.00	0.00	
14232.60†	90.000	179.648	12575.00	1423.39	-1424.52	-181.23	723715.77	381024.53	32°02'43.783"N	103°36'40.712"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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
14332.60†	90.000	179.648	12575.00	1523.39	-1524.52	-180.62	723716.39	380924.53	32°02'42.793"N	103°36'40.712"W	0.00	0.00	0.00	
14432.60†	90.000	179.648	12575.00	1623.39	-1624.52	-180.01	723717.00	380824.54	32°02'41.803"N	103°36'40.713"W	0.00	0.00	0.00	
14532.60†	90.000	179.648	12575.00	1723.39	-1724.52	-179.39	723717.61	380724.54	32°02'40.814"N	103°36'40.714"W	0.00	0.00	0.00	
14632.60†	90.000	179.648	12575.00	1823.39	-1824.52	-178.78	723718.23	380624.55	32°02'39.824"N	103°36'40.714"W	0.00	0.00	0.00	
14732.60†	90.000	179.648	12575.00	1923.39	-1924.52	-178.16	723718.84	380524.55	32°02'38.835"N	103°36'40.715"W	0.00	0.00	0.00	
14832.60†	90.000	179.648	12575.00	2023.39	-2024.51	-177.55	723719.46	380424.56	32°02'37.845"N	103°36'40.716"W	0.00	0.00	0.00	
14932.60†	90.000	179.648	12575.00	2123.39	-2124.51	-176.93	723720.07	380324.56	32°02'36.856"N	103°36'40.716"W	0.00	0.00	0.00	
15032.60†	90.000	179.648	12575.00	2223.39	-2224.51	-176.32	723720.69	380224.57	32°02'35.866"N	103°36'40.717"W	0.00	0.00	0.00	
15132.60†	90.000	179.648	12575.00	2323.39	-2324.51	-175.71	723721.30	380124.57	32°02'34.876"N	103°36'40.718"W	0.00	0.00	0.00	
15232.60†	90.000	179.648	12575.00	2423.39	-2424.51	-175.09	723721.91	380024.58	32°02'33.887"N	103°36'40.718"W	0.00	0.00	0.00	
15332.60†	90.000	179.648	12575.00	2523.39	-2524.50	-174.48	723722.53	379924.59	32°02'32.897"N	103°36'40.719"W	0.00	0.00	0.00	
15432.60†	90.000	179.648	12575.00	2623.39	-2624.50	-173.86	723723.14	379824.59	32°02'31.908"N	103°36'40.719"W	0.00	0.00	0.00	
15532.60†	90.000	179.648	12575.00	2723.39	-2724.50	-173.25	723723.76	379724.60	32°02'30.918"N	103°36'40.720"W	0.00	0.00	0.00	
15632.60†	90.000	179.648	12575.00	2823.39	-2824.50	-172.64	723724.37	379624.60	32°02'29.928"N	103°36'40.721"W	0.00	0.00	0.00	
15732.60†	90.000	179.648	12575.00	2923.39	-2924.50	-172.02	723724.99	379524.61	32°02'28.939"N	103°36'40.721"W	0.00	0.00	0.00	
15832.60†	90.000	179.648	12575.00	3023.39	-3024.49	-171.41	723725.60	379424.61	32°02'27.949"N	103°36'40.722"W	0.00	0.00	0.00	
15932.60†	90.000	179.648	12575.00	3123.39	-3124.49	-170.79	723726.21	379324.62	32°02'26.960"N	103°36'40.723"W	0.00	0.00	0.00	
16032.60†	90.000	179.648	12575.00	3223.39	-3224.49	-170.18	723726.83	379224.62	32°02'25.970"N	103°36'40.723"W	0.00	0.00	0.00	
16132.60†	90.000	179.648	12575.00	3323.39	-3324.49	-169.56	723727.44	379124.63	32°02'24.981"N	103°36'40.724"W	0.00	0.00	0.00	
16232.60†	90.000	179.648	12575.00	3423.39	-3424.49	-168.95	723728.06	379024.63	32°02'23.991"N	103°36'40.724"W	0.00	0.00	0.00	
16332.60†	90.000	179.648	12575.00	3523.39	-3524.49	-168.34	723728.67	378924.64	32°02'23.001"N	103°36'40.725"W	0.00	0.00	0.00	
16432.60†	90.000	179.648	12575.00	3623.39	-3624.48	-167.72	723729.28	378824.65	32°02'22.012"N	103°36'40.726"W	0.00	0.00	0.00	
16532.60†	90.000	179.648	12575.00	3723.39	-3724.48	-167.11	723729.90	378724.65	32°02'21.022"N	103°36'40.726"W	0.00	0.00	0.00	
16632.60†	90.000	179.648	12575.00	3823.39	-3824.48	-166.49	723730.51	378624.66	32°02'20.033"N	103°36'40.727"W	0.00	0.00	0.00	
16732.60†	90.000	179.648	12575.00	3923.39	-3924.48	-165.88	723731.13	378524.66	32°02'19.043"N	103°36'40.728"W	0.00	0.00	0.00	
16832.60†	90.000	179.648	12575.00	4023.39	-4024.48	-165.26	723731.74	378424.67	32°02'18.054"N	103°36'40.728"W	0.00	0.00	0.00	
16932.60†	90.000	179.648	12575.00	4123.39	-4124.47	-164.65	723732.36	378324.67	32°02'17.064"N	103°36'40.729"W	0.00	0.00	0.00	
17032.60†	90.000	179.648	12575.00	4223.39	-4224.47	-164.04	723732.97	378224.68	32°02'16.074"N	103°36'40.730"W	0.00	0.00	0.00	
17132.60†	90.000	179.648	12575.00	4323.39	-4324.47	-163.42	723733.58	378124.68	32°02'15.085"N	103°36'40.730"W	0.00	0.00	0.00	
17232.60†	90.000	179.648	12575.00	4423.39	-4424.47	-162.81	723734.20	378024.69	32°02'14.095"N	103°36'40.731"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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
17332.60†	90.000	179.648	12575.00	4523.39	-4524.47	-162.19	723734.81	377924.69	32°02'13.106"N	103°36'40.731"W	0.00	0.00	0.00	
17432.60†	90.000	179.648	12575.00	4623.39	-4624.46	-161.58	723735.43	377824.70	32°02'12.116"N	103°36'40.732"W	0.00	0.00	0.00	
17532.60†	90.000	179.648	12575.00	4723.39	-4724.46	-160.96	723736.04	377724.70	32°02'11.127"N	103°36'40.733"W	0.00	0.00	0.00	
17632.60†	90.000	179.648	12575.00	4823.39	-4824.46	-160.35	723736.66	377624.71	32°02'10.137"N	103°36'40.733"W	0.00	0.00	0.00	
17732.60†	90.000	179.648	12575.00	4923.39	-4924.46	-159.74	723737.27	377524.72	32°02'09.147"N	103°36'40.734"W	0.00	0.00	0.00	
17832.60†	90.000	179.648	12575.00	5023.39	-5024.46	-159.12	723737.88	377424.72	32°02'08.158"N	103°36'40.735"W	0.00	0.00	0.00	
17932.60†	90.000	179.648	12575.00	5123.39	-5124.46	-158.51	723738.50	377324.73	32°02'07.168"N	103°36'40.735"W	0.00	0.00	0.00	
18032.60†	90.000	179.648	12575.00	5223.39	-5224.45	-157.89	723739.11	377224.73	32°02'06.179"N	103°36'40.736"W	0.00	0.00	0.00	
18132.60†	90.000	179.648	12575.00	5323.39	-5324.45	-157.28	723739.73	377124.74	32°02'05.189"N	103°36'40.736"W	0.00	0.00	0.00	
18232.60†	90.000	179.648	12575.00	5423.39	-5424.45	-156.66	723740.34	377024.74	32°02'04.200"N	103°36'40.737"W	0.00	0.00	0.00	
18332.60†	90.000	179.648	12575.00	5523.39	-5524.45	-156.05	723740.96	376924.75	32°02'03.210"N	103°36'40.738"W	0.00	0.00	0.00	
18432.60†	90.000	179.648	12575.00	5623.39	-5624.45	-155.44	723741.57	376824.75	32°02'02.220"N	103°36'40.738"W	0.00	0.00	0.00	
18532.60†	90.000	179.648	12575.00	5723.39	-5724.44	-154.82	723742.18	376724.76	32°02'01.231"N	103°36'40.739"W	0.00	0.00	0.00	
18632.60†	90.000	179.648	12575.00	5823.39	-5824.44	-154.21	723742.80	376624.76	32°02'00.241"N	103°36'40.740"W	0.00	0.00	0.00	
18732.60†	90.000	179.648	12575.00	5923.39	-5924.44	-153.59	723743.41	376524.77	32°01'59.252"N	103°36'40.740"W	0.00	0.00	0.00	
18832.60†	90.000	179.648	12575.00	6023.39	-6024.44	-152.98	723744.03	376424.78	32°01'58.262"N	103°36'40.741"W	0.00	0.00	0.00	
18932.60†	90.000	179.648	12575.00	6123.39	-6124.44	-152.36	723744.64	376324.78	32°01'57.272"N	103°36'40.741"W	0.00	0.00	0.00	
19032.60†	90.000	179.648	12575.00	6223.39	-6224.43	-151.75	723745.26	376224.79	32°01'56.283"N	103°36'40.742"W	0.00	0.00	0.00	
19132.60†	90.000	179.648	12575.00	6323.39	-6324.43	-151.14	723745.87	376124.79	32°01'55.293"N	103°36'40.743"W	0.00	0.00	0.00	
19232.60†	90.000	179.648	12575.00	6423.39	-6424.43	-150.52	723746.48	376024.80	32°01'54.304"N	103°36'40.743"W	0.00	0.00	0.00	
19332.60†	90.000	179.648	12575.00	6523.39	-6524.43	-149.91	723747.10	375924.80	32°01'53.314"N	103°36'40.744"W	0.00	0.00	0.00	
19432.60†	90.000	179.648	12575.00	6623.39	-6624.43	-149.29	723747.71	375824.81	32°01'52.325"N	103°36'40.745"W	0.00	0.00	0.00	
19532.60†	90.000	179.648	12575.00	6723.39	-6724.42	-148.68	723748.33	375724.81	32°01'51.335"N	103°36'40.745"W	0.00	0.00	0.00	
19632.60†	90.000	179.648	12575.00	6823.39	-6824.42	-148.06	723748.94	375624.82	32°01'50.345"N	103°36'40.746"W	0.00	0.00	0.00	
19732.60†	90.000	179.648	12575.00	6923.39	-6924.42	-147.45	723749.55	375524.82	32°01'49.356"N	103°36'40.747"W	0.00	0.00	0.00	
19832.60†	90.000	179.648	12575.00	7023.39	-7024.42	-146.84	723750.17	375424.83	32°01'48.366"N	103°36'40.747"W	0.00	0.00	0.00	
19932.60†	90.000	179.648	12575.00	7123.39	-7124.42	-146.22	723750.78	375324.84	32°01'47.377"N	103°36'40.748"W	0.00	0.00	0.00	
20032.60†	90.000	179.648	12575.00	7223.39	-7224.42	-145.61	723751.40	375224.84	32°01'46.387"N	103°36'40.748"W	0.00	0.00	0.00	
20132.60†	90.000	179.648	12575.00	7323.39	-7324.41	-144.99	723752.01	375124.85	32°01'45.398"N	103°36'40.749"W	0.00	0.00	0.00	
20232.60†	90.000	179.648	12575.00	7423.39	-7424.41	-144.38	723752.63	375024.85	32°01'44.408"N	103°36'40.750"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

WELLPATH DATA (236 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
20332.60†	90.000	179.648	12575.00	7523.39	-7524.41	-143.77	723753.24	374924.86	32°01'43.418"N	103°36'40.750"W	0.00	0.00	0.00	
20432.60†	90.000	179.648	12575.00	7623.39	-7624.41	-143.15	723753.85	374824.86	32°01'42.429"N	103°36'40.751"W	0.00	0.00	0.00	
20532.60†	90.000	179.648	12575.00	7723.39	-7724.41	-142.54	723754.47	374724.87	32°01'41.439"N	103°36'40.752"W	0.00	0.00	0.00	
20632.60†	90.000	179.648	12575.00	7823.39	-7824.40	-141.92	723755.08	374624.87	32°01'40.450"N	103°36'40.752"W	0.00	0.00	0.00	
20732.60†	90.000	179.648	12575.00	7923.39	-7924.40	-141.31	723755.70	374524.88	32°01'39.460"N	103°36'40.753"W	0.00	0.00	0.00	
20832.60†	90.000	179.648	12575.00	8023.39	-8024.40	-140.69	723756.31	374424.88	32°01'38.471"N	103°36'40.753"W	0.00	0.00	0.00	
20932.60†	90.000	179.648	12575.00	8123.39	-8124.40	-140.08	723756.93	374324.89	32°01'37.481"N	103°36'40.754"W	0.00	0.00	0.00	
21032.60†	90.000	179.648	12575.00	8223.39	-8224.40	-139.47	723757.54	374224.90	32°01'36.491"N	103°36'40.755"W	0.00	0.00	0.00	
21132.60†	90.000	179.648	12575.00	8323.39	-8324.39	-138.85	723758.15	374124.90	32°01'35.502"N	103°36'40.755"W	0.00	0.00	0.00	
21232.60†	90.000	179.648	12575.00	8423.39	-8424.39	-138.24	723758.77	374024.91	32°01'34.512"N	103°36'40.756"W	0.00	0.00	0.00	
21332.60†	90.000	179.648	12575.00	8523.39	-8524.39	-137.62	723759.38	373924.91	32°01'33.523"N	103°36'40.757"W	0.00	0.00	0.00	
21432.60†	90.000	179.648	12575.00	8623.39	-8624.39	-137.01	723760.00	373824.92	32°01'32.533"N	103°36'40.757"W	0.00	0.00	0.00	
21532.60†	90.000	179.648	12575.00	8723.39	-8724.39	-136.39	723760.61	373724.92	32°01'31.543"N	103°36'40.758"W	0.00	0.00	0.00	
21632.60†	90.000	179.648	12575.00	8823.39	-8824.39	-135.78	723761.23	373624.93	32°01'30.554"N	103°36'40.758"W	0.00	0.00	0.00	
21732.60†	90.000	179.648	12575.00	8923.39	-8924.38	-135.17	723761.84	373524.93	32°01'29.564"N	103°36'40.759"W	0.00	0.00	0.00	
21832.60†	90.000	179.648	12575.00	9023.39	-9024.38	-134.55	723762.45	373424.94	32°01'28.575"N	103°36'40.760"W	0.00	0.00	0.00	
21932.60†	90.000	179.648	12575.00	9123.39	-9124.38	-133.94	723763.07	373324.94	32°01'27.585"N	103°36'40.760"W	0.00	0.00	0.00	
22032.60†	90.000	179.648	12575.00	9223.39	-9224.38	-133.32	723763.68	373224.95	32°01'26.596"N	103°36'40.761"W	0.00	0.00	0.00	
22132.60†	90.000	179.648	12575.00	9323.39	-9324.38	-132.71	723764.30	373124.95	32°01'25.606"N	103°36'40.762"W	0.00	0.00	0.00	
22232.60†	90.000	179.648	12575.00	9423.39	-9424.37	-132.09	723764.91	373024.96	32°01'24.616"N	103°36'40.762"W	0.00	0.00	0.00	
22332.60†	90.000	179.648	12575.00	9523.39	-9524.37	-131.48	723765.52	372924.97	32°01'23.627"N	103°36'40.763"W	0.00	0.00	0.00	
22432.60†	90.000	179.648	12575.00	9623.39	-9624.37	-130.87	723766.14	372824.97	32°01'22.637"N	103°36'40.763"W	0.00	0.00	0.00	
22532.60†	90.000	179.648	12575.00	9723.39	-9724.37	-130.25	723766.75	372724.98	32°01'21.648"N	103°36'40.764"W	0.00	0.00	0.00	
22632.60†	90.000	179.648	12575.00	9823.39	-9824.37	-129.64	723767.37	372624.98	32°01'20.658"N	103°36'40.765"W	0.00	0.00	0.00	
22732.60†	90.000	179.648	12575.00	9923.39	-9924.36	-129.02	723767.98	372524.99	32°01'19.669"N	103°36'40.765"W	0.00	0.00	0.00	
22735.59	90.000	179.648	12575.00†	9926.38	-9927.35	-129.00	723768.00	372522.00	32°01'19.639"N	103°36'40.765"W	0.00	0.00	0.00	End of Tangent



Planned Wellpath Report

SD EA 18 19 Fed P14 13H Rev A.0

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 13H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 13H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 13H
Facility	SD EA 18 19 Fed 14		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) SD EA 18 19 Fed P14 13H PBHL rev 1	22735.59	12575.00	-9927.35	-129.00	723768.00	372522.00	32°01'19.639"N	103°36'40.765"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 Fed P14 13H Ref Wellpath: SD EA 18 19 Fed P14 13H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	22735.59	BHI NaviTrak (Standard)		SD EA 18 19 Fed P14 13H