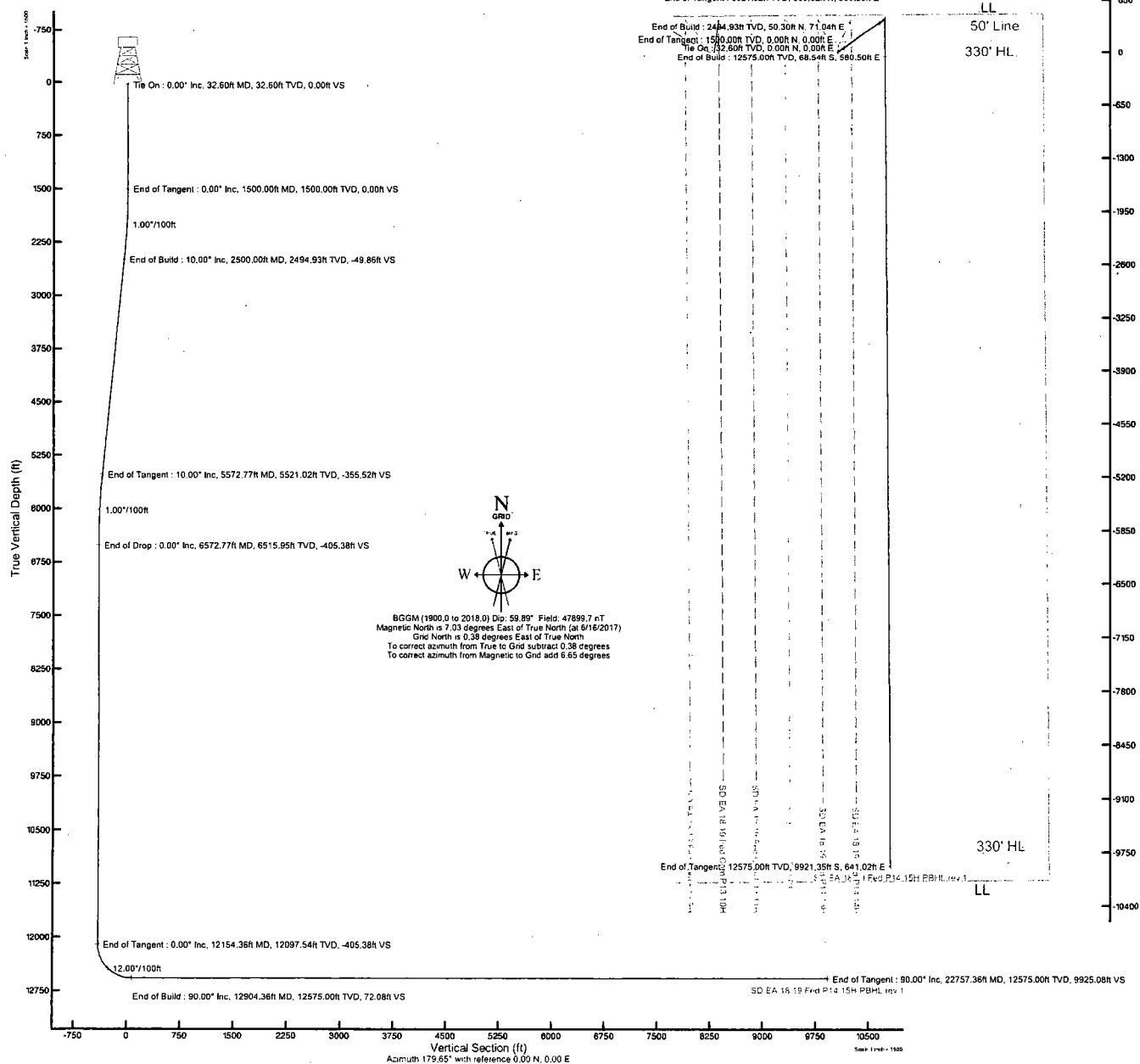






Planned Wellpath Report

SD EA 18 19 Fed P14 15H Rev A.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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 1:08:56 PM
Convergence at slot	0.38° East	Database/Source file	WA_Midland/SD_EA_18_19_Fed_P14_15H_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	1.00	75.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"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 15H)	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

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REFERENCE WELLPATH IDENTIFICATION

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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	54.701	0.00	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
32.60	0.000	54.701	32.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	Tie On
132.60†	0.000	54.701	132.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
232.60†	0.000	54.701	232.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
332.60†	0.000	54.701	332.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
432.60†	0.000	54.701	432.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
532.60†	0.000	54.701	532.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
632.60†	0.000	54.701	632.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
732.60†	0.000	54.701	732.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
832.60†	0.000	54.701	832.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
932.60†	0.000	54.701	932.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1032.60†	0.000	54.701	1032.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1132.60†	0.000	54.701	1132.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1232.60†	0.000	54.701	1232.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1332.60†	0.000	54.701	1332.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1432.60†	0.000	54.701	1432.60	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	
1500.00	0.000	54.701	1500.00	0.00	0.00	0.00	723947.00	382450.00	32°02'57.874"N	103°36'37.915"W	0.00	0.00	0.00	End of Tangent
1532.60†	0.326	54.701	1532.60	-0.05	0.05	0.08	723947.08	382450.05	32°02'57.874"N	103°36'37.914"W	1.00	1.00	167.80	
1632.60†	1.326	54.701	1632.59	-0.88	0.89	1.25	723948.25	382450.89	32°02'57.882"N	103°36'37.900"W	1.00	1.00	0.00	
1732.60†	2.326	54.701	1732.54	-2.70	2.73	3.85	723950.85	382452.73	32°02'57.900"N	103°36'37.870"W	1.00	1.00	0.00	
1832.60†	3.326	54.701	1832.41	-5.53	5.58	7.88	723954.88	382455.58	32°02'57.928"N	103°36'37.823"W	1.00	1.00	0.00	
1932.60†	4.326	54.701	1932.19	-9.35	9.43	13.32	723960.32	382459.43	32°02'57.966"N	103°36'37.759"W	1.00	1.00	0.00	
2032.60†	5.326	54.701	2031.83	-14.17	14.29	20.19	723967.19	382464.29	32°02'58.014"N	103°36'37.679"W	1.00	1.00	0.00	
2132.60†	6.326	54.701	2131.32	-19.98	20.16	28.47	723975.47	382470.16	32°02'58.071"N	103°36'37.582"W	1.00	1.00	0.00	
2232.60†	7.326	54.701	2230.61	-26.79	27.03	38.17	723985.17	382477.03	32°02'58.138"N	103°36'37.469"W	1.00	1.00	0.00	
2332.60†	8.326	54.701	2329.67	-34.59	34.89	49.29	723996.28	382484.89	32°02'58.216"N	103°36'37.339"W	1.00	1.00	0.00	
2432.60†	9.326	54.701	2428.49	-43.38	43.76	61.81	724008.81	382493.76	32°02'58.302"N	103°36'37.193"W	1.00	1.00	0.00	
2500.00	10.000	54.701	2494.93	-49.86	50.30	71.04	724018.04	382500.30	32°02'58.367"N	103°36'37.085"W	1.00	1.00	0.00	End of Build
2532.60†	10.000	54.701	2527.04	-53.11	53.57	75.66	724022.66	382503.57	32°02'58.399"N	103°36'37.031"W	0.00	0.00	0.00	
2632.60†	10.000	54.701	2625.52	-63.05	63.60	89.83	724036.83	382513.60	32°02'58.497"N	103°36'36.866"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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
2732.60†	10.000	54.701	2724.00	-73.00	73.64	104.01	724051.00	382523.63	32°02'58.595"N	103°36'36.701"W	0.00	0.00	0.00	
2832.60†	10.000	54.701	2822.48	-82.95	83.67	118.18	724065.18	382533.67	32°02'58.694"N	103°36'36.535"W	0.00	0.00	0.00	
2932.60†	10.000	54.701	2920.96	-92.89	93.71	132.35	724079.35	382543.70	32°02'58.792"N	103°36'36.370"W	0.00	0.00	0.00	
3032.60†	10.000	54.701	3019.44	-102.84	103.74	146.52	724093.52	382553.74	32°02'58.890"N	103°36'36.204"W	0.00	0.00	0.00	
3132.60†	10.000	54.701	3117.92	-112.79	113.77	160.70	724107.69	382563.77	32°02'58.989"N	103°36'36.039"W	0.00	0.00	0.00	
3232.60†	10.000	54.701	3216.40	-122.74	123.81	174.87	724121.86	382573.80	32°02'59.087"N	103°36'35.873"W	0.00	0.00	0.00	
3332.60†	10.000	54.701	3314.88	-132.68	133.84	189.04	724136.03	382583.84	32°02'59.185"N	103°36'35.708"W	0.00	0.00	0.00	
3432.60†	10.000	54.701	3413.36	-142.63	143.88	203.21	724150.21	382593.87	32°02'59.284"N	103°36'35.542"W	0.00	0.00	0.00	
3532.60†	10.000	54.701	3511.84	-152.58	153.91	217.39	724164.38	382603.90	32°02'59.382"N	103°36'35.377"W	0.00	0.00	0.00	
3632.60†	10.000	54.701	3610.32	-162.53	163.94	231.56	724178.55	382613.94	32°02'59.481"N	103°36'35.212"W	0.00	0.00	0.00	
3732.60†	10.000	54.701	3708.80	-172.47	173.98	245.73	724192.72	382623.97	32°02'59.579"N	103°36'35.046"W	0.00	0.00	0.00	
3832.60†	10.000	54.701	3807.29	-182.42	184.01	259.90	724206.89	382634.00	32°02'59.677"N	103°36'34.881"W	0.00	0.00	0.00	
3932.60†	10.000	54.701	3905.77	-192.37	194.05	274.08	724221.07	382644.04	32°02'59.776"N	103°36'34.715"W	0.00	0.00	0.00	
4032.60†	10.000	54.701	4004.25	-202.31	204.08	288.25	724235.24	382654.07	32°02'59.874"N	103°36'34.550"W	0.00	0.00	0.00	
4132.60†	10.000	54.701	4102.73	-212.26	214.11	302.42	724249.41	382664.11	32°02'59.972"N	103°36'34.384"W	0.00	0.00	0.00	
4232.60†	10.000	54.701	4201.21	-222.21	224.15	316.59	724263.58	382674.14	32°03'00.071"N	103°36'34.219"W	0.00	0.00	0.00	
4332.60†	10.000	54.701	4299.69	-232.16	234.18	330.76	724277.75	382684.17	32°03'00.169"N	103°36'34.054"W	0.00	0.00	0.00	
4432.60†	10.000	54.701	4398.17	-242.10	244.22	344.94	724291.92	382694.21	32°03'00.267"N	103°36'33.888"W	0.00	0.00	0.00	
4532.60†	10.000	54.701	4496.65	-252.05	254.25	359.11	724306.10	382704.24	32°03'00.366"N	103°36'33.723"W	0.00	0.00	0.00	
4632.60†	10.000	54.701	4595.13	-262.00	264.28	373.28	724320.27	382714.27	32°03'00.464"N	103°36'33.557"W	0.00	0.00	0.00	
4732.60†	10.000	54.701	4693.61	-271.95	274.32	387.45	724334.44	382724.31	32°03'00.562"N	103°36'33.392"W	0.00	0.00	0.00	
4832.60†	10.000	54.701	4792.09	-281.89	284.35	401.63	724348.61	382734.34	32°03'00.661"N	103°36'33.226"W	0.00	0.00	0.00	
4932.60†	10.000	54.701	4890.57	-291.84	294.39	415.80	724362.78	382744.38	32°03'00.759"N	103°36'33.061"W	0.00	0.00	0.00	
5032.60†	10.000	54.701	4989.05	-301.79	304.42	429.97	724376.96	382754.41	32°03'00.857"N	103°36'32.895"W	0.00	0.00	0.00	
5132.60†	10.000	54.701	5087.54	-311.73	314.45	444.14	724391.13	382764.44	32°03'00.956"N	103°36'32.730"W	0.00	0.00	0.00	
5232.60†	10.000	54.701	5186.02	-321.68	324.49	458.32	724405.30	382774.48	32°03'01.054"N	103°36'32.565"W	0.00	0.00	0.00	
5332.60†	10.000	54.701	5284.50	-331.63	334.52	472.49	724419.47	382784.51	32°03'01.152"N	103°36'32.399"W	0.00	0.00	0.00	
5432.60†	10.000	54.701	5382.98	-341.58	344.56	486.66	724433.64	382794.54	32°03'01.251"N	103°36'32.234"W	0.00	0.00	0.00	
5532.60†	10.000	54.701	5481.46	-351.52	354.59	500.83	724447.81	382804.58	32°03'01.349"N	103°36'32.068"W	0.00	0.00	0.00	
5572.77	10.000	54.701	5521.02	-355.52	358.62	506.53	724453.51	382808.61	32°03'01.389"N	103°36'32.002"W	0.00	0.00	0.00	End of Tangent



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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
5632.60†	9.402	54.701	5579.99	-361.29	364.45	514.75	724461.74	382814.43	32°03'01.446"N	103°36'31.906"W	1.00	-1.00	0.00	
5732.60†	8.402	54.701	5678.79	-370.16	373.39	527.38	724474.36	382823.37	32°03'01.533"N	103°36'31.758"W	1.00	-1.00	0.00	
5832.60†	7.402	54.701	5777.84	-378.03	381.33	538.60	724485.58	382831.32	32°03'01.611"N	103°36'31.627"W	1.00	-1.00	0.00	
5932.60†	6.402	54.701	5877.11	-384.92	388.27	548.41	724495.39	382838.26	32°03'01.679"N	103°36'31.513"W	1.00	-1.00	0.00	
6032.60†	5.402	54.701	5976.58	-390.81	394.22	556.80	724503.78	382844.20	32°03'01.738"N	103°36'31.415"W	1.00	-1.00	0.00	
6132.60†	4.402	54.701	6076.21	-395.70	399.15	563.77	724510.75	382849.14	32°03'01.786"N	103°36'31.334"W	1.00	-1.00	0.00	
6232.60†	3.402	54.701	6175.98	-399.60	403.08	569.33	724516.31	382853.07	32°03'01.825"N	103°36'31.269"W	1.00	-1.00	0.00	
6332.60†	2.402	54.701	6275.85	-402.50	406.01	573.46	724520.44	382856.00	32°03'01.853"N	103°36'31.220"W	1.00	-1.00	0.00	
6432.60†	1.402	54.701	6375.79	-404.40	407.93	576.17	724523.15	382857.91	32°03'01.872"N	103°36'31.189"W	1.00	-1.00	0.00	
6532.60†	0.402	54.701	6475.78	-405.30	408.84	577.45	724524.43	382858.82	32°03'01.881"N	103°36'31.174"W	1.00	-1.00	0.00	
6572.77	0.000	179.648	6515.95	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	1.00	-1.00	-136.18	End of Drop
6632.60†	0.000	179.648	6575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
6732.60†	0.000	179.648	6675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
6832.60†	0.000	179.648	6775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
6932.60†	0.000	179.648	6875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7032.60†	0.000	179.648	6975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7132.60†	0.000	179.648	7075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7232.60†	0.000	179.648	7175.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7332.60†	0.000	179.648	7275.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7432.60†	0.000	179.648	7375.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7532.60†	0.000	179.648	7475.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7632.60†	0.000	179.648	7575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7732.60†	0.000	179.648	7675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7832.60†	0.000	179.648	7775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
7932.60†	0.000	179.648	7875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8032.60†	0.000	179.648	7975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8132.60†	0.000	179.648	8075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8232.60†	0.000	179.648	8175.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8332.60†	0.000	179.648	8275.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8432.60†	0.000	179.648	8375.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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	8475.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8632.60†	0.000	179.648	8575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8732.60†	0.000	179.648	8675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8832.60†	0.000	179.648	8775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
8932.60†	0.000	179.648	8875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9032.60†	0.000	179.648	8975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9132.60†	0.000	179.648	9075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9232.60†	0.000	179.648	9175.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9332.60†	0.000	179.648	9275.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9432.60†	0.000	179.648	9375.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9532.60†	0.000	179.648	9475.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9632.60†	0.000	179.648	9575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9732.60†	0.000	179.648	9675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9832.60†	0.000	179.648	9775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
9932.60†	0.000	179.648	9875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10032.60†	0.000	179.648	9975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10132.60†	0.000	179.648	10075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10232.60†	0.000	179.648	10175.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10332.60†	0.000	179.648	10275.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10432.60†	0.000	179.648	10375.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10532.60†	0.000	179.648	10475.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10632.60†	0.000	179.648	10575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10732.60†	0.000	179.648	10675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10832.60†	0.000	179.648	10775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
10932.60†	0.000	179.648	10875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11032.60†	0.000	179.648	10975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11132.60†	0.000	179.648	11075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11232.60†	0.000	179.648	11175.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11332.60†	0.000	179.648	11275.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11432.60†	0.000	179.648	11375.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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	11475.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11632.60†	0.000	179.648	11575.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11732.60†	0.000	179.648	11675.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11832.60†	0.000	179.648	11775.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
11932.60†	0.000	179.648	11875.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
12032.60†	0.000	179.648	11975.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
12132.60†	0.000	179.648	12075.78	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	
12154.36	0.000	179.648	12097.54	-405.38	408.92	577.57	724524.55	382858.90	32°03'01.882"N	103°36'31.173"W	0.00	0.00	0.00	End of Tangent
12232.60†	9.389	179.648	12175.43	-398.99	402.52	577.61	724524.59	382852.51	32°03'01.818"N	103°36'31.173"W	12.00	12.00	229.60	
12332.60†	21.389	179.648	12271.67	-372.50	376.03	577.77	724524.75	382826.02	32°03'01.556"N	103°36'31.173"W	12.00	12.00	0.00	
12432.60†	33.389	179.648	12360.30	-326.58	330.11	578.05	724525.03	382780.10	32°03'01.102"N	103°36'31.173"W	12.00	12.00	0.00	
12532.60†	45.389	179.648	12437.44	-263.23	266.77	578.44	724525.42	382716.76	32°03'00.475"N	103°36'31.173"W	12.00	12.00	0.00	
12632.60†	57.389	179.648	12499.73	-185.24	188.78	578.92	724525.90	382638.77	32°02'59.703"N	103°36'31.174"W	12.00	12.00	0.00	
12732.60†	69.389	179.648	12544.44	-95.99	99.53	579.47	724526.45	382549.53	32°02'58.820"N	103°36'31.175"W	12.00	12.00	0.00	
12832.60†	81.389	179.648	12569.62	0.60	2.95	580.06	724527.04	382452.95	32°02'57.864"N	103°36'31.175"W	12.00	12.00	0.00	
12904.36	90.000	179.648	12575.00	72.08	-68.54	580.50	724527.48	382381.46	32°02'57.157"N	103°36'31.176"W	12.00	12.00	0.00	End of Build
12932.60†	90.000	179.648	12575.00	100.33	-96.78	580.67	724527.65	382353.22	32°02'56.877"N	103°36'31.176"W	0.00	0.00	0.00	
13032.60†	90.000	179.648	12575.00	200.33	-196.78	581.29	724528.27	382253.23	32°02'55.888"N	103°36'31.177"W	0.00	0.00	0.00	
13132.60†	90.000	179.648	12575.00	300.33	-296.78	581.90	724528.88	382153.23	32°02'54.898"N	103°36'31.177"W	0.00	0.00	0.00	
13232.60†	90.000	179.648	12575.00	400.33	-396.78	582.52	724529.50	382053.24	32°02'53.909"N	103°36'31.178"W	0.00	0.00	0.00	
13332.60†	90.000	179.648	12575.00	500.33	-496.77	583.13	724530.11	381953.24	32°02'52.919"N	103°36'31.179"W	0.00	0.00	0.00	
13432.60†	90.000	179.648	12575.00	600.33	-596.77	583.74	724530.72	381853.25	32°02'51.929"N	103°36'31.179"W	0.00	0.00	0.00	
13532.60†	90.000	179.648	12575.00	700.33	-696.77	584.36	724531.34	381753.25	32°02'50.940"N	103°36'31.180"W	0.00	0.00	0.00	
13632.60†	90.000	179.648	12575.00	800.33	-796.77	584.97	724531.95	381653.26	32°02'49.950"N	103°36'31.181"W	0.00	0.00	0.00	
13732.60†	90.000	179.648	12575.00	900.33	-896.77	585.59	724532.57	381553.27	32°02'48.961"N	103°36'31.181"W	0.00	0.00	0.00	
13832.60†	90.000	179.648	12575.00	1000.33	-996.76	586.20	724533.18	381453.27	32°02'47.971"N	103°36'31.182"W	0.00	0.00	0.00	
13932.60†	90.000	179.648	12575.00	1100.33	-1096.76	586.82	724533.80	381353.28	32°02'46.982"N	103°36'31.182"W	0.00	0.00	0.00	
14032.60†	90.000	179.648	12575.00	1200.33	-1196.76	587.43	724534.41	381253.28	32°02'45.992"N	103°36'31.183"W	0.00	0.00	0.00	
14132.60†	90.000	179.648	12575.00	1300.33	-1296.76	588.04	724535.02	381153.29	32°02'45.002"N	103°36'31.184"W	0.00	0.00	0.00	
14232.60†	90.000	179.648	12575.00	1400.33	-1396.76	588.66	724535.64	381053.29	32°02'44.013"N	103°36'31.184"W	0.00	0.00	0.00	



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Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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	1500.33	-1496.75	589.27	724536.25	380953.30	32°02'43.023"N	103°36'31.185"W	0.00	0.00	0.00	
14432.60†	90.000	179.648	12575.00	1600.33	-1596.75	589.89	724536.87	380853.30	32°02'42.034"N	103°36'31.186"W	0.00	0.00	0.00	
14532.60†	90.000	179.648	12575.00	1700.33	-1696.75	590.50	724537.48	380753.31	32°02'41.044"N	103°36'31.186"W	0.00	0.00	0.00	
14632.60†	90.000	179.648	12575.00	1800.33	-1796.75	591.12	724538.10	380653.31	32°02'40.055"N	103°36'31.187"W	0.00	0.00	0.00	
14732.60†	90.000	179.648	12575.00	1900.33	-1896.75	591.73	724538.71	380553.32	32°02'39.065"N	103°36'31.188"W	0.00	0.00	0.00	
14832.60†	90.000	179.648	12575.00	2000.33	-1996.75	592.34	724539.32	380453.33	32°02'38.075"N	103°36'31.188"W	0.00	0.00	0.00	
14932.60†	90.000	179.648	12575.00	2100.33	-2096.74	592.96	724539.94	380353.33	32°02'37.086"N	103°36'31.189"W	0.00	0.00	0.00	
15032.60†	90.000	179.648	12575.00	2200.33	-2196.74	593.57	724540.55	380253.34	32°02'36.096"N	103°36'31.190"W	0.00	0.00	0.00	
15132.60†	90.000	179.648	12575.00	2300.33	-2296.74	594.19	724541.17	380153.34	32°02'35.107"N	103°36'31.190"W	0.00	0.00	0.00	
15232.60†	90.000	179.648	12575.00	2400.33	-2396.74	594.80	724541.78	380053.35	32°02'34.117"N	103°36'31.191"W	0.00	0.00	0.00	
15332.60†	90.000	179.648	12575.00	2500.33	-2496.74	595.42	724542.39	379953.35	32°02'33.128"N	103°36'31.192"W	0.00	0.00	0.00	
15432.60†	90.000	179.648	12575.00	2600.33	-2596.73	596.03	724543.01	379853.36	32°02'32.138"N	103°36'31.192"W	0.00	0.00	0.00	
15532.60†	90.000	179.648	12575.00	2700.33	-2696.73	596.64	724543.62	379753.36	32°02'31.148"N	103°36'31.193"W	0.00	0.00	0.00	
15632.60†	90.000	179.648	12575.00	2800.33	-2796.73	597.26	724544.24	379653.37	32°02'30.159"N	103°36'31.194"W	0.00	0.00	0.00	
15732.60†	90.000	179.648	12575.00	2900.33	-2896.73	597.87	724544.85	379553.37	32°02'29.169"N	103°36'31.194"W	0.00	0.00	0.00	
15832.60†	90.000	179.648	12575.00	3000.33	-2996.73	598.49	724545.47	379453.38	32°02'28.180"N	103°36'31.195"W	0.00	0.00	0.00	
15932.60†	90.000	179.648	12575.00	3100.33	-3096.72	599.10	724546.08	379353.39	32°02'27.190"N	103°36'31.196"W	0.00	0.00	0.00	
16032.60†	90.000	179.648	12575.00	3200.33	-3196.72	599.72	724546.69	379253.39	32°02'26.201"N	103°36'31.196"W	0.00	0.00	0.00	
16132.60†	90.000	179.648	12575.00	3300.33	-3296.72	600.33	724547.31	379153.40	32°02'25.211"N	103°36'31.197"W	0.00	0.00	0.00	
16232.60†	90.000	179.648	12575.00	3400.33	-3396.72	600.94	724547.92	379053.40	32°02'24.221"N	103°36'31.198"W	0.00	0.00	0.00	
16332.60†	90.000	179.648	12575.00	3500.33	-3496.72	601.56	724548.54	378953.41	32°02'23.232"N	103°36'31.198"W	0.00	0.00	0.00	
16432.60†	90.000	179.648	12575.00	3600.33	-3596.72	602.17	724549.15	378853.41	32°02'22.242"N	103°36'31.199"W	0.00	0.00	0.00	
16532.60†	90.000	179.648	12575.00	3700.33	-3696.71	602.79	724549.77	378753.42	32°02'21.253"N	103°36'31.200"W	0.00	0.00	0.00	
16632.60†	90.000	179.648	12575.00	3800.33	-3796.71	603.40	724550.38	378653.42	32°02'20.263"N	103°36'31.200"W	0.00	0.00	0.00	
16732.60†	90.000	179.648	12575.00	3900.33	-3896.71	604.02	724550.99	378553.43	32°02'19.274"N	103°36'31.201"W	0.00	0.00	0.00	
16832.60†	90.000	179.648	12575.00	4000.33	-3996.71	604.63	724551.61	378453.43	32°02'18.284"N	103°36'31.202"W	0.00	0.00	0.00	
16932.60†	90.000	179.648	12575.00	4100.33	-4096.71	605.24	724552.22	378353.44	32°02'17.294"N	103°36'31.202"W	0.00	0.00	0.00	
17032.60†	90.000	179.648	12575.00	4200.33	-4196.70	605.86	724552.84	378253.44	32°02'16.305"N	103°36'31.203"W	0.00	0.00	0.00	
17132.60†	90.000	179.648	12575.00	4300.33	-4296.70	606.47	724553.45	378153.45	32°02'15.315"N	103°36'31.204"W	0.00	0.00	0.00	
17232.60†	90.000	179.648	12575.00	4400.33	-4396.70	607.09	724554.07	378053.46	32°02'14.326"N	103°36'31.204"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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	4500.33	-4496.70	607.70	724554.68	377953.46	32°02'13.336"N	103°36'31.205"W	0.00	0.00	0.00	
17432.60†	90.000	179.648	12575.00	4600.33	-4596.70	608.32	724555.29	377853.47	32°02'12.346"N	103°36'31.206"W	0.00	0.00	0.00	
17532.60†	90.000	179.648	12575.00	4700.33	-4696.69	608.93	724555.91	377753.47	32°02'11.357"N	103°36'31.206"W	0.00	0.00	0.00	
17632.60†	90.000	179.648	12575.00	4800.33	-4796.69	609.54	724556.52	377653.48	32°02'10.367"N	103°36'31.207"W	0.00	0.00	0.00	
17732.60†	90.000	179.648	12575.00	4900.33	-4896.69	610.16	724557.14	377553.48	32°02'09.378"N	103°36'31.208"W	0.00	0.00	0.00	
17832.60†	90.000	179.648	12575.00	5000.33	-4996.69	610.77	724557.75	377453.49	32°02'08.388"N	103°36'31.208"W	0.00	0.00	0.00	
17932.60†	90.000	179.648	12575.00	5100.33	-5096.69	611.39	724558.36	377353.49	32°02'07.399"N	103°36'31.209"W	0.00	0.00	0.00	
18032.60†	90.000	179.648	12575.00	5200.33	-5196.69	612.00	724558.98	377253.50	32°02'06.409"N	103°36'31.210"W	0.00	0.00	0.00	
18132.60†	90.000	179.648	12575.00	5300.33	-5296.68	612.61	724559.59	377153.50	32°02'05.419"N	103°36'31.210"W	0.00	0.00	0.00	
18232.60†	90.000	179.648	12575.00	5400.33	-5396.68	613.23	724560.21	377053.51	32°02'04.430"N	103°36'31.211"W	0.00	0.00	0.00	
18332.60†	90.000	179.648	12575.00	5500.33	-5496.68	613.84	724560.82	376953.52	32°02'03.440"N	103°36'31.212"W	0.00	0.00	0.00	
18432.60†	90.000	179.648	12575.00	5600.33	-5596.68	614.46	724561.44	376853.52	32°02'02.451"N	103°36'31.212"W	0.00	0.00	0.00	
18532.60†	90.000	179.648	12575.00	5700.33	-5696.68	615.07	724562.05	376753.53	32°02'01.461"N	103°36'31.213"W	0.00	0.00	0.00	
18632.60†	90.000	179.648	12575.00	5800.33	-5796.67	615.69	724562.66	376653.53	32°02'00.472"N	103°36'31.213"W	0.00	0.00	0.00	
18732.60†	90.000	179.648	12575.00	5900.33	-5896.67	616.30	724563.28	376553.54	32°01'59.482"N	103°36'31.214"W	0.00	0.00	0.00	
18832.60†	90.000	179.648	12575.00	6000.33	-5996.67	616.91	724563.89	376453.54	32°01'58.492"N	103°36'31.215"W	0.00	0.00	0.00	
18932.60†	90.000	179.648	12575.00	6100.33	-6096.67	617.53	724564.51	376353.55	32°01'57.503"N	103°36'31.215"W	0.00	0.00	0.00	
19032.60†	90.000	179.648	12575.00	6200.33	-6196.67	618.14	724565.12	376253.55	32°01'56.513"N	103°36'31.216"W	0.00	0.00	0.00	
19132.60†	90.000	179.648	12575.00	6300.33	-6296.66	618.76	724565.74	376153.56	32°01'55.524"N	103°36'31.217"W	0.00	0.00	0.00	
19232.60†	90.000	179.648	12575.00	6400.33	-6396.66	619.37	724566.35	376053.56	32°01'54.534"N	103°36'31.217"W	0.00	0.00	0.00	
19332.60†	90.000	179.648	12575.00	6500.33	-6496.66	619.99	724566.96	375953.57	32°01'53.545"N	103°36'31.218"W	0.00	0.00	0.00	
19432.60†	90.000	179.648	12575.00	6600.33	-6596.66	620.60	724567.58	375853.58	32°01'52.555"N	103°36'31.219"W	0.00	0.00	0.00	
19532.60†	90.000	179.648	12575.00	6700.33	-6696.66	621.21	724568.19	375753.58	32°01'51.565"N	103°36'31.219"W	0.00	0.00	0.00	
19632.60†	90.000	179.648	12575.00	6800.33	-6796.65	621.83	724568.81	375653.59	32°01'50.576"N	103°36'31.220"W	0.00	0.00	0.00	
19732.60†	90.000	179.648	12575.00	6900.33	-6896.65	622.44	724569.42	375553.59	32°01'49.586"N	103°36'31.221"W	0.00	0.00	0.00	
19832.60†	90.000	179.648	12575.00	7000.33	-6996.65	623.06	724570.04	375453.60	32°01'48.597"N	103°36'31.221"W	0.00	0.00	0.00	
19932.60†	90.000	179.648	12575.00	7100.33	-7096.65	623.67	724570.65	375353.60	32°01'47.607"N	103°36'31.222"W	0.00	0.00	0.00	
20032.60†	90.000	179.648	12575.00	7200.33	-7196.65	624.29	724571.26	375253.61	32°01'46.617"N	103°36'31.223"W	0.00	0.00	0.00	
20132.60†	90.000	179.648	12575.00	7300.33	-7296.65	624.90	724571.88	375153.61	32°01'45.628"N	103°36'31.223"W	0.00	0.00	0.00	
20232.60†	90.000	179.648	12575.00	7400.33	-7396.64	625.51	724572.49	375053.62	32°01'44.638"N	103°36'31.224"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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	7500.33	-7496.64	626.13	724573.11	374953.62	32°01'43.649"N	103°36'31.225"W	0.00	0.00	0.00	
20432.60†	90.000	179.648	12575.00	7600.33	-7596.64	626.74	724573.72	374853.63	32°01'42.659"N	103°36'31.225"W	0.00	0.00	0.00	
20532.60†	90.000	179.648	12575.00	7700.33	-7696.64	627.36	724574.33	374753.64	32°01'41.670"N	103°36'31.226"W	0.00	0.00	0.00	
20632.60†	90.000	179.648	12575.00	7800.33	-7796.64	627.97	724574.95	374653.64	32°01'40.680"N	103°36'31.227"W	0.00	0.00	0.00	
20732.60†	90.000	179.648	12575.00	7900.33	-7896.63	628.59	724575.56	374553.65	32°01'39.690"N	103°36'31.227"W	0.00	0.00	0.00	
20832.60†	90.000	179.648	12575.00	8000.33	-7996.63	629.20	724576.18	374453.65	32°01'38.701"N	103°36'31.228"W	0.00	0.00	0.00	
20932.60†	90.000	179.648	12575.00	8100.33	-8096.63	629.81	724576.79	374353.66	32°01'37.711"N	103°36'31.229"W	0.00	0.00	0.00	
21032.60†	90.000	179.648	12575.00	8200.33	-8196.63	630.43	724577.41	374253.66	32°01'36.722"N	103°36'31.229"W	0.00	0.00	0.00	
21132.60†	90.000	179.648	12575.00	8300.33	-8296.63	631.04	724578.02	374153.67	32°01'35.732"N	103°36'31.230"W	0.00	0.00	0.00	
21232.60†	90.000	179.648	12575.00	8400.33	-8396.62	631.66	724578.63	374053.67	32°01'34.743"N	103°36'31.231"W	0.00	0.00	0.00	
21332.60†	90.000	179.648	12575.00	8500.33	-8496.62	632.27	724579.25	373953.68	32°01'33.753"N	103°36'31.231"W	0.00	0.00	0.00	
21432.60†	90.000	179.648	12575.00	8600.33	-8596.62	632.89	724579.86	373853.68	32°01'32.763"N	103°36'31.232"W	0.00	0.00	0.00	
21532.60†	90.000	179.648	12575.00	8700.33	-8696.62	633.50	724580.48	373753.69	32°01'31.774"N	103°36'31.233"W	0.00	0.00	0.00	
21632.60†	90.000	179.648	12575.00	8800.33	-8796.62	634.11	724581.09	373653.69	32°01'30.784"N	103°36'31.233"W	0.00	0.00	0.00	
21732.60†	90.000	179.648	12575.00	8900.33	-8896.62	634.73	724581.71	373553.70	32°01'29.795"N	103°36'31.234"W	0.00	0.00	0.00	
21832.60†	90.000	179.648	12575.00	9000.33	-8996.61	635.34	724582.32	373453.71	32°01'28.805"N	103°36'31.234"W	0.00	0.00	0.00	
21932.60†	90.000	179.648	12575.00	9100.33	-9096.61	635.96	724582.93	373353.71	32°01'27.816"N	103°36'31.235"W	0.00	0.00	0.00	
22032.60†	90.000	179.648	12575.00	9200.33	-9196.61	636.57	724583.55	373253.72	32°01'26.826"N	103°36'31.236"W	0.00	0.00	0.00	
22132.60†	90.000	179.648	12575.00	9300.33	-9296.61	637.19	724584.16	373153.72	32°01'25.836"N	103°36'31.236"W	0.00	0.00	0.00	
22232.60†	90.000	179.648	12575.00	9400.33	-9396.61	637.80	724584.78	373053.73	32°01'24.847"N	103°36'31.237"W	0.00	0.00	0.00	
22332.60†	90.000	179.648	12575.00	9500.33	-9496.60	638.41	724585.39	372953.73	32°01'23.857"N	103°36'31.238"W	0.00	0.00	0.00	
22432.60†	90.000	179.648	12575.00	9600.33	-9596.60	639.03	724586.01	372853.74	32°01'22.868"N	103°36'31.238"W	0.00	0.00	0.00	
22532.60†	90.000	179.648	12575.00	9700.33	-9696.60	639.64	724586.62	372753.74	32°01'21.878"N	103°36'31.239"W	0.00	0.00	0.00	
22632.60†	90.000	179.648	12575.00	9800.33	-9796.60	640.26	724587.23	372653.75	32°01'20.888"N	103°36'31.240"W	0.00	0.00	0.00	
22732.60†	90.000	179.648	12575.00	9900.33	-9896.60	640.87	724587.85	372553.75	32°01'19.899"N	103°36'31.240"W	0.00	0.00	0.00	
22757.36	90.000	179.648	12575.00†	9925.08	-9921.35	641.02	724588.00	372529.00	32°01'19.654"N	103°36'31.241"W	0.00	0.00	0.00	End of Tangent



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed P14 15H
Area	Lea County, NM	Well	SD EA 18 19 Fed P14 15H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed P14 15H
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 15H PBHL rev 1	22757.36	12575.00	-9921.35	641.02	724588.00	372529.00	32°01'19.654"N	103°36'31.241"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 Fed P14 15H Ref Wellpath: SD EA 18 19 Fed P14 15H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	22757.36	BHI NaviTrak (Standard)		SD EA 18 19 Fed P14 15H