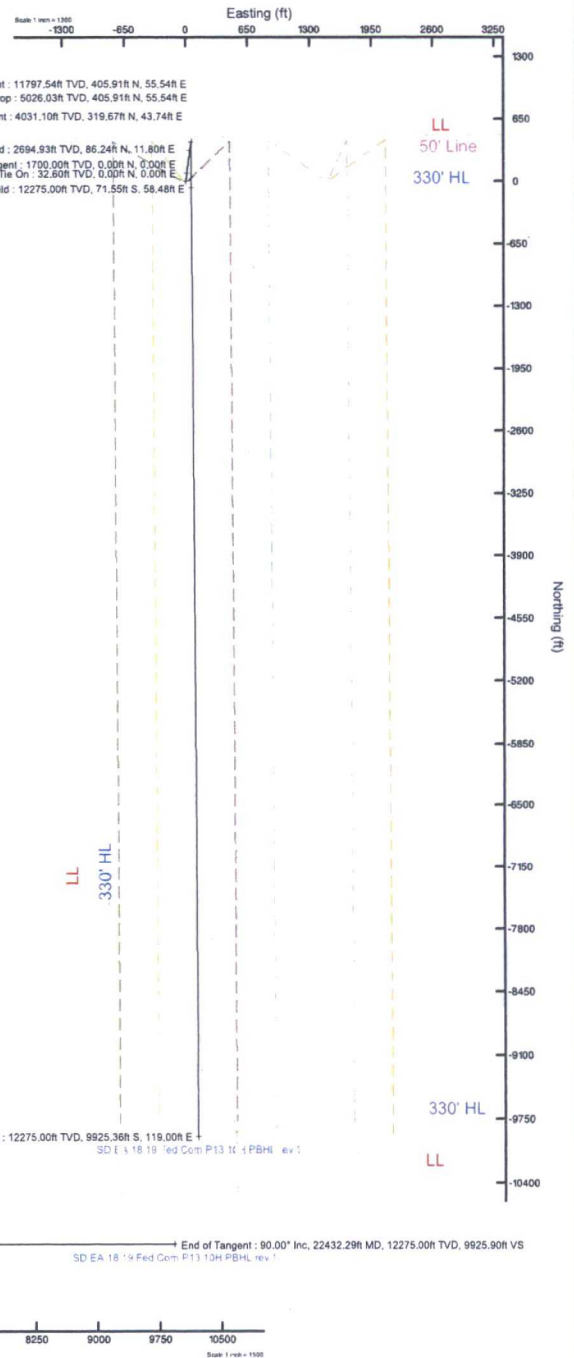




NOTE: FIELD SHOULD BE UPPER WOLFCAMP



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

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	0.999966	Report Generated	6/16/2017 at 12:51:50 PM
Convergence at slot	0.38° East	Database/Source file	WA_Midland/SD_EA_18_19_Fed_Com_P13_10H_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	50.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W
Facility Reference Pt			722369.00	382438.00	32°02'57.859"N	103°36'56.249"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	3254.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3254.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 18 19 Fed Com P13- 10H)	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°



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REFERENCE WELLPATH IDENTIFICATION

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Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	7.792	0.00	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
32.60	0.000	7.792	32.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	Tie On
132.60†	0.000	7.792	132.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
232.60†	0.000	7.792	232.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
332.60†	0.000	7.792	332.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
432.60†	0.000	7.792	432.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
532.60†	0.000	7.792	532.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
632.60†	0.000	7.792	632.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
732.60†	0.000	7.792	732.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
832.60†	0.000	7.792	832.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
932.60†	0.000	7.792	932.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1032.60†	0.000	7.792	1032.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1132.60†	0.000	7.792	1132.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1232.60†	0.000	7.792	1232.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1332.60†	0.000	7.792	1332.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1432.60†	0.000	7.792	1432.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1532.60†	0.000	7.792	1532.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1632.60†	0.000	7.792	1632.60	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	
1700.00	0.000	7.792	1700.00	0.00	0.00	0.00	722419.00	382438.00	32°02'57.856"N	103°36'55.668"W	0.00	0.00	0.00	End of Tangent
1732.60†	0.326	7.792	1732.60	-0.09	0.09	0.01	722419.01	382438.09	32°02'57.857"N	103°36'55.668"W	1.00	1.00	23.90	
1832.60†	1.326	7.792	1832.59	-1.52	1.52	0.21	722419.21	382439.52	32°02'57.871"N	103°36'55.666"W	1.00	1.00	0.00	
1932.60†	2.326	7.792	1932.54	-4.67	4.68	0.64	722419.64	382442.68	32°02'57.902"N	103°36'55.661"W	1.00	1.00	0.00	
2032.60†	3.326	7.792	2032.41	-9.55	9.56	1.31	722420.31	382447.56	32°02'57.950"N	103°36'55.653"W	1.00	1.00	0.00	
2132.60†	4.326	7.792	2132.19	-16.16	16.17	2.21	722421.21	382454.17	32°02'58.016"N	103°36'55.642"W	1.00	1.00	0.00	
2232.60†	5.326	7.792	2231.83	-24.49	24.51	3.35	722422.35	382462.51	32°02'58.098"N	103°36'55.628"W	1.00	1.00	0.00	
2332.60†	6.326	7.792	2331.32	-34.54	34.56	4.73	722423.73	382472.56	32°02'58.197"N	103°36'55.611"W	1.00	1.00	0.00	
2432.60†	7.326	7.792	2430.61	-46.30	46.34	6.34	722425.34	382484.34	32°02'58.314"N	103°36'55.591"W	1.00	1.00	0.00	
2532.60†	8.326	7.792	2529.67	-59.78	59.83	8.19	722427.19	382497.83	32°02'58.447"N	103°36'55.569"W	1.00	1.00	0.00	
2632.60†	9.326	7.792	2628.49	-74.97	75.03	10.27	722429.27	382513.03	32°02'58.597"N	103°36'55.543"W	1.00	1.00	0.00	
2700.00	10.000	7.792	2694.93	-86.17	86.24	11.80	722430.80	382524.24	32°02'58.708"N	103°36'55.525"W	1.00	1.00	0.00	End of Build



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	7.792	2727.04	-91.77	91.85	12.57	722431.57	382529.85	32°02'58.764"N	103°36'55.515"W	0.00	0.00	0.00	
2832.60†	10.000	7.792	2825.52	-108.96	109.05	14.92	722433.92	382547.05	32°02'58.934"N	103°36'55.487"W	0.00	0.00	0.00	
2932.60†	10.000	7.792	2924.00	-126.15	126.26	17.28	722436.28	382564.25	32°02'59.104"N	103°36'55.458"W	0.00	0.00	0.00	
3032.60†	10.000	7.792	3022.48	-143.34	143.46	19.63	722438.63	382581.46	32°02'59.274"N	103°36'55.429"W	0.00	0.00	0.00	
3132.60†	10.000	7.792	3120.96	-160.53	160.67	21.99	722440.98	382598.66	32°02'59.444"N	103°36'55.401"W	0.00	0.00	0.00	
3232.60†	10.000	7.792	3219.44	-177.72	177.87	24.34	722443.34	382615.87	32°02'59.614"N	103°36'55.372"W	0.00	0.00	0.00	
3332.60†	10.000	7.792	3317.92	-194.91	195.08	26.69	722445.69	382633.07	32°02'59.784"N	103°36'55.343"W	0.00	0.00	0.00	
3432.60†	10.000	7.792	3416.40	-212.10	212.28	29.05	722448.05	382650.27	32°02'59.954"N	103°36'55.315"W	0.00	0.00	0.00	
3532.60†	10.000	7.792	3514.88	-229.29	229.49	31.40	722450.40	382667.48	32°03'00.125"N	103°36'55.286"W	0.00	0.00	0.00	
3632.60†	10.000	7.792	3613.36	-246.48	246.69	33.76	722452.75	382684.68	32°03'00.295"N	103°36'55.257"W	0.00	0.00	0.00	
3732.60†	10.000	7.792	3711.84	-263.67	263.90	36.11	722455.11	382701.89	32°03'00.465"N	103°36'55.229"W	0.00	0.00	0.00	
3832.60†	10.000	7.792	3810.32	-280.86	281.10	38.46	722457.46	382719.09	32°03'00.635"N	103°36'55.200"W	0.00	0.00	0.00	
3932.60†	10.000	7.792	3908.80	-298.05	298.30	40.82	722459.82	382736.29	32°03'00.805"N	103°36'55.171"W	0.00	0.00	0.00	
4032.60†	10.000	7.792	4007.29	-315.24	315.51	43.17	722462.17	382753.50	32°03'00.975"N	103°36'55.143"W	0.00	0.00	0.00	
4056.78	10.000	7.792	4031.10	-319.40	319.67	43.74	722462.74	382757.66	32°03'01.016"N	103°36'55.136"W	0.00	0.00	0.00	End of Tangent
4132.60†	9.242	7.792	4105.85	-331.94	332.22	45.46	722464.46	382770.21	32°03'01.140"N	103°36'55.115"W	1.00	-1.00	0.00	
4232.60†	8.242	7.792	4204.69	-346.98	347.28	47.52	722466.52	382785.27	32°03'01.289"N	103°36'55.090"W	1.00	-1.00	0.00	
4332.60†	7.242	7.792	4303.78	-360.32	360.63	49.35	722468.34	382798.61	32°03'01.421"N	103°36'55.067"W	1.00	-1.00	0.00	
4432.60†	6.242	7.792	4403.08	-371.94	372.26	50.94	722469.94	382810.24	32°03'01.536"N	103°36'55.048"W	1.00	-1.00	0.00	
4532.60†	5.242	7.792	4502.58	-381.84	382.17	52.29	722471.29	382820.16	32°03'01.634"N	103°36'55.031"W	1.00	-1.00	0.00	
4632.60†	4.242	7.792	4602.24	-390.03	390.36	53.42	722472.41	382828.35	32°03'01.715"N	103°36'55.018"W	1.00	-1.00	0.00	
4732.60†	3.242	7.792	4702.02	-396.49	396.83	54.30	722473.30	382834.81	32°03'01.779"N	103°36'55.007"W	1.00	-1.00	0.00	
4832.60†	2.242	7.792	4801.91	-401.22	401.57	54.95	722473.95	382839.55	32°03'01.826"N	103°36'54.999"W	1.00	-1.00	0.00	
4932.60†	1.242	7.792	4901.86	-404.23	404.58	55.36	722474.36	382842.56	32°03'01.856"N	103°36'54.994"W	1.00	-1.00	0.00	
5032.60†	0.242	7.792	5001.85	-405.51	405.86	55.54	722474.53	382843.84	32°03'01.868"N	103°36'54.992"W	1.00	-1.00	0.00	
5056.78	0.000	179.648	5026.03	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	1.00	-1.00	-32.22	End of Drop
5132.60†	0.000	179.648	5101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5232.60†	0.000	179.648	5201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5332.60†	0.000	179.648	5301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5432.60†	0.000	179.648	5401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"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 Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	5501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5632.60†	0.000	179.648	5601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5732.60†	0.000	179.648	5701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5832.60†	0.000	179.648	5801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
5932.60†	0.000	179.648	5901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6032.60†	0.000	179.648	6001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6132.60†	0.000	179.648	6101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6232.60†	0.000	179.648	6201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6332.60†	0.000	179.648	6301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6432.60†	0.000	179.648	6401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6532.60†	0.000	179.648	6501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6632.60†	0.000	179.648	6601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6732.60†	0.000	179.648	6701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6832.60†	0.000	179.648	6801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
6932.60†	0.000	179.648	6901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7032.60†	0.000	179.648	7001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7132.60†	0.000	179.648	7101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7232.60†	0.000	179.648	7201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7332.60†	0.000	179.648	7301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7432.60†	0.000	179.648	7401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7532.60†	0.000	179.648	7501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7632.60†	0.000	179.648	7601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7732.60†	0.000	179.648	7701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7832.60†	0.000	179.648	7801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
7932.60†	0.000	179.648	7901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8032.60†	0.000	179.648	8001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8132.60†	0.000	179.648	8101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8232.60†	0.000	179.648	8201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8332.60†	0.000	179.648	8301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8432.60†	0.000	179.648	8401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"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 Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	8501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8632.60†	0.000	179.648	8601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8732.60†	0.000	179.648	8701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8832.60†	0.000	179.648	8801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
8932.60†	0.000	179.648	8901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9032.60†	0.000	179.648	9001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9132.60†	0.000	179.648	9101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9232.60†	0.000	179.648	9201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9332.60†	0.000	179.648	9301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9432.60†	0.000	179.648	9401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9532.60†	0.000	179.648	9501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9632.60†	0.000	179.648	9601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9732.60†	0.000	179.648	9701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9832.60†	0.000	179.648	9801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
9932.60†	0.000	179.648	9901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10032.60†	0.000	179.648	10001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10132.60†	0.000	179.648	10101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10232.60†	0.000	179.648	10201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10332.60†	0.000	179.648	10301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10432.60†	0.000	179.648	10401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10532.60†	0.000	179.648	10501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10632.60†	0.000	179.648	10601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10732.60†	0.000	179.648	10701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10832.60†	0.000	179.648	10801.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
10932.60†	0.000	179.648	10901.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11032.60†	0.000	179.648	11001.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11132.60†	0.000	179.648	11101.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11232.60†	0.000	179.648	11201.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11332.60†	0.000	179.648	11301.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11432.60†	0.000	179.648	11401.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"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 Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	11501.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11632.60†	0.000	179.648	11601.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11732.60†	0.000	179.648	11701.85	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	
11828.29	0.000	179.648	11797.54	-405.56	405.91	55.54	722474.54	382843.90	32°03'01.869"N	103°36'54.992"W	0.00	0.00	0.00	End of Tangent
11832.60†	0.518	179.648	11801.85	-405.54	405.89	55.54	722474.54	382843.88	32°03'01.869"N	103°36'54.992"W	12.00	12.00	4164.47	
11932.60†	12.518	179.648	11901.02	-394.21	394.56	55.61	722474.61	382832.55	32°03'01.756"N	103°36'54.992"W	12.00	12.00	0.00	
12032.60†	24.518	179.648	11995.67	-362.51	362.86	55.81	722474.81	382800.85	32°03'01.443"N	103°36'54.992"W	12.00	12.00	0.00	
12132.60†	36.518	179.648	12081.66	-311.82	312.17	56.12	722475.12	382750.16	32°03'00.941"N	103°36'54.992"W	12.00	12.00	0.00	
12232.60†	48.518	179.648	12155.23	-244.37	244.72	56.53	722475.53	382682.71	32°03'00.274"N	103°36'54.993"W	12.00	12.00	0.00	
12332.60†	60.518	179.648	12213.17	-163.09	163.44	57.03	722476.03	382601.43	32°02'59.469"N	103°36'54.993"W	12.00	12.00	0.00	
12432.60†	72.518	179.648	12252.95	-71.53	71.89	57.59	722476.59	382509.89	32°02'58.563"N	103°36'54.994"W	12.00	12.00	0.00	
12532.60†	84.518	179.648	12272.82	26.28	-25.93	58.20	722477.19	382412.07	32°02'57.595"N	103°36'54.994"W	12.00	12.00	0.00	
12578.29	90.000	179.648	12275.00	71.90	-71.55	58.48	722477.47	382366.46	32°02'57.144"N	103°36'54.995"W	12.00	12.00	0.00	End of Build
12632.60†	90.000	179.648	12275.00	126.22	-125.86	58.81	722477.81	382312.15	32°02'56.606"N	103°36'54.995"W	0.00	0.00	0.00	
12732.60†	90.000	179.648	12275.00	226.22	-225.86	59.42	722478.42	382212.15	32°02'55.617"N	103°36'54.996"W	0.00	0.00	0.00	
12832.60†	90.000	179.648	12275.00	326.22	-325.85	60.04	722479.04	382112.16	32°02'54.627"N	103°36'54.996"W	0.00	0.00	0.00	
12932.60†	90.000	179.648	12275.00	426.22	-425.85	60.65	722479.65	382012.16	32°02'53.638"N	103°36'54.997"W	0.00	0.00	0.00	
13032.60†	90.000	179.648	12275.00	526.22	-525.85	61.27	722480.26	381912.17	32°02'52.648"N	103°36'54.997"W	0.00	0.00	0.00	
13132.60†	90.000	179.648	12275.00	626.22	-625.85	61.88	722480.88	381812.17	32°02'51.659"N	103°36'54.998"W	0.00	0.00	0.00	
13232.60†	90.000	179.648	12275.00	726.22	-725.85	62.49	722481.49	381712.18	32°02'50.669"N	103°36'54.998"W	0.00	0.00	0.00	
13332.60†	90.000	179.648	12275.00	826.22	-825.85	63.11	722482.11	381612.18	32°02'49.679"N	103°36'54.999"W	0.00	0.00	0.00	
13432.60†	90.000	179.648	12275.00	926.22	-925.84	63.72	722482.72	381512.19	32°02'48.690"N	103°36'55.000"W	0.00	0.00	0.00	
13532.60†	90.000	179.648	12275.00	1026.22	-1025.84	64.34	722483.34	381412.20	32°02'47.700"N	103°36'55.000"W	0.00	0.00	0.00	
13632.60†	90.000	179.648	12275.00	1126.22	-1125.84	64.95	722483.95	381312.20	32°02'46.711"N	103°36'55.001"W	0.00	0.00	0.00	
13732.60†	90.000	179.648	12275.00	1226.22	-1225.84	65.57	722484.56	381212.21	32°02'45.721"N	103°36'55.001"W	0.00	0.00	0.00	
13832.60†	90.000	179.648	12275.00	1326.22	-1325.84	66.18	722485.18	381112.21	32°02'44.731"N	103°36'55.002"W	0.00	0.00	0.00	
13932.60†	90.000	179.648	12275.00	1426.22	-1425.83	66.79	722485.79	381012.22	32°02'43.742"N	103°36'55.003"W	0.00	0.00	0.00	
14032.60†	90.000	179.648	12275.00	1526.22	-1525.83	67.41	722486.41	380912.22	32°02'42.752"N	103°36'55.003"W	0.00	0.00	0.00	
14132.60†	90.000	179.648	12275.00	1626.22	-1625.83	68.02	722487.02	380812.23	32°02'41.763"N	103°36'55.004"W	0.00	0.00	0.00	
14232.60†	90.000	179.648	12275.00	1726.22	-1725.83	68.64	722487.63	380712.23	32°02'40.773"N	103°36'55.004"W	0.00	0.00	0.00	



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Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	12275.00	1826.22	-1825.83	69.25	722488.25	380612.24	32°02'39.784"N	103°36'55.005"W	0.00	0.00	0.00	
14432.60†	90.000	179.648	12275.00	1926.22	-1925.82	69.87	722488.86	380512.25	32°02'38.794"N	103°36'55.006"W	0.00	0.00	0.00	
14532.60†	90.000	179.648	12275.00	2026.22	-2025.82	70.48	722489.48	380412.25	32°02'37.804"N	103°36'55.006"W	0.00	0.00	0.00	
14632.60†	90.000	179.648	12275.00	2126.22	-2125.82	71.09	722490.09	380312.26	32°02'36.815"N	103°36'55.007"W	0.00	0.00	0.00	
14732.60†	90.000	179.648	12275.00	2226.22	-2225.82	71.71	722490.71	380212.26	32°02'35.825"N	103°36'55.007"W	0.00	0.00	0.00	
14832.60†	90.000	179.648	12275.00	2326.22	-2325.82	72.32	722491.32	380112.27	32°02'34.836"N	103°36'55.008"W	0.00	0.00	0.00	
14932.60†	90.000	179.648	12275.00	2426.22	-2425.81	72.94	722491.93	380012.27	32°02'33.846"N	103°36'55.009"W	0.00	0.00	0.00	
15032.60†	90.000	179.648	12275.00	2526.22	-2525.81	73.55	722492.55	379912.28	32°02'32.857"N	103°36'55.009"W	0.00	0.00	0.00	
15132.60†	90.000	179.648	12275.00	2626.22	-2625.81	74.17	722493.16	379812.28	32°02'31.867"N	103°36'55.010"W	0.00	0.00	0.00	
15232.60†	90.000	179.648	12275.00	2726.22	-2725.81	74.78	722493.78	379712.29	32°02'30.877"N	103°36'55.010"W	0.00	0.00	0.00	
15332.60†	90.000	179.648	12275.00	2826.22	-2825.81	75.39	722494.39	379612.29	32°02'29.888"N	103°36'55.011"W	0.00	0.00	0.00	
15432.60†	90.000	179.648	12275.00	2926.22	-2925.81	76.01	722495.01	379512.30	32°02'28.898"N	103°36'55.011"W	0.00	0.00	0.00	
15532.60†	90.000	179.648	12275.00	3026.22	-3025.80	76.62	722495.62	379412.31	32°02'27.909"N	103°36'55.012"W	0.00	0.00	0.00	
15632.60†	90.000	179.648	12275.00	3126.22	-3125.80	77.24	722496.23	379312.31	32°02'26.919"N	103°36'55.013"W	0.00	0.00	0.00	
15732.60†	90.000	179.648	12275.00	3226.22	-3225.80	77.85	722496.85	379212.32	32°02'25.930"N	103°36'55.013"W	0.00	0.00	0.00	
15832.60†	90.000	179.648	12275.00	3326.22	-3325.80	78.47	722497.46	379112.32	32°02'24.940"N	103°36'55.014"W	0.00	0.00	0.00	
15932.60†	90.000	179.648	12275.00	3426.22	-3425.80	79.08	722498.08	379012.33	32°02'23.950"N	103°36'55.014"W	0.00	0.00	0.00	
16032.60†	90.000	179.648	12275.00	3526.22	-3525.79	79.69	722498.69	378912.33	32°02'22.961"N	103°36'55.015"W	0.00	0.00	0.00	
16132.60†	90.000	179.648	12275.00	3626.22	-3625.79	80.31	722499.31	378812.34	32°02'21.971"N	103°36'55.016"W	0.00	0.00	0.00	
16232.60†	90.000	179.648	12275.00	3726.22	-3725.79	80.92	722499.92	378712.34	32°02'20.982"N	103°36'55.016"W	0.00	0.00	0.00	
16332.60†	90.000	179.648	12275.00	3826.22	-3825.79	81.54	722500.53	378612.35	32°02'19.992"N	103°36'55.017"W	0.00	0.00	0.00	
16432.60†	90.000	179.648	12275.00	3926.22	-3925.79	82.15	722501.15	378512.36	32°02'19.003"N	103°36'55.017"W	0.00	0.00	0.00	
16532.60†	90.000	179.648	12275.00	4026.22	-4025.78	82.77	722501.76	378412.36	32°02'18.013"N	103°36'55.018"W	0.00	0.00	0.00	
16632.60†	90.000	179.648	12275.00	4126.22	-4125.78	83.38	722502.38	378312.37	32°02'17.023"N	103°36'55.019"W	0.00	0.00	0.00	
16732.60†	90.000	179.648	12275.00	4226.22	-4225.78	83.99	722502.99	378212.37	32°02'16.034"N	103°36'55.019"W	0.00	0.00	0.00	
16832.60†	90.000	179.648	12275.00	4326.22	-4325.78	84.61	722503.60	378112.38	32°02'15.044"N	103°36'55.020"W	0.00	0.00	0.00	
16932.60†	90.000	179.648	12275.00	4426.22	-4425.78	85.22	722504.22	378012.38	32°02'14.055"N	103°36'55.020"W	0.00	0.00	0.00	
17032.60†	90.000	179.648	12275.00	4526.22	-4525.78	85.84	722504.83	377912.39	32°02'13.065"N	103°36'55.021"W	0.00	0.00	0.00	
17132.60†	90.000	179.648	12275.00	4626.22	-4625.77	86.45	722505.45	377812.39	32°02'12.076"N	103°36'55.021"W	0.00	0.00	0.00	
17232.60†	90.000	179.648	12275.00	4726.22	-4725.77	87.06	722506.06	377712.40	32°02'11.086"N	103°36'55.022"W	0.00	0.00	0.00	



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Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	12275.00	4826.22	-4825.77	87.68	722506.68	377612.41	32°02'10.096"N	103°36'55.023"W	0.00	0.00	0.00	
17432.60†	90.000	179.648	12275.00	4926.22	-4925.77	88.29	722507.29	377512.41	32°02'09.107"N	103°36'55.023"W	0.00	0.00	0.00	
17532.60†	90.000	179.648	12275.00	5026.22	-5025.77	88.91	722507.90	377412.42	32°02'08.117"N	103°36'55.024"W	0.00	0.00	0.00	
17632.60†	90.000	179.648	12275.00	5126.22	-5125.76	89.52	722508.52	377312.42	32°02'07.128"N	103°36'55.024"W	0.00	0.00	0.00	
17732.60†	90.000	179.648	12275.00	5226.22	-5225.76	90.14	722509.13	377212.43	32°02'06.138"N	103°36'55.025"W	0.00	0.00	0.00	
17832.60†	90.000	179.648	12275.00	5326.22	-5325.76	90.75	722509.75	377112.43	32°02'05.148"N	103°36'55.026"W	0.00	0.00	0.00	
17932.60†	90.000	179.648	12275.00	5426.22	-5425.76	91.36	722510.36	377012.44	32°02'04.159"N	103°36'55.026"W	0.00	0.00	0.00	
18032.60†	90.000	179.648	12275.00	5526.22	-5525.76	91.98	722510.98	376912.44	32°02'03.169"N	103°36'55.027"W	0.00	0.00	0.00	
18132.60†	90.000	179.648	12275.00	5626.22	-5625.75	92.59	722511.59	376812.45	32°02'02.180"N	103°36'55.027"W	0.00	0.00	0.00	
18232.60†	90.000	179.648	12275.00	5726.22	-5725.75	93.21	722512.20	376712.45	32°02'01.190"N	103°36'55.028"W	0.00	0.00	0.00	
18332.60†	90.000	179.648	12275.00	5826.22	-5825.75	93.82	722512.82	376612.46	32°02'00.201"N	103°36'55.028"W	0.00	0.00	0.00	
18432.60†	90.000	179.648	12275.00	5926.22	-5925.75	94.44	722513.43	376512.47	32°01'59.211"N	103°36'55.029"W	0.00	0.00	0.00	
18532.60†	90.000	179.648	12275.00	6026.22	-6025.75	95.05	722514.05	376412.47	32°01'58.221"N	103°36'55.030"W	0.00	0.00	0.00	
18632.60†	90.000	179.648	12275.00	6126.22	-6125.75	95.66	722514.66	376312.48	32°01'57.232"N	103°36'55.030"W	0.00	0.00	0.00	
18732.60†	90.000	179.648	12275.00	6226.22	-6225.74	96.28	722515.28	376212.48	32°01'56.242"N	103°36'55.031"W	0.00	0.00	0.00	
18832.60†	90.000	179.648	12275.00	6326.22	-6325.74	96.89	722515.89	376112.49	32°01'55.253"N	103°36'55.031"W	0.00	0.00	0.00	
18932.60†	90.000	179.648	12275.00	6426.22	-6425.74	97.51	722516.50	376012.49	32°01'54.263"N	103°36'55.032"W	0.00	0.00	0.00	
19032.60†	90.000	179.648	12275.00	6526.22	-6525.74	98.12	722517.12	375912.50	32°01'53.274"N	103°36'55.033"W	0.00	0.00	0.00	
19132.60†	90.000	179.648	12275.00	6626.22	-6625.74	98.74	722517.73	375812.50	32°01'52.284"N	103°36'55.033"W	0.00	0.00	0.00	
19232.60†	90.000	179.648	12275.00	6726.22	-6725.73	99.35	722518.35	375712.51	32°01'51.294"N	103°36'55.034"W	0.00	0.00	0.00	
19332.60†	90.000	179.648	12275.00	6826.22	-6825.73	99.96	722518.96	375612.52	32°01'50.305"N	103°36'55.034"W	0.00	0.00	0.00	
19432.60†	90.000	179.648	12275.00	6926.22	-6925.73	100.58	722519.57	375512.52	32°01'49.315"N	103°36'55.035"W	0.00	0.00	0.00	
19532.60†	90.000	179.648	12275.00	7026.22	-7025.73	101.19	722520.19	375412.53	32°01'48.326"N	103°36'55.036"W	0.00	0.00	0.00	
19632.60†	90.000	179.648	12275.00	7126.22	-7125.73	101.81	722520.80	375312.53	32°01'47.336"N	103°36'55.036"W	0.00	0.00	0.00	
19732.60†	90.000	179.648	12275.00	7226.22	-7225.72	102.42	722521.42	375212.54	32°01'46.347"N	103°36'55.037"W	0.00	0.00	0.00	
19832.60†	90.000	179.648	12275.00	7326.22	-7325.72	103.04	722522.03	375112.54	32°01'45.357"N	103°36'55.037"W	0.00	0.00	0.00	
19932.60†	90.000	179.648	12275.00	7426.22	-7425.72	103.65	722522.65	375012.55	32°01'44.367"N	103°36'55.038"W	0.00	0.00	0.00	
20032.60†	90.000	179.648	12275.00	7526.22	-7525.72	104.26	722523.26	374912.55	32°01'43.378"N	103°36'55.038"W	0.00	0.00	0.00	
20132.60†	90.000	179.648	12275.00	7626.22	-7625.72	104.88	722523.87	374812.56	32°01'42.388"N	103°36'55.039"W	0.00	0.00	0.00	
20232.60†	90.000	179.648	12275.00	7726.22	-7725.71	105.49	722524.49	374712.56	32°01'41.399"N	103°36'55.040"W	0.00	0.00	0.00	



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Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

WELLPATH DATA (232 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	12275.00	7826.22	-7825.71	106.11	722525.10	374612.57	32°01'40.409"N	103°36'55.040"W	0.00	0.00	0.00	
20432.60†	90.000	179.648	12275.00	7926.22	-7925.71	106.72	722525.72	374512.58	32°01'39.419"N	103°36'55.041"W	0.00	0.00	0.00	
20532.60†	90.000	179.648	12275.00	8026.22	-8025.71	107.34	722526.33	374412.58	32°01'38.430"N	103°36'55.041"W	0.00	0.00	0.00	
20632.60†	90.000	179.648	12275.00	8126.22	-8125.71	107.95	722526.95	374312.59	32°01'37.440"N	103°36'55.042"W	0.00	0.00	0.00	
20732.60†	90.000	179.648	12275.00	8226.22	-8225.71	108.56	722527.56	374212.59	32°01'36.451"N	103°36'55.043"W	0.00	0.00	0.00	
20832.60†	90.000	179.648	12275.00	8326.22	-8325.70	109.18	722528.17	374112.60	32°01'35.461"N	103°36'55.043"W	0.00	0.00	0.00	
20932.60†	90.000	179.648	12275.00	8426.22	-8425.70	109.79	722528.79	374012.60	32°01'34.472"N	103°36'55.044"W	0.00	0.00	0.00	
21032.60†	90.000	179.648	12275.00	8526.22	-8525.70	110.41	722529.40	373912.61	32°01'33.482"N	103°36'55.044"W	0.00	0.00	0.00	
21132.60†	90.000	179.648	12275.00	8626.22	-8625.70	111.02	722530.02	373812.61	32°01'32.492"N	103°36'55.045"W	0.00	0.00	0.00	
21232.60†	90.000	179.648	12275.00	8726.22	-8725.70	111.64	722530.63	373712.62	32°01'31.503"N	103°36'55.045"W	0.00	0.00	0.00	
21332.60†	90.000	179.648	12275.00	8826.22	-8825.69	112.25	722531.25	373612.63	32°01'30.513"N	103°36'55.046"W	0.00	0.00	0.00	
21432.60†	90.000	179.648	12275.00	8926.22	-8925.69	112.86	722531.86	373512.63	32°01'29.524"N	103°36'55.047"W	0.00	0.00	0.00	
21532.60†	90.000	179.648	12275.00	9026.22	-9025.69	113.48	722532.47	373412.64	32°01'28.534"N	103°36'55.047"W	0.00	0.00	0.00	
21632.60†	90.000	179.648	12275.00	9126.22	-9125.69	114.09	722533.09	373312.64	32°01'27.545"N	103°36'55.048"W	0.00	0.00	0.00	
21732.60†	90.000	179.648	12275.00	9226.22	-9225.69	114.71	722533.70	373212.65	32°01'26.555"N	103°36'55.048"W	0.00	0.00	0.00	
21832.60†	90.000	179.648	12275.00	9326.22	-9325.68	115.32	722534.32	373112.65	32°01'25.565"N	103°36'55.049"W	0.00	0.00	0.00	
21932.60†	90.000	179.648	12275.00	9426.22	-9425.68	115.93	722534.93	373012.66	32°01'24.576"N	103°36'55.050"W	0.00	0.00	0.00	
22032.60†	90.000	179.648	12275.00	9526.22	-9525.68	116.55	722535.54	372912.66	32°01'23.586"N	103°36'55.050"W	0.00	0.00	0.00	
22132.60†	90.000	179.648	12275.00	9626.22	-9625.68	117.16	722536.16	372812.67	32°01'22.597"N	103°36'55.051"W	0.00	0.00	0.00	
22232.60†	90.000	179.648	12275.00	9726.22	-9725.68	117.78	722536.77	372712.68	32°01'21.607"N	103°36'55.051"W	0.00	0.00	0.00	
22332.60†	90.000	179.648	12275.00	9826.22	-9825.68	118.39	722537.39	372612.68	32°01'20.618"N	103°36'55.052"W	0.00	0.00	0.00	
22432.29	90.000	179.648	12275.00†	9925.90	-9925.36	119.00	722538.00	372513.00	32°01'19.631"N	103°36'55.052"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 Com P13- 10H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 10H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 10H
Facility	SD EA 18 19 Fed 13		

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 Com P13 10H PBHL rev 1	22432.29	12275.00	-9925.36	119.00	722538.00	372513.00	32°01'19.631"N	103°36'55.052"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 Fed Com P13 10H Ref Wellpath: SD EA 18 19 Fed Com P13 10H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	22709.30	BHI NaviTrak (Standard)		SD EA 18 19 Fed Com P13 10H