



Chevron U.S.A. Inc.

Location: Lea County, NM
Field: Jennings / Upper BN SPRN Shale (Lea County, NM)
Facility: SD EA 18 19 Fed 13

Slot: SD EA 18 19 Fed Com P13 9H
Well: SD EA 18 19 Fed Com P13 9H
Wellbore: SD EA 18 19 Fed Com P13 9H



NOTE: FIELD SHOULD BE UPPER WOLFCAMP

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	320.726	32.60	0.00	0.00	0.00	0.00
End of Tangent	1800.00	0.000	320.726	1800.00	0.00	0.00	0.00	0.00
End of Build	2800.00	10.000	320.726	2794.93	67.38	-55.10	1.00	-67.72
End of Tangent	4794.74	10.000	320.726	4759.36	335.53	-274.37	0.00	-337.20
End of Drop	5794.74	0.000	179.648	5754.29	402.91	-329.48	1.00	-404.92
End of Tangent	12137.98	0.000	179.648	12097.54	402.91	-329.48	0.00	-404.92
End of Build	12887.98	90.000	179.648	12575.00	-74.55	-326.54	12.00	72.55
End of Tangent	22742.98	90.000	179.648	12575.00	-9929.36	-266.01	0.00	9927.55

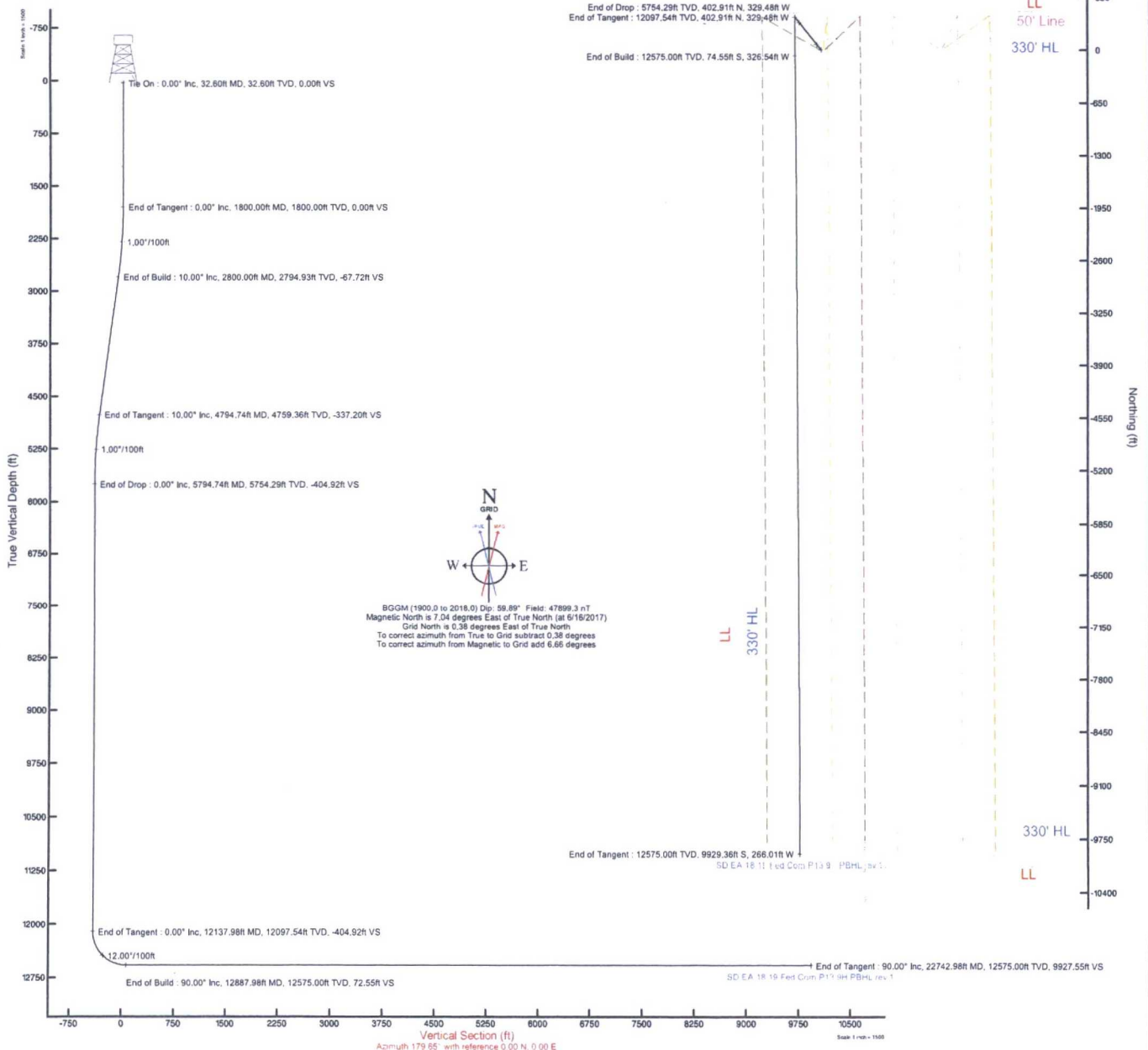
Bottom Hole Location

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
22742.98	90.000	179.648	12575.00	-9929.36	-266.01	722128.00	372509.00	32°01'19.618"N	103°36'59.815"W

Plot reference wellbore is SD EA 18 19 Fed Com P13 9H Rev A.0	Grid System: NAD2011 / TM New Mexico SP, Eastern Zone (2001), US feet
True vertical depths are referenced to Rig: Nabors X30 (R)	* - Wellbore was transformed from a different geodetic datum
Measured depths are referenced to Rig: Nabors X30 (R)	North Reference: Grid North
Rig: Nabors X30 (R) to Mean Sea Level 3254.6 feet	Scale: True distance
Mean Sea Level to Ground level (M Sea: SD EA 18 19 Fed Com P13 9H) -3222 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: Jorison 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 13	722369.000	382438.000	32°02'57.859"N	103°36'56.249"W
Slot				
SD EA 18 19 Fed Com P13 9H	0.00	0.00	32°02'57.857"N	103°36'56.859"W
Rig: Nabors X30 (R) to Ground level (M Sea: SD EA 18 19 Fed Com P13 9H)	33.00	722394.000	32°02'57.857"N	103°36'56.859"W
Mean Sea Level to Ground level (M Sea: SD EA 18 19 Fed Com P13 9H)				
Rig: Nabors X30 (R) to Mean Sea Level				





Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
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 12:47:44 PM
Convergence at slot	0.38° East	Database/Source file	WA_Midland/SD_EA_18_19_Fed_Com_P13_9H_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	722394.00	382438.00	32°02'57.857"N	103°36'55.959"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 9H)	32.60ft
MD Reference Pt	Rig: Nabors X30 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.65°



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	320.726	0.00	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
32.60	0.000	320.726	32.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	Tie On
132.60†	0.000	320.726	132.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
232.60†	0.000	320.726	232.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
332.60†	0.000	320.726	332.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
432.60†	0.000	320.726	432.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
532.60†	0.000	320.726	532.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
632.60†	0.000	320.726	632.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
732.60†	0.000	320.726	732.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
832.60†	0.000	320.726	832.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
932.60†	0.000	320.726	932.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1032.60†	0.000	320.726	1032.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1132.60†	0.000	320.726	1132.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1232.60†	0.000	320.726	1232.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1332.60†	0.000	320.726	1332.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1432.60†	0.000	320.726	1432.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1532.60†	0.000	320.726	1532.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1632.60†	0.000	320.726	1632.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1732.60†	0.000	320.726	1732.60	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	
1800.00	0.000	320.726	1800.00	0.00	0.00	0.00	722394.00	382438.00	32°02'57.857"N	103°36'55.959"W	0.00	0.00	0.00	End of Tangent
1832.60†	0.326	320.726	1832.60	-0.07	0.07	-0.06	722393.94	382438.07	32°02'57.858"N	103°36'55.960"W	1.00	1.00	-120.47	
1932.60†	1.326	320.726	1932.59	-1.19	1.19	-0.97	722393.03	382439.19	32°02'57.869"N	103°36'55.970"W	1.00	1.00	0.00	
2032.60†	2.326	320.726	2032.54	-3.67	3.65	-2.99	722391.01	382441.65	32°02'57.894"N	103°36'55.993"W	1.00	1.00	0.00	
2132.60†	3.326	320.726	2132.41	-7.51	7.47	-6.11	722387.89	382445.47	32°02'57.932"N	103°36'56.029"W	1.00	1.00	0.00	
2232.60†	4.326	320.726	2232.19	-12.70	12.64	-10.33	722383.67	382450.64	32°02'57.983"N	103°36'56.078"W	1.00	1.00	0.00	
2332.60†	5.326	320.726	2331.83	-19.24	19.15	-15.66	722378.34	382457.15	32°02'58.048"N	103°36'56.139"W	1.00	1.00	0.00	
2432.60†	6.326	320.726	2431.32	-27.14	27.01	-22.08	722371.92	382465.01	32°02'58.126"N	103°36'56.213"W	1.00	1.00	0.00	
2532.60†	7.326	320.726	2530.61	-36.39	36.21	-29.61	722364.39	382474.21	32°02'58.218"N	103°36'56.300"W	1.00	1.00	0.00	
2632.60†	8.326	320.726	2629.67	-46.98	46.75	-38.23	722355.77	382484.75	32°02'58.322"N	103°36'56.399"W	1.00	1.00	0.00	
2732.60†	9.326	320.726	2728.49	-58.92	58.63	-47.94	722346.06	382496.62	32°02'58.441"N	103°36'56.511"W	1.00	1.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	320.726	2794.93	-67.72	67.38	-55.10	722338.90	382505.38	32°02'58.528"N	103°36'56.594"W	1.00	1.00	0.00	End of Build
2832.60†	10.000	320.726	2827.04	-72.12	71.77	-58.69	722335.32	382509.76	32°02'58.571"N	103°36'56.635"W	0.00	0.00	0.00	
2932.60†	10.000	320.726	2925.52	-85.63	85.21	-69.68	722324.32	382523.21	32°02'58.705"N	103°36'56.762"W	0.00	0.00	0.00	
3032.60†	10.000	320.726	3024.00	-99.14	98.65	-80.67	722313.33	382536.65	32°02'58.839"N	103°36'56.889"W	0.00	0.00	0.00	
3132.60†	10.000	320.726	3122.48	-112.65	112.09	-91.66	722302.34	382550.09	32°02'58.973"N	103°36'57.015"W	0.00	0.00	0.00	
3232.60†	10.000	320.726	3220.96	-126.16	125.54	-102.66	722291.35	382563.53	32°02'59.106"N	103°36'57.142"W	0.00	0.00	0.00	
3332.60†	10.000	320.726	3319.44	-139.67	138.98	-113.65	722280.36	382576.97	32°02'59.240"N	103°36'57.269"W	0.00	0.00	0.00	
3432.60†	10.000	320.726	3417.92	-153.18	152.42	-124.64	722269.36	382590.42	32°02'59.374"N	103°36'57.395"W	0.00	0.00	0.00	
3532.60†	10.000	320.726	3516.40	-166.69	165.86	-135.63	722258.37	382603.86	32°02'59.508"N	103°36'57.522"W	0.00	0.00	0.00	
3632.60†	10.000	320.726	3614.88	-180.20	179.31	-146.63	722247.38	382617.30	32°02'59.641"N	103°36'57.649"W	0.00	0.00	0.00	
3732.60†	10.000	320.726	3713.36	-193.71	192.75	-157.62	722236.39	382630.74	32°02'59.775"N	103°36'57.775"W	0.00	0.00	0.00	
3832.60†	10.000	320.726	3811.84	-207.22	206.19	-168.61	722225.39	382644.18	32°02'59.909"N	103°36'57.902"W	0.00	0.00	0.00	
3932.60†	10.000	320.726	3910.32	-220.73	219.63	-179.60	722214.40	382657.63	32°03'00.043"N	103°36'58.029"W	0.00	0.00	0.00	
4032.60†	10.000	320.726	4008.80	-234.24	233.08	-190.60	722203.41	382671.07	32°03'00.176"N	103°36'58.155"W	0.00	0.00	0.00	
4132.60†	10.000	320.726	4107.29	-247.75	246.52	-201.59	722192.42	382684.51	32°03'00.310"N	103°36'58.282"W	0.00	0.00	0.00	
4232.60†	10.000	320.726	4205.77	-261.25	259.96	-212.58	722181.43	382697.95	32°03'00.444"N	103°36'58.409"W	0.00	0.00	0.00	
4332.60†	10.000	320.726	4304.25	-274.76	273.40	-223.57	722170.43	382711.39	32°03'00.578"N	103°36'58.535"W	0.00	0.00	0.00	
4432.60†	10.000	320.726	4402.73	-288.27	286.85	-234.57	722159.44	382724.84	32°03'00.711"N	103°36'58.662"W	0.00	0.00	0.00	
4532.60†	10.000	320.726	4501.21	-301.78	300.29	-245.56	722148.45	382738.28	32°03'00.845"N	103°36'58.789"W	0.00	0.00	0.00	
4632.60†	10.000	320.726	4599.69	-315.29	313.73	-256.55	722137.46	382751.72	32°03'00.979"N	103°36'58.915"W	0.00	0.00	0.00	
4732.60†	10.000	320.726	4698.17	-328.80	327.17	-267.54	722126.47	382765.16	32°03'01.112"N	103°36'59.042"W	0.00	0.00	0.00	
4794.74	10.000	320.726	4759.36	-337.20	335.53	-274.37	722119.64	382773.51	32°03'01.196"N	103°36'59.121"W	0.00	0.00	0.00	End of Tangent
4832.60†	9.621	320.726	4796.67	-342.22	340.52	-278.46	722115.55	382778.51	32°03'01.245"N	103°36'59.168"W	1.00	-1.00	0.00	
4932.60†	8.621	320.726	4895.41	-354.55	352.79	-288.49	722105.52	382790.78	32°03'01.367"N	103°36'59.283"W	1.00	-1.00	0.00	
5032.60†	7.621	320.726	4994.40	-365.54	363.73	-297.44	722096.57	382801.72	32°03'01.476"N	103°36'59.386"W	1.00	-1.00	0.00	
5132.60†	6.621	320.726	5093.63	-375.18	373.33	-305.28	722088.73	382811.31	32°03'01.572"N	103°36'59.477"W	1.00	-1.00	0.00	
5232.60†	5.621	320.726	5193.06	-383.48	381.58	-312.03	722081.98	382819.57	32°03'01.654"N	103°36'59.555"W	1.00	-1.00	0.00	
5332.60†	4.621	320.726	5292.66	-390.42	388.49	-317.69	722076.33	382826.48	32°03'01.723"N	103°36'59.620"W	1.00	-1.00	0.00	
5432.60†	3.621	320.726	5392.40	-396.01	394.05	-322.24	722071.78	382832.04	32°03'01.778"N	103°36'59.672"W	1.00	-1.00	0.00	
5532.60†	2.621	320.726	5492.25	-400.25	398.27	-325.68	722068.33	382836.25	32°03'01.820"N	103°36'59.712"W	1.00	-1.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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†	1.621	320.726	5592.18	-403.13	401.13	-328.03	722065.99	382839.12	32°03'01.848"N	103°36'59.739"W	1.00	-1.00	0.00	
5732.60†	0.621	320.726	5692.16	-404.65	402.65	-329.26	722064.75	382840.63	32°03'01.863"N	103°36'59.753"W	1.00	-1.00	0.00	
5794.74	0.000	179.648	5754.29	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	1.00	-1.00	63.21	End of Drop
5832.60†	0.000	179.648	5792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
5932.60†	0.000	179.648	5892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6032.60†	0.000	179.648	5992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6132.60†	0.000	179.648	6092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6232.60†	0.000	179.648	6192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6332.60†	0.000	179.648	6292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6432.60†	0.000	179.648	6392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6532.60†	0.000	179.648	6492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6632.60†	0.000	179.648	6592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6732.60†	0.000	179.648	6692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6832.60†	0.000	179.648	6792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
6932.60†	0.000	179.648	6892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7032.60†	0.000	179.648	6992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7132.60†	0.000	179.648	7092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7232.60†	0.000	179.648	7192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7332.60†	0.000	179.648	7292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7432.60†	0.000	179.648	7392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7532.60†	0.000	179.648	7492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7632.60†	0.000	179.648	7592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7732.60†	0.000	179.648	7692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7832.60†	0.000	179.648	7792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
7932.60†	0.000	179.648	7892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8032.60†	0.000	179.648	7992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8132.60†	0.000	179.648	8092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8232.60†	0.000	179.648	8192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8332.60†	0.000	179.648	8292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8432.60†	0.000	179.648	8392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	8492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8632.60†	0.000	179.648	8592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8732.60†	0.000	179.648	8692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8832.60†	0.000	179.648	8792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
8932.60†	0.000	179.648	8892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9032.60†	0.000	179.648	8992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9132.60†	0.000	179.648	9092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9232.60†	0.000	179.648	9192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9332.60†	0.000	179.648	9292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9432.60†	0.000	179.648	9392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9532.60†	0.000	179.648	9492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9632.60†	0.000	179.648	9592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9732.60†	0.000	179.648	9692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9832.60†	0.000	179.648	9792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
9932.60†	0.000	179.648	9892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10032.60†	0.000	179.648	9992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10132.60†	0.000	179.648	10092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10232.60†	0.000	179.648	10192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10332.60†	0.000	179.648	10292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10432.60†	0.000	179.648	10392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10532.60†	0.000	179.648	10492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10632.60†	0.000	179.648	10592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10732.60†	0.000	179.648	10692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10832.60†	0.000	179.648	10792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
10932.60†	0.000	179.648	10892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11032.60†	0.000	179.648	10992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11132.60†	0.000	179.648	11092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11232.60†	0.000	179.648	11192.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11332.60†	0.000	179.648	11292.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11432.60†	0.000	179.648	11392.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	11492.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11632.60†	0.000	179.648	11592.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11732.60†	0.000	179.648	11692.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11832.60†	0.000	179.648	11792.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
11932.60†	0.000	179.648	11892.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
12032.60†	0.000	179.648	11992.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
12132.60†	0.000	179.648	12092.16	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	
12137.98	0.000	179.648	12097.54	-404.92	402.91	-329.48	722064.53	382840.90	32°03'01.866"N	103°36'59.756"W	0.00	0.00	0.00	End of Tangent
12232.60†	11.355	179.648	12191.54	-395.57	393.56	-329.42	722064.59	382831.55	32°03'01.774"N	103°36'59.756"W	12.00	12.00	189.86	
12332.60†	23.355	179.648	12286.81	-365.80	363.79	-329.24	722064.77	382801.78	32°03'01.479"N	103°36'59.756"W	12.00	12.00	0.00	
12432.60†	35.355	179.648	12373.81	-316.86	314.86	-328.94	722065.08	382752.85	32°03'00.995"N	103°36'59.756"W	12.00	12.00	0.00	
12532.60†	47.355	179.648	12448.74	-250.91	248.91	-328.53	722065.48	382686.90	32°03'00.342"N	103°36'59.757"W	12.00	12.00	0.00	
12632.60†	59.355	179.648	12508.32	-170.83	168.82	-328.04	722065.97	382606.82	32°02'59.549"N	103°36'59.757"W	12.00	12.00	0.00	
12732.60†	71.355	179.648	12549.94	-80.10	78.10	-327.48	722066.53	382516.10	32°02'58.652"N	103°36'59.758"W	12.00	12.00	0.00	
12832.60†	83.355	179.648	12571.79	17.30	-19.29	-326.88	722067.13	382418.71	32°02'57.688"N	103°36'59.758"W	12.00	12.00	0.00	
12887.98	90.000	179.648	12575.00	72.55	-74.55	-326.54	722067.47	382363.46	32°02'57.141"N	103°36'59.758"W	12.00	12.00	0.00	End of Build
12932.60†	90.000	179.648	12575.00	117.17	-119.17	-326.27	722067.74	382318.84	32°02'56.700"N	103°36'59.759"W	0.00	0.00	0.00	
13032.60†	90.000	179.648	12575.00	217.17	-219.16	-325.66	722068.36	382218.84	32°02'55.710"N	103°36'59.759"W	0.00	0.00	0.00	
13132.60†	90.000	179.648	12575.00	317.17	-319.16	-325.04	722068.97	382118.85	32°02'54.720"N	103°36'59.760"W	0.00	0.00	0.00	
13232.60†	90.000	179.648	12575.00	417.17	-419.16	-324.43	722069.58	382018.85	32°02'53.731"N	103°36'59.760"W	0.00	0.00	0.00	
13332.60†	90.000	179.648	12575.00	517.17	-519.16	-323.81	722070.20	381918.86	32°02'52.741"N	103°36'59.761"W	0.00	0.00	0.00	
13432.60†	90.000	179.648	12575.00	617.17	-619.16	-323.20	722070.81	381818.87	32°02'51.752"N	103°36'59.762"W	0.00	0.00	0.00	
13532.60†	90.000	179.648	12575.00	717.17	-719.16	-322.58	722071.43	381718.87	32°02'50.762"N	103°36'59.762"W	0.00	0.00	0.00	
13632.60†	90.000	179.648	12575.00	817.17	-819.15	-321.97	722072.04	381618.88	32°02'49.773"N	103°36'59.763"W	0.00	0.00	0.00	
13732.60†	90.000	179.648	12575.00	917.17	-919.15	-321.36	722072.66	381518.88	32°02'48.783"N	103°36'59.763"W	0.00	0.00	0.00	
13832.60†	90.000	179.648	12575.00	1017.17	-1019.15	-320.74	722073.27	381418.89	32°02'47.793"N	103°36'59.764"W	0.00	0.00	0.00	
13932.60†	90.000	179.648	12575.00	1117.17	-1119.15	-320.13	722073.88	381318.89	32°02'46.804"N	103°36'59.764"W	0.00	0.00	0.00	
14032.60†	90.000	179.648	12575.00	1217.17	-1219.15	-319.51	722074.50	381218.90	32°02'45.814"N	103°36'59.765"W	0.00	0.00	0.00	
14132.60†	90.000	179.648	12575.00	1317.17	-1319.14	-318.90	722075.11	381118.90	32°02'44.825"N	103°36'59.766"W	0.00	0.00	0.00	
14232.60†	90.000	179.648	12575.00	1417.17	-1419.14	-318.29	722075.73	381018.91	32°02'43.835"N	103°36'59.766"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	1517.17	-1519.14	-317.67	722076.34	380918.91	32°02'42.846"N	103°36'59.767"W	0.00	0.00	0.00	
14432.60†	90.000	179.648	12575.00	1617.17	-1619.14	-317.06	722076.95	380818.92	32°02'41.856"N	103°36'59.767"W	0.00	0.00	0.00	
14532.60†	90.000	179.648	12575.00	1717.17	-1719.14	-316.44	722077.57	380718.93	32°02'40.866"N	103°36'59.768"W	0.00	0.00	0.00	
14632.60†	90.000	179.648	12575.00	1817.17	-1819.13	-315.83	722078.18	380618.93	32°02'39.877"N	103°36'59.769"W	0.00	0.00	0.00	
14732.60†	90.000	179.648	12575.00	1917.17	-1919.13	-315.21	722078.80	380518.94	32°02'38.887"N	103°36'59.769"W	0.00	0.00	0.00	
14832.60†	90.000	179.648	12575.00	2017.17	-2019.13	-314.60	722079.41	380418.94	32°02'37.898"N	103°36'59.770"W	0.00	0.00	0.00	
14932.60†	90.000	179.648	12575.00	2117.17	-2119.13	-313.99	722080.03	380318.95	32°02'36.908"N	103°36'59.770"W	0.00	0.00	0.00	
15032.60†	90.000	179.648	12575.00	2217.17	-2219.13	-313.37	722080.64	380218.95	32°02'35.918"N	103°36'59.771"W	0.00	0.00	0.00	
15132.60†	90.000	179.648	12575.00	2317.17	-2319.13	-312.76	722081.25	380118.96	32°02'34.929"N	103°36'59.771"W	0.00	0.00	0.00	
15232.60†	90.000	179.648	12575.00	2417.17	-2419.12	-312.14	722081.87	380018.96	32°02'33.939"N	103°36'59.772"W	0.00	0.00	0.00	
15332.60†	90.000	179.648	12575.00	2517.17	-2519.12	-311.53	722082.48	379918.97	32°02'32.950"N	103°36'59.773"W	0.00	0.00	0.00	
15432.60†	90.000	179.648	12575.00	2617.17	-2619.12	-310.91	722083.10	379818.98	32°02'31.960"N	103°36'59.773"W	0.00	0.00	0.00	
15532.60†	90.000	179.648	12575.00	2717.17	-2719.12	-310.30	722083.71	379718.98	32°02'30.971"N	103°36'59.774"W	0.00	0.00	0.00	
15632.60†	90.000	179.648	12575.00	2817.17	-2819.12	-309.69	722084.33	379618.99	32°02'29.981"N	103°36'59.774"W	0.00	0.00	0.00	
15732.60†	90.000	179.648	12575.00	2917.17	-2919.11	-309.07	722084.94	379518.99	32°02'28.991"N	103°36'59.775"W	0.00	0.00	0.00	
15832.60†	90.000	179.648	12575.00	3017.17	-3019.11	-308.46	722085.55	379419.00	32°02'28.002"N	103°36'59.775"W	0.00	0.00	0.00	
15932.60†	90.000	179.648	12575.00	3117.17	-3119.11	-307.84	722086.17	379319.00	32°02'27.012"N	103°36'59.776"W	0.00	0.00	0.00	
16032.60†	90.000	179.648	12575.00	3217.17	-3219.11	-307.23	722086.78	379219.01	32°02'26.023"N	103°36'59.777"W	0.00	0.00	0.00	
16132.60†	90.000	179.648	12575.00	3317.17	-3319.11	-306.61	722087.40	379119.01	32°02'25.033"N	103°36'59.777"W	0.00	0.00	0.00	
16232.60†	90.000	179.648	12575.00	3417.17	-3419.10	-306.00	722088.01	379019.02	32°02'24.044"N	103°36'59.778"W	0.00	0.00	0.00	
16332.60†	90.000	179.648	12575.00	3517.17	-3519.10	-305.39	722088.63	378919.02	32°02'23.054"N	103°36'59.778"W	0.00	0.00	0.00	
16432.60†	90.000	179.648	12575.00	3617.17	-3619.10	-304.77	722089.24	378819.03	32°02'22.064"N	103°36'59.779"W	0.00	0.00	0.00	
16532.60†	90.000	179.648	12575.00	3717.17	-3719.10	-304.16	722089.85	378719.04	32°02'21.075"N	103°36'59.779"W	0.00	0.00	0.00	
16632.60†	90.000	179.648	12575.00	3817.17	-3819.10	-303.54	722090.47	378619.04	32°02'20.085"N	103°36'59.780"W	0.00	0.00	0.00	
16732.60†	90.000	179.648	12575.00	3917.17	-3919.10	-302.93	722091.08	378519.05	32°02'19.096"N	103°36'59.781"W	0.00	0.00	0.00	
16832.60†	90.000	179.648	12575.00	4017.17	-4019.09	-302.31	722091.70	378419.05	32°02'18.106"N	103°36'59.781"W	0.00	0.00	0.00	
16932.60†	90.000	179.648	12575.00	4117.17	-4119.09	-301.70	722092.31	378319.06	32°02'17.117"N	103°36'59.782"W	0.00	0.00	0.00	
17032.60†	90.000	179.648	12575.00	4217.17	-4219.09	-301.09	722092.92	378219.06	32°02'16.127"N	103°36'59.782"W	0.00	0.00	0.00	
17132.60†	90.000	179.648	12575.00	4317.17	-4319.09	-300.47	722093.54	378119.07	32°02'15.137"N	103°36'59.783"W	0.00	0.00	0.00	
17232.60†	90.000	179.648	12575.00	4417.17	-4419.09	-299.86	722094.15	378019.07	32°02'14.148"N	103°36'59.783"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	4517.17	-4519.08	-299.24	722094.77	377919.08	32°02'13.158"N	103°36'59.784"W	0.00	0.00	0.00	
17432.60†	90.000	179.648	12575.00	4617.17	-4619.08	-298.63	722095.38	377819.09	32°02'12.169"N	103°36'59.785"W	0.00	0.00	0.00	
17532.60†	90.000	179.648	12575.00	4717.17	-4719.08	-298.01	722096.00	377719.09	32°02'11.179"N	103°36'59.785"W	0.00	0.00	0.00	
17632.60†	90.000	179.648	12575.00	4817.17	-4819.08	-297.40	722096.61	377619.10	32°02'10.190"N	103°36'59.786"W	0.00	0.00	0.00	
17732.60†	90.000	179.648	12575.00	4917.17	-4919.08	-296.79	722097.22	377519.10	32°02'09.200"N	103°36'59.786"W	0.00	0.00	0.00	
17832.60†	90.000	179.648	12575.00	5017.17	-5019.07	-296.17	722097.84	377419.11	32°02'08.210"N	103°36'59.787"W	0.00	0.00	0.00	
17932.60†	90.000	179.648	12575.00	5117.17	-5119.07	-295.56	722098.45	377319.11	32°02'07.221"N	103°36'59.787"W	0.00	0.00	0.00	
18032.60†	90.000	179.648	12575.00	5217.17	-5219.07	-294.94	722099.07	377219.12	32°02'06.231"N	103°36'59.788"W	0.00	0.00	0.00	
18132.60†	90.000	179.648	12575.00	5317.17	-5319.07	-294.33	722099.68	377119.12	32°02'05.242"N	103°36'59.789"W	0.00	0.00	0.00	
18232.60†	90.000	179.648	12575.00	5417.17	-5419.07	-293.71	722100.30	377019.13	32°02'04.252"N	103°36'59.789"W	0.00	0.00	0.00	
18332.60†	90.000	179.648	12575.00	5517.17	-5519.06	-293.10	722100.91	376919.14	32°02'03.262"N	103°36'59.790"W	0.00	0.00	0.00	
18432.60†	90.000	179.648	12575.00	5617.17	-5619.06	-292.49	722101.52	376819.14	32°02'02.273"N	103°36'59.790"W	0.00	0.00	0.00	
18532.60†	90.000	179.648	12575.00	5717.17	-5719.06	-291.87	722102.14	376719.15	32°02'01.283"N	103°36'59.791"W	0.00	0.00	0.00	
18632.60†	90.000	179.648	12575.00	5817.17	-5819.06	-291.26	722102.75	376619.15	32°02'00.294"N	103°36'59.791"W	0.00	0.00	0.00	
18732.60†	90.000	179.648	12575.00	5917.17	-5919.06	-290.64	722103.37	376519.16	32°01'59.304"N	103°36'59.792"W	0.00	0.00	0.00	
18832.60†	90.000	179.648	12575.00	6017.17	-6019.06	-290.03	722103.98	376419.16	32°01'58.315"N	103°36'59.793"W	0.00	0.00	0.00	
18932.60†	90.000	179.648	12575.00	6117.17	-6119.05	-289.42	722104.60	376319.17	32°01'57.325"N	103°36'59.793"W	0.00	0.00	0.00	
19032.60†	90.000	179.648	12575.00	6217.17	-6219.05	-288.80	722105.21	376219.17	32°01'56.335"N	103°36'59.794"W	0.00	0.00	0.00	
19132.60†	90.000	179.648	12575.00	6317.17	-6319.05	-288.19	722105.82	376119.18	32°01'55.346"N	103°36'59.794"W	0.00	0.00	0.00	
19232.60†	90.000	179.648	12575.00	6417.17	-6419.05	-287.57	722106.44	376019.18	32°01'54.356"N	103°36'59.795"W	0.00	0.00	0.00	
19332.60†	90.000	179.648	12575.00	6517.17	-6519.05	-286.96	722107.05	375919.19	32°01'53.367"N	103°36'59.795"W	0.00	0.00	0.00	
19432.60†	90.000	179.648	12575.00	6617.17	-6619.04	-286.34	722107.67	375819.20	32°01'52.377"N	103°36'59.796"W	0.00	0.00	0.00	
19532.60†	90.000	179.648	12575.00	6717.17	-6719.04	-285.73	722108.28	375719.20	32°01'51.388"N	103°36'59.797"W	0.00	0.00	0.00	
19632.60†	90.000	179.648	12575.00	6817.17	-6819.04	-285.12	722108.90	375619.21	32°01'50.398"N	103°36'59.797"W	0.00	0.00	0.00	
19732.60†	90.000	179.648	12575.00	6917.17	-6919.04	-284.50	722109.51	375519.21	32°01'49.408"N	103°36'59.798"W	0.00	0.00	0.00	
19832.60†	90.000	179.648	12575.00	7017.17	-7019.04	-283.89	722110.12	375419.22	32°01'48.419"N	103°36'59.798"W	0.00	0.00	0.00	
19932.60†	90.000	179.648	12575.00	7117.17	-7119.03	-283.27	722110.74	375319.22	32°01'47.429"N	103°36'59.799"W	0.00	0.00	0.00	
20032.60†	90.000	179.648	12575.00	7217.17	-7219.03	-282.66	722111.35	375219.23	32°01'46.440"N	103°36'59.799"W	0.00	0.00	0.00	
20132.60†	90.000	179.648	12575.00	7317.17	-7319.03	-282.04	722111.97	375119.23	32°01'45.450"N	103°36'59.800"W	0.00	0.00	0.00	
20232.60†	90.000	179.648	12575.00	7417.17	-7419.03	-281.43	722112.58	375019.24	32°01'44.461"N	103°36'59.801"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
Facility	SD EA 18 19 Fed 13		

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	7517.17	-7519.03	-280.82	722113.19	374919.25	32°01'43.471"N	103°36'59.801"W	0.00	0.00	0.00	
20432.60†	90.000	179.648	12575.00	7617.17	-7619.03	-280.20	722113.81	374819.25	32°01'42.481"N	103°36'59.802"W	0.00	0.00	0.00	
20532.60†	90.000	179.648	12575.00	7717.17	-7719.02	-279.59	722114.42	374719.26	32°01'41.492"N	103°36'59.802"W	0.00	0.00	0.00	
20632.60†	90.000	179.648	12575.00	7817.17	-7819.02	-278.97	722115.04	374619.26	32°01'40.502"N	103°36'59.803"W	0.00	0.00	0.00	
20732.60†	90.000	179.648	12575.00	7917.17	-7919.02	-278.36	722115.65	374519.27	32°01'39.513"N	103°36'59.803"W	0.00	0.00	0.00	
20832.60†	90.000	179.648	12575.00	8017.17	-8019.02	-277.74	722116.27	374419.27	32°01'38.523"N	103°36'59.804"W	0.00	0.00	0.00	
20932.60†	90.000	179.648	12575.00	8117.17	-8119.02	-277.13	722116.88	374319.28	32°01'37.533"N	103°36'59.805"W	0.00	0.00	0.00	
21032.60†	90.000	179.648	12575.00	8217.17	-8219.01	-276.52	722117.49	374219.28	32°01'36.544"N	103°36'59.805"W	0.00	0.00	0.00	
21132.60†	90.000	179.648	12575.00	8317.17	-8319.01	-275.90	722118.11	374119.29	32°01'35.554"N	103°36'59.806"W	0.00	0.00	0.00	
21232.60†	90.000	179.648	12575.00	8417.17	-8419.01	-275.29	722118.72	374019.29	32°01'34.565"N	103°36'59.806"W	0.00	0.00	0.00	
21332.60†	90.000	179.648	12575.00	8517.17	-8519.01	-274.67	722119.34	373919.30	32°01'33.575"N	103°36'59.807"W	0.00	0.00	0.00	
21432.60†	90.000	179.648	12575.00	8617.17	-8619.01	-274.06	722119.95	373819.31	32°01'32.586"N	103°36'59.807"W	0.00	0.00	0.00	
21532.60†	90.000	179.648	12575.00	8717.17	-8719.00	-273.44	722120.57	373719.31	32°01'31.596"N	103°36'59.808"W	0.00	0.00	0.00	
21632.60†	90.000	179.648	12575.00	8817.17	-8819.00	-272.83	722121.18	373619.32	32°01'30.606"N	103°36'59.809"W	0.00	0.00	0.00	
21732.60†	90.000	179.648	12575.00	8917.17	-8919.00	-272.22	722121.79	373519.32	32°01'29.617"N	103°36'59.809"W	0.00	0.00	0.00	
21832.60†	90.000	179.648	12575.00	9017.17	-9019.00	-271.60	722122.41	373419.33	32°01'28.627"N	103°36'59.810"W	0.00	0.00	0.00	
21932.60†	90.000	179.648	12575.00	9117.17	-9119.00	-270.99	722123.02	373319.33	32°01'27.638"N	103°36'59.810"W	0.00	0.00	0.00	
22032.60†	90.000	179.648	12575.00	9217.17	-9219.00	-270.37	722123.64	373219.34	32°01'26.648"N	103°36'59.811"W	0.00	0.00	0.00	
22132.60†	90.000	179.648	12575.00	9317.17	-9318.99	-269.76	722124.25	373119.34	32°01'25.659"N	103°36'59.811"W	0.00	0.00	0.00	
22232.60†	90.000	179.648	12575.00	9417.17	-9418.99	-269.14	722124.87	373019.35	32°01'24.669"N	103°36'59.812"W	0.00	0.00	0.00	
22332.60†	90.000	179.648	12575.00	9517.17	-9518.99	-268.53	722125.48	372919.36	32°01'23.679"N	103°36'59.813"W	0.00	0.00	0.00	
22432.60†	90.000	179.648	12575.00	9617.17	-9618.99	-267.92	722126.09	372819.36	32°01'22.690"N	103°36'59.813"W	0.00	0.00	0.00	
22532.60†	90.000	179.648	12575.00	9717.17	-9718.99	-267.30	722126.71	372719.37	32°01'21.700"N	103°36'59.814"W	0.00	0.00	0.00	
22632.60†	90.000	179.648	12575.00	9817.17	-9818.98	-266.69	722127.32	372619.37	32°01'20.711"N	103°36'59.814"W	0.00	0.00	0.00	
22732.60†	90.000	179.648	12575.00	9917.17	-9918.98	-266.07	722127.94	372519.38	32°01'19.721"N	103°36'59.815"W	0.00	0.00	0.00	
22742.98	90.000	179.648	12575.00†	9927.55	-9929.36	-266.01	722128.00	372509.00	32°01'19.618"N	103°36'59.815"W	0.00	0.00	0.00	End of Tangent



Planned Wellpath Report

SD EA 18 19 Fed Com P13 9H Rev A.0

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 Fed Com P13 9H
Area	Lea County, NM	Well	SD EA 18 19 Fed Com P13 9H
Field	Jennings / Upper BN SPRN Shale (Lea County, NM)	Wellbore	SD EA 18 19 Fed Com P13 9H
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 9H PBHL rev 1	22742.98	12575.00	-9929.36	-266.01	722128.00	372509.00	32°01'19.618"N	103°36'59.815"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 Fed Com P13 9H Ref Wellpath: SD EA 18 19 Fed Com P13 9H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	23015.51	BHI NaviTrak (Standard)		SD EA 18 19 Fed Com P13 9H