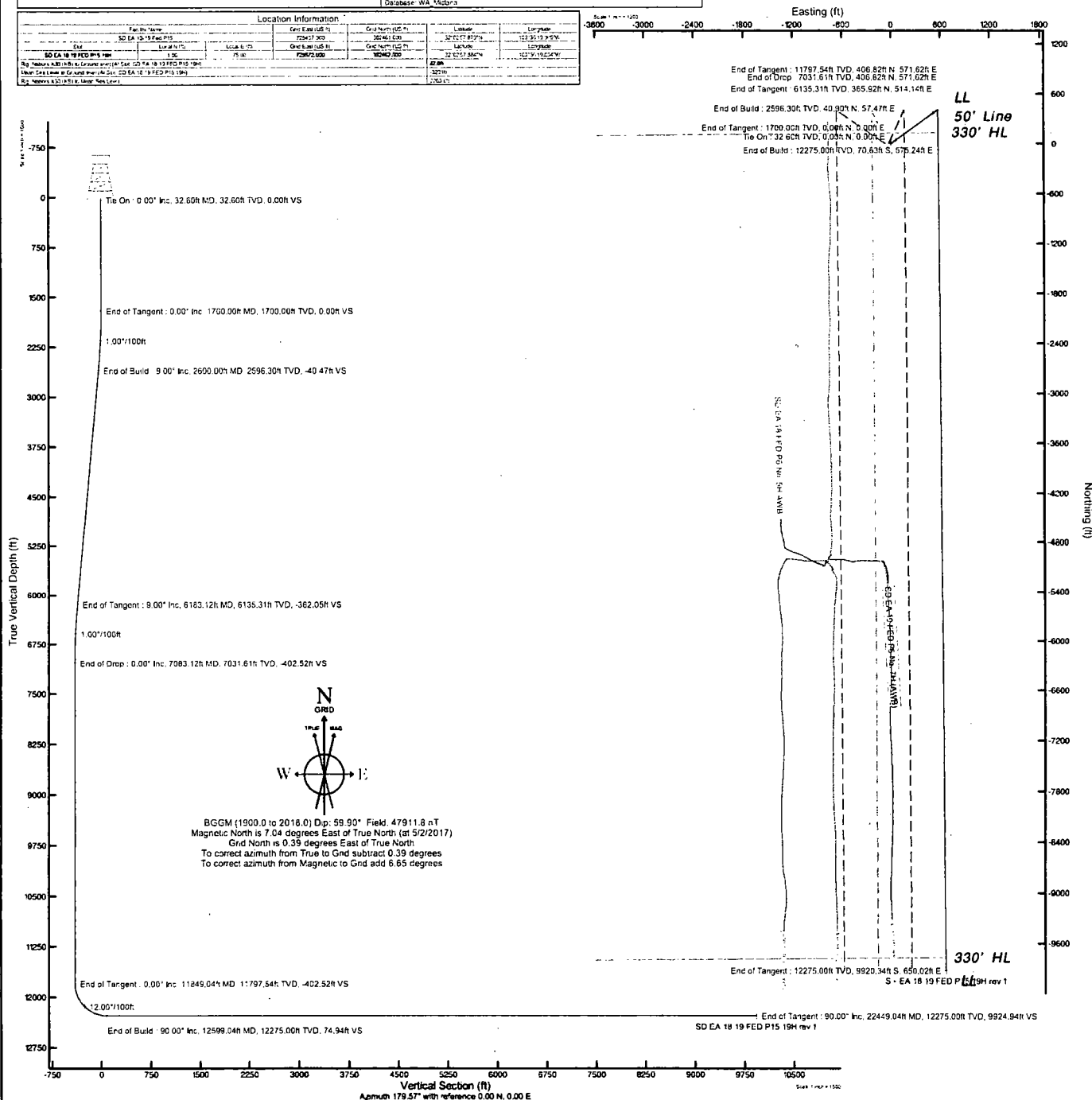






Planned Wellpath Report

SD EA 18 19 FED P15 19H Rev A.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 FED P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

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	5/3/2017 at 1:37:15 PM
Convergence at slot	0.39° East	Database/Source file	WA_Midland/SD_EA_18_19_FED_P15_19H_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	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W
Facility Reference Pt			725497.00	382461.00	32°02'57.879"N	103°36'19.905"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	3263.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3263.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 18 19 FED P15 19H)	32.60ft
MD Reference Pt	Rig: Nabors X30 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.57°



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 FED P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	54.560	0.00	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
32.60	0.000	54.560	32.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	Tie On
132.60†	0.000	54.560	132.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
232.60†	0.000	54.560	232.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
332.60†	0.000	54.560	332.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
432.60†	0.000	54.560	432.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
532.60†	0.000	54.560	532.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
632.60†	0.000	54.560	632.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
732.60†	0.000	54.560	732.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
832.60†	0.000	54.560	832.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
932.60†	0.000	54.560	932.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1032.60†	0.000	54.560	1032.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1132.60†	0.000	54.560	1132.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1232.60†	0.000	54.560	1232.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1332.60†	0.000	54.560	1332.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1432.60†	0.000	54.560	1432.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1532.60†	0.000	54.560	1532.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1632.60†	0.000	54.560	1632.60	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	
1700.00	0.000	54.560	1700.00	0.00	0.00	0.00	725572.00	382462.00	32°02'57.884"N	103°36'19.034"W	0.00	0.00	0.00	End of Tangent
1732.60†	0.326	54.560	1732.60	-0.05	0.05	0.08	725572.08	382462.05	32°02'57.885"N	103°36'19.033"W	1.00	1.00	167.36	
1832.60†	1.326	54.560	1832.59	-0.88	0.89	1.25	725573.25	382462.89	32°02'57.893"N	103°36'19.019"W	1.00	1.00	0.00	
1932.60†	2.326	54.560	1932.54	-2.71	2.74	3.85	725575.85	382464.74	32°02'57.911"N	103°36'18.989"W	1.00	1.00	0.00	
2032.60†	3.326	54.560	2032.41	-5.54	5.60	7.86	725579.86	382467.60	32°02'57.939"N	103°36'18.942"W	1.00	1.00	0.00	
2132.60†	4.326	54.560	2132.19	-9.37	9.47	13.30	725585.30	382471.46	32°02'57.977"N	103°36'18.879"W	1.00	1.00	0.00	
2232.60†	5.326	54.560	2231.83	-14.19	14.34	20.15	725592.15	382476.34	32°02'58.025"N	103°36'18.798"W	1.00	1.00	0.00	
2332.60†	6.326	54.560	2331.32	-20.02	20.23	28.42	725600.42	382482.23	32°02'58.083"N	103°36'18.702"W	1.00	1.00	0.00	
2432.60†	7.326	54.560	2430.61	-26.83	27.12	38.11	725610.11	382489.12	32°02'58.150"N	103°36'18.589"W	1.00	1.00	0.00	
2532.60†	8.326	54.560	2529.67	-34.65	35.02	49.20	725621.20	382497.02	32°02'58.227"N	103°36'18.459"W	1.00	1.00	0.00	
2600.00	9.000	54.560	2596.30	-40.47	40.90	57.47	725629.47	382502.90	32°02'58.285"N	103°36'18.363"W	1.00	1.00	0.00	End of Build
2632.60†	9.000	54.560	2628.50	-43.40	43.86	61.63	725633.62	382505.86	32°02'58.314"N	103°36'18.314"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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†	9.000	54.560	2727.27	-52.37	52.93	74.37	725646.37	382514.93	32°02'58.403"N	103°36'18.166"W	0.00	0.00	0.00	
2832.60†	9.000	54.560	2826.04	-61.35	62.00	87.12	725659.11	382524.00	32°02'58.492"N	103°36'18.017"W	0.00	0.00	0.00	
2932.60†	9.000	54.560	2924.81	-70.32	71.07	99.86	725671.86	382533.07	32°02'58.581"N	103°36'17.868"W	0.00	0.00	0.00	
3032.60†	9.000	54.560	3023.58	-79.30	80.14	112.61	725684.60	382542.14	32°02'58.670"N	103°36'17.719"W	0.00	0.00	0.00	
3132.60†	9.000	54.560	3122.35	-88.27	89.21	125.35	725697.35	382551.21	32°02'58.759"N	103°36'17.570"W	0.00	0.00	0.00	
3232.60†	9.000	54.560	3221.12	-97.25	98.28	138.10	725710.09	382560.28	32°02'58.848"N	103°36'17.422"W	0.00	0.00	0.00	
3332.60†	9.000	54.560	3319.88	-106.22	107.36	150.84	725722.84	382569.35	32°02'58.937"N	103°36'17.273"W	0.00	0.00	0.00	
3432.60†	9.000	54.560	3418.65	-115.20	116.43	163.59	725735.58	382578.42	32°02'59.025"N	103°36'17.124"W	0.00	0.00	0.00	
3532.60†	9.000	54.560	3517.42	-124.17	125.50	176.33	725748.33	382587.49	32°02'59.114"N	103°36'16.975"W	0.00	0.00	0.00	
3632.60†	9.000	54.560	3616.19	-133.15	134.57	189.08	725761.07	382596.56	32°02'59.203"N	103°36'16.827"W	0.00	0.00	0.00	
3732.60†	9.000	54.560	3714.96	-142.12	143.64	201.82	725773.82	382605.63	32°02'59.292"N	103°36'16.678"W	0.00	0.00	0.00	
3832.60†	9.000	54.560	3813.73	-151.09	152.71	214.57	725786.56	382614.70	32°02'59.381"N	103°36'16.529"W	0.00	0.00	0.00	
3932.60†	9.000	54.560	3912.50	-160.07	161.78	227.31	725799.30	382623.77	32°02'59.470"N	103°36'16.380"W	0.00	0.00	0.00	
4032.60†	9.000	54.560	4011.27	-169.04	170.85	240.06	725812.05	382632.85	32°02'59.559"N	103°36'16.231"W	0.00	0.00	0.00	
4132.60†	9.000	54.560	4110.03	-178.02	179.92	252.80	725824.79	382641.92	32°02'59.648"N	103°36'16.083"W	0.00	0.00	0.00	
4232.60†	9.000	54.560	4208.80	-186.99	188.99	265.55	725837.54	382650.99	32°02'59.737"N	103°36'15.934"W	0.00	0.00	0.00	
4332.60†	9.000	54.560	4307.57	-195.97	198.06	278.29	725850.28	382660.06	32°02'59.826"N	103°36'15.785"W	0.00	0.00	0.00	
4432.60†	9.000	54.560	4406.34	-204.94	207.13	291.04	725863.03	382669.13	32°02'59.915"N	103°36'15.636"W	0.00	0.00	0.00	
4532.60†	9.000	54.560	4505.11	-213.92	216.21	303.78	725875.77	382678.20	32°03'00.003"N	103°36'15.487"W	0.00	0.00	0.00	
4632.60†	9.000	54.560	4603.88	-222.89	225.28	316.53	725888.52	382687.27	32°03'00.092"N	103°36'15.339"W	0.00	0.00	0.00	
4732.60†	9.000	54.560	4702.65	-231.87	234.35	329.27	725901.26	382696.34	32°03'00.181"N	103°36'15.190"W	0.00	0.00	0.00	
4832.60†	9.000	54.560	4801.42	-240.84	243.42	342.02	725914.01	382705.41	32°03'00.270"N	103°36'15.041"W	0.00	0.00	0.00	
4932.60†	9.000	54.560	4900.19	-249.82	252.49	354.76	725926.75	382714.48	32°03'00.359"N	103°36'14.892"W	0.00	0.00	0.00	
5032.60†	9.000	54.560	4998.95	-258.79	261.56	367.51	725939.50	382723.55	32°03'00.448"N	103°36'14.744"W	0.00	0.00	0.00	
5132.60†	9.000	54.560	5097.72	-267.77	270.63	380.25	725952.24	382732.62	32°03'00.537"N	103°36'14.595"W	0.00	0.00	0.00	
5232.60†	9.000	54.560	5196.49	-276.74	279.70	393.00	725964.99	382741.69	32°03'00.626"N	103°36'14.446"W	0.00	0.00	0.00	
5332.60†	9.000	54.560	5295.26	-285.72	288.77	405.74	725977.73	382750.76	32°03'00.715"N	103°36'14.297"W	0.00	0.00	0.00	
5432.60†	9.000	54.560	5394.03	-294.69	297.84	418.49	725990.47	382759.83	32°03'00.804"N	103°36'14.148"W	0.00	0.00	0.00	
5532.60†	9.000	54.560	5492.80	-303.67	306.91	431.23	726003.22	382768.90	32°03'00.893"N	103°36'14.000"W	0.00	0.00	0.00	
5632.60†	9.000	54.560	5591.57	-312.64	315.98	443.98	726015.96	382777.97	32°03'00.981"N	103°36'13.851"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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
5732.60†	9.000	54.560	5690.34	-321.62	325.05	456.72	726028.71	382787.04	32°03'01.070"N	103°36'13.702"W	0.00	0.00	0.00	
5832.60†	9.000	54.560	5789.10	-330.59	334.13	469.47	726041.45	382796.11	32°03'01.159"N	103°36'13.553"W	0.00	0.00	0.00	
5932.60†	9.000	54.560	5887.87	-339.57	343.20	482.21	726054.20	382805.18	32°03'01.248"N	103°36'13.404"W	0.00	0.00	0.00	
6032.60†	9.000	54.560	5986.64	-348.54	352.27	494.96	726066.94	382814.26	32°03'01.337"N	103°36'13.256"W	0.00	0.00	0.00	
6132.60†	9.000	54.560	6085.41	-357.52	361.34	507.70	726079.69	382823.33	32°03'01.426"N	103°36'13.107"W	0.00	0.00	0.00	
6183.12	9.000	54.560	6135.31	-362.05	365.92	514.14	726086.13	382827.91	32°03'01.471"N	103°36'13.032"W	0.00	0.00	0.00	End of Tangent
6232.60†	8.505	54.560	6184.21	-366.37	370.29	520.28	726092.26	382832.27	32°03'01.514"N	103°36'12.960"W	1.00	-1.00	0.00	
6332.60†	7.505	54.560	6283.24	-374.36	378.36	531.62	726103.61	382840.35	32°03'01.593"N	103°36'12.828"W	1.00	-1.00	0.00	
6432.60†	6.505	54.560	6382.49	-381.36	385.43	541.56	726113.54	382847.42	32°03'01.662"N	103°36'12.712"W	1.00	-1.00	0.00	
6532.60†	5.505	54.560	6481.94	-387.36	391.50	550.08	726122.06	382853.49	32°03'01.722"N	103°36'12.612"W	1.00	-1.00	0.00	
6632.60†	4.505	54.560	6581.56	-392.37	396.56	557.19	726129.17	382858.54	32°03'01.771"N	103°36'12.529"W	1.00	-1.00	0.00	
6732.60†	3.505	54.560	6681.31	-396.37	400.61	562.88	726134.86	382862.59	32°03'01.811"N	103°36'12.463"W	1.00	-1.00	0.00	
6832.60†	2.505	54.560	6781.17	-399.38	403.65	567.15	726139.13	382865.63	32°03'01.841"N	103°36'12.413"W	1.00	-1.00	0.00	
6932.60†	1.505	54.560	6881.11	-401.39	405.68	570.00	726141.98	382867.66	32°03'01.861"N	103°36'12.380"W	1.00	-1.00	0.00	
7032.60†	0.505	54.560	6981.09	-402.39	406.69	571.43	726143.41	382868.68	32°03'01.871"N	103°36'12.363"W	1.00	-1.00	0.00	
7083.12	0.000	179.565	7031.61	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	1.00	-1.00	-107.99	End of Drop
7132.60†	0.000	179.565	7081.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7232.60†	0.000	179.565	7181.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7332.60†	0.000	179.565	7281.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7432.60†	0.000	179.565	7381.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7532.60†	0.000	179.565	7481.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7632.60†	0.000	179.565	7581.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7732.60†	0.000	179.565	7681.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7832.60†	0.000	179.565	7781.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
7932.60†	0.000	179.565	7881.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8032.60†	0.000	179.565	7981.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8132.60†	0.000	179.565	8081.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8232.60†	0.000	179.565	8181.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8332.60†	0.000	179.565	8281.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8432.60†	0.000	179.565	8381.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	179.565	8481.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8632.60†	0.000	179.565	8581.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8732.60†	0.000	179.565	8681.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8832.60†	0.000	179.565	8781.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
8932.60†	0.000	179.565	8881.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9032.60†	0.000	179.565	8981.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9132.60†	0.000	179.565	9081.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9232.60†	0.000	179.565	9181.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9332.60†	0.000	179.565	9281.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9432.60†	0.000	179.565	9381.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9532.60†	0.000	179.565	9481.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9632.60†	0.000	179.565	9581.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9732.60†	0.000	179.565	9681.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9832.60†	0.000	179.565	9781.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
9932.60†	0.000	179.565	9881.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10032.60†	0.000	179.565	9981.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10132.60†	0.000	179.565	10081.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10232.60†	0.000	179.565	10181.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10332.60†	0.000	179.565	10281.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10432.60†	0.000	179.565	10381.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10532.60†	0.000	179.565	10481.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10632.60†	0.000	179.565	10581.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10732.60†	0.000	179.565	10681.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10832.60†	0.000	179.565	10781.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
10932.60†	0.000	179.565	10881.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11032.60†	0.000	179.565	10981.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11132.60†	0.000	179.565	11081.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11232.60†	0.000	179.565	11181.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11332.60†	0.000	179.565	11281.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11432.60†	0.000	179.565	11381.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	179.565	11481.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11632.60†	0.000	179.565	11581.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11732.60†	0.000	179.565	11681.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11832.60†	0.000	179.565	11781.09	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	
11849.04	0.000	179.565	11797.54	-402.52	406.82	571.62	726143.60	382868.81	32°03'01.872"N	103°36'12.361"W	0.00	0.00	0.00	End of Tangent
11932.60†	10.027	179.565	11880.67	-395.23	399.53	571.67	726143.65	382861.52	32°03'01.800"N	103°36'12.361"W	12.00	12.00	214.90	
12032.60†	22.027	179.565	11976.60	-367.67	371.97	571.88	726143.86	382833.96	32°03'01.527"N	103°36'12.360"W	12.00	12.00	0.00	
12132.60†	34.027	179.565	12064.72	-320.77	325.07	572.24	726144.22	382787.06	32°03'01.063"N	103°36'12.360"W	12.00	12.00	0.00	
12232.60†	46.027	179.565	12141.15	-256.57	260.88	572.72	726144.70	382722.87	32°03'00.427"N	103°36'12.359"W	12.00	12.00	0.00	
12332.60†	58.027	179.565	12202.57	-177.89	182.19	573.32	726145.30	382644.19	32°02'59.649"N	103°36'12.359"W	12.00	12.00	0.00	
12432.60†	70.027	179.565	12246.28	-88.15	92.46	574.00	726145.98	382554.46	32°02'58.761"N	103°36'12.358"W	12.00	12.00	0.00	
12532.60†	82.027	179.565	12270.38	8.71	-4.40	574.74	726146.72	382457.60	32°02'57.802"N	103°36'12.357"W	12.00	12.00	0.00	
12599.04	90.000	179.565	12275.00	74.94	-70.63	575.24	726147.22	382391.38	32°02'57.147"N	103°36'12.356"W	12.00	12.00	0.00	End of Build
12632.60†	90.000	179.565	12275.00	108.50	-104.18	575.49	726147.48	382357.82	32°02'56.815"N	103°36'12.356"W	0.00	0.00	0.00	
12732.60†	90.000	179.565	12275.00	208.50	-204.18	576.25	726148.23	382257.83	32°02'55.825"N	103°36'12.355"W	0.00	0.00	0.00	
12832.60†	90.000	179.565	12275.00	308.50	-304.18	577.01	726148.99	382157.83	32°02'54.836"N	103°36'12.354"W	0.00	0.00	0.00	
12932.60†	90.000	179.565	12275.00	408.50	-404.18	577.77	726149.75	382057.84	32°02'53.846"N	103°36'12.353"W	0.00	0.00	0.00	
13032.60†	90.000	179.565	12275.00	508.50	-504.17	578.53	726150.51	381957.85	32°02'52.857"N	103°36'12.352"W	0.00	0.00	0.00	
13132.60†	90.000	179.565	12275.00	608.50	-604.17	579.29	726151.27	381857.85	32°02'51.867"N	103°36'12.351"W	0.00	0.00	0.00	
13232.60†	90.000	179.565	12275.00	708.50	-704.17	580.05	726152.03	381757.86	32°02'50.877"N	103°36'12.350"W	0.00	0.00	0.00	
13332.60†	90.000	179.565	12275.00	808.50	-804.16	580.81	726152.79	381657.86	32°02'49.888"N	103°36'12.349"W	0.00	0.00	0.00	
13432.60†	90.000	179.565	12275.00	908.50	-904.16	581.57	726153.55	381557.87	32°02'48.898"N	103°36'12.348"W	0.00	0.00	0.00	
13532.60†	90.000	179.565	12275.00	1008.50	-1004.16	582.33	726154.31	381457.88	32°02'47.909"N	103°36'12.347"W	0.00	0.00	0.00	
13632.60†	90.000	179.565	12275.00	1108.50	-1104.16	583.09	726155.07	381357.88	32°02'46.919"N	103°36'12.346"W	0.00	0.00	0.00	
13732.60†	90.000	179.565	12275.00	1208.50	-1204.15	583.85	726155.83	381257.89	32°02'45.930"N	103°36'12.345"W	0.00	0.00	0.00	
13832.60†	90.000	179.565	12275.00	1308.50	-1304.15	584.61	726156.59	381157.90	32°02'44.940"N	103°36'12.344"W	0.00	0.00	0.00	
13932.60†	90.000	179.565	12275.00	1408.50	-1404.15	585.36	726157.34	381057.90	32°02'43.950"N	103°36'12.343"W	0.00	0.00	0.00	
14032.60†	90.000	179.565	12275.00	1508.50	-1504.14	586.12	726158.10	380957.91	32°02'42.961"N	103°36'12.342"W	0.00	0.00	0.00	
14132.60†	90.000	179.565	12275.00	1608.50	-1604.14	586.88	726158.86	380857.91	32°02'41.971"N	103°36'12.341"W	0.00	0.00	0.00	
14232.60†	90.000	179.565	12275.00	1708.50	-1704.14	587.64	726159.62	380757.92	32°02'40.982"N	103°36'12.340"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	179.565	12275.00	1808.50	-1804.13	588.40	726160.38	380657.93	32°02'39.992"N	103°36'12.339"W	0.00	0.00	0.00	
14432.60†	90.000	179.565	12275.00	1908.50	-1904.13	589.16	726161.14	380557.93	32°02'39.003"N	103°36'12.338"W	0.00	0.00	0.00	
14532.60†	90.000	179.565	12275.00	2008.50	-2004.13	589.92	726161.90	380457.94	32°02'38.013"N	103°36'12.337"W	0.00	0.00	0.00	
14632.60†	90.000	179.565	12275.00	2108.50	-2104.13	590.68	726162.66	380357.95	32°02'37.023"N	103°36'12.337"W	0.00	0.00	0.00	
14732.60†	90.000	179.565	12275.00	2208.50	-2204.12	591.44	726163.42	380257.95	32°02'36.034"N	103°36'12.336"W	0.00	0.00	0.00	
14832.60†	90.000	179.565	12275.00	2308.50	-2304.12	592.20	726164.18	380157.96	32°02'35.044"N	103°36'12.335"W	0.00	0.00	0.00	
14932.60†	90.000	179.565	12275.00	2408.50	-2404.12	592.96	726164.94	380057.97	32°02'34.055"N	103°36'12.334"W	0.00	0.00	0.00	
15032.60†	90.000	179.565	12275.00	2508.50	-2504.11	593.72	726165.70	379957.97	32°02'33.065"N	103°36'12.333"W	0.00	0.00	0.00	
15132.60†	90.000	179.565	12275.00	2608.50	-2604.11	594.48	726166.45	379857.98	32°02'32.076"N	103°36'12.332"W	0.00	0.00	0.00	
15232.60†	90.000	179.565	12275.00	2708.50	-2704.11	595.23	726167.21	379757.98	32°02'31.086"N	103°36'12.331"W	0.00	0.00	0.00	
15332.60†	90.000	179.565	12275.00	2808.50	-2804.11	595.99	726167.97	379657.99	32°02'30.096"N	103°36'12.330"W	0.00	0.00	0.00	
15432.60†	90.000	179.565	12275.00	2908.50	-2904.10	596.75	726168.73	379558.00	32°02'29.107"N	103°36'12.329"W	0.00	0.00	0.00	
15532.60†	90.000	179.565	12275.00	3008.50	-3004.10	597.51	726169.49	379458.00	32°02'28.117"N	103°36'12.328"W	0.00	0.00	0.00	
15632.60†	90.000	179.565	12275.00	3108.50	-3104.10	598.27	726170.25	379358.01	32°02'27.128"N	103°36'12.327"W	0.00	0.00	0.00	
15732.60†	90.000	179.565	12275.00	3208.50	-3204.09	599.03	726171.01	379258.02	32°02'26.138"N	103°36'12.326"W	0.00	0.00	0.00	
15832.60†	90.000	179.565	12275.00	3308.50	-3304.09	599.79	726171.77	379158.02	32°02'25.148"N	103°36'12.325"W	0.00	0.00	0.00	
15932.60†	90.000	179.565	12275.00	3408.50	-3404.09	600.55	726172.53	379058.03	32°02'24.159"N	103°36'12.324"W	0.00	0.00	0.00	
16032.60†	90.000	179.565	12275.00	3508.50	-3504.09	601.31	726173.29	378958.04	32°02'23.169"N	103°36'12.323"W	0.00	0.00	0.00	
16132.60†	90.000	179.565	12275.00	3608.50	-3604.08	602.07	726174.05	378858.04	32°02'22.180"N	103°36'12.322"W	0.00	0.00	0.00	
16232.60†	90.000	179.565	12275.00	3708.50	-3704.08	602.83	726174.81	378758.05	32°02'21.190"N	103°36'12.321"W	0.00	0.00	0.00	
16332.60†	90.000	179.565	12275.00	3808.50	-3804.08	603.59	726175.56	378658.05	32°02'20.201"N	103°36'12.320"W	0.00	0.00	0.00	
16432.60†	90.000	179.565	12275.00	3908.50	-3904.07	604.35	726176.32	378558.06	32°02'19.211"N	103°36'12.319"W	0.00	0.00	0.00	
16532.60†	90.000	179.565	12275.00	4008.50	-4004.07	605.10	726177.08	378458.07	32°02'18.221"N	103°36'12.318"W	0.00	0.00	0.00	
16632.60†	90.000	179.565	12275.00	4108.50	-4104.07	605.86	726177.84	378358.07	32°02'17.232"N	103°36'12.317"W	0.00	0.00	0.00	
16732.60†	90.000	179.565	12275.00	4208.50	-4204.07	606.62	726178.60	378258.08	32°02'16.242"N	103°36'12.316"W	0.00	0.00	0.00	
16832.60†	90.000	179.565	12275.00	4308.50	-4304.06	607.38	726179.36	378158.09	32°02'15.253"N	103°36'12.315"W	0.00	0.00	0.00	
16932.60†	90.000	179.565	12275.00	4408.50	-4404.06	608.14	726180.12	378058.09	32°02'14.263"N	103°36'12.314"W	0.00	0.00	0.00	
17032.60†	90.000	179.565	12275.00	4508.50	-4504.06	608.90	726180.88	377958.10	32°02'13.274"N	103°36'12.313"W	0.00	0.00	0.00	
17132.60†	90.000	179.565	12275.00	4608.50	-4604.05	609.66	726181.64	377858.11	32°02'12.284"N	103°36'12.312"W	0.00	0.00	0.00	
17232.60†	90.000	179.565	12275.00	4708.50	-4704.05	610.42	726182.40	377758.11	32°02'11.294"N	103°36'12.311"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	179.565	12275.00	4808.50	-4804.05	611.18	726183.16	377658.12	32°02'10.305"N	103°36'12.310"W	0.00	0.00	0.00	
17432.60†	90.000	179.565	12275.00	4908.50	-4904.05	611.94	726183.92	377558.12	32°02'09.315"N	103°36'12.309"W	0.00	0.00	0.00	
17532.60†	90.000	179.565	12275.00	5008.50	-5004.04	612.70	726184.68	377458.13	32°02'08.326"N	103°36'12.308"W	0.00	0.00	0.00	
17632.60†	90.000	179.565	12275.00	5108.50	-5104.04	613.46	726185.43	377358.14	32°02'07.336"N	103°36'12.307"W	0.00	0.00	0.00	
17732.60†	90.000	179.565	12275.00	5208.50	-5204.04	614.21	726186.19	377258.14	32°02'06.347"N	103°36'12.306"W	0.00	0.00	0.00	
17832.60†	90.000	179.565	12275.00	5308.50	-5304.03	614.97	726186.95	377158.15	32°02'05.357"N	103°36'12.306"W	0.00	0.00	0.00	
17932.60†	90.000	179.565	12275.00	5408.50	-5404.03	615.73	726187.71	377058.16	32°02'04.367"N	103°36'12.305"W	0.00	0.00	0.00	
18032.60†	90.000	179.565	12275.00	5508.50	-5504.03	616.49	726188.47	376958.16	32°02'03.378"N	103°36'12.304"W	0.00	0.00	0.00	
18132.60†	90.000	179.565	12275.00	5608.50	-5604.03	617.25	726189.23	376858.17	32°02'02.388"N	103°36'12.303"W	0.00	0.00	0.00	
18232.60†	90.000	179.565	12275.00	5708.50	-5704.02	618.01	726189.99	376758.17	32°02'01.399"N	103°36'12.302"W	0.00	0.00	0.00	
18332.60†	90.000	179.565	12275.00	5808.50	-5804.02	618.77	726190.75	376658.18	32°02'00.409"N	103°36'12.301"W	0.00	0.00	0.00	
18432.60†	90.000	179.565	12275.00	5908.50	-5904.02	619.53	726191.51	376558.19	32°01'59.420"N	103°36'12.300"W	0.00	0.00	0.00	
18532.60†	90.000	179.565	12275.00	6008.50	-6004.01	620.29	726192.27	376458.19	32°01'58.430"N	103°36'12.299"W	0.00	0.00	0.00	
18632.60†	90.000	179.565	12275.00	6108.50	-6104.01	621.05	726193.03	376358.20	32°01'57.440"N	103°36'12.298"W	0.00	0.00	0.00	
18732.60†	90.000	179.565	12275.00	6208.50	-6204.01	621.81	726193.79	376258.21	32°01'56.451"N	103°36'12.297"W	0.00	0.00	0.00	
18832.60†	90.000	179.565	12275.00	6308.50	-6304.01	622.57	726194.54	376158.21	32°01'55.461"N	103°36'12.296"W	0.00	0.00	0.00	
18932.60†	90.000	179.565	12275.00	6408.50	-6404.00	623.33	726195.30	376058.22	32°01'54.472"N	103°36'12.295"W	0.00	0.00	0.00	
19032.60†	90.000	179.565	12275.00	6508.50	-6504.00	624.08	726196.06	375958.23	32°01'53.482"N	103°36'12.294"W	0.00	0.00	0.00	
19132.60†	90.000	179.565	12275.00	6608.50	-6604.00	624.84	726196.82	375858.23	32°01'52.492"N	103°36'12.293"W	0.00	0.00	0.00	
19232.60†	90.000	179.565	12275.00	6708.50	-6703.99	625.60	726197.58	375758.24	32°01'51.503"N	103°36'12.292"W	0.00	0.00	0.00	
19332.60†	90.000	179.565	12275.00	6808.50	-6803.99	626.36	726198.34	375658.24	32°01'50.513"N	103°36'12.291"W	0.00	0.00	0.00	
19432.60†	90.000	179.565	12275.00	6908.50	-6903.99	627.12	726199.10	375558.25	32°01'49.524"N	103°36'12.290"W	0.00	0.00	0.00	
19532.60†	90.000	179.565	12275.00	7008.50	-7003.99	627.88	726199.86	375458.26	32°01'48.534"N	103°36'12.289"W	0.00	0.00	0.00	
19632.60†	90.000	179.565	12275.00	7108.50	-7103.98	628.64	726200.62	375358.26	32°01'47.545"N	103°36'12.288"W	0.00	0.00	0.00	
19732.60†	90.000	179.565	12275.00	7208.50	-7203.98	629.40	726201.38	375258.27	32°01'46.555"N	103°36'12.287"W	0.00	0.00	0.00	
19832.60†	90.000	179.565	12275.00	7308.50	-7303.98	630.16	726202.14	375158.28	32°01'45.565"N	103°36'12.286"W	0.00	0.00	0.00	
19932.60†	90.000	179.565	12275.00	7408.50	-7403.97	630.92	726202.90	375058.28	32°01'44.576"N	103°36'12.285"W	0.00	0.00	0.00	
20032.60†	90.000	179.565	12275.00	7508.50	-7503.97	631.68	726203.65	374958.29	32°01'43.586"N	103°36'12.284"W	0.00	0.00	0.00	
20132.60†	90.000	179.565	12275.00	7608.50	-7603.97	632.44	726204.41	374858.30	32°01'42.597"N	103°36'12.283"W	0.00	0.00	0.00	
20232.60†	90.000	179.565	12275.00	7708.50	-7703.96	633.20	726205.17	374758.30	32°01'41.607"N	103°36'12.282"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

WELLPATH DATA (233 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	179.565	12275.00	7808.50	-7803.96	633.95	726205.93	374658.31	32°01'40.618"N	103°36'12.281"W	0.00	0.00	0.00	
20432.60†	90.000	179.565	12275.00	7908.50	-7903.96	634.71	726206.69	374558.31	32°01'39.628"N	103°36'12.280"W	0.00	0.00	0.00	
20532.60†	90.000	179.565	12275.00	8008.50	-8003.96	635.47	726207.45	374458.32	32°01'38.638"N	103°36'12.279"W	0.00	0.00	0.00	
20632.60†	90.000	179.565	12275.00	8108.50	-8103.95	636.23	726208.21	374358.33	32°01'37.649"N	103°36'12.278"W	0.00	0.00	0.00	
20732.60†	90.000	179.565	12275.00	8208.50	-8203.95	636.99	726208.97	374258.33	32°01'36.659"N	103°36'12.277"W	0.00	0.00	0.00	
20832.60†	90.000	179.565	12275.00	8308.50	-8303.95	637.75	726209.73	374158.34	32°01'35.670"N	103°36'12.276"W	0.00	0.00	0.00	
20932.60†	90.000	179.565	12275.00	8408.50	-8403.94	638.51	726210.49	374058.35	32°01'34.680"N	103°36'12.275"W	0.00	0.00	0.00	
21032.60†	90.000	179.565	12275.00	8508.50	-8503.94	639.27	726211.25	373958.35	32°01'33.691"N	103°36'12.274"W	0.00	0.00	0.00	
21132.60†	90.000	179.565	12275.00	8608.50	-8603.94	640.03	726212.01	373858.36	32°01'32.701"N	103°36'12.273"W	0.00	0.00	0.00	
21232.60†	90.000	179.565	12275.00	8708.50	-8703.94	640.79	726212.76	373758.37	32°01'31.711"N	103°36'12.273"W	0.00	0.00	0.00	
21332.60†	90.000	179.565	12275.00	8808.50	-8803.93	641.55	726213.52	373658.37	32°01'30.722"N	103°36'12.272"W	0.00	0.00	0.00	
21432.60†	90.000	179.565	12275.00	8908.50	-8903.93	642.31	726214.28	373558.38	32°01'29.732"N	103°36'12.271"W	0.00	0.00	0.00	
21532.60†	90.000	179.565	12275.00	9008.50	-9003.93	643.06	726215.04	373458.38	32°01'28.743"N	103°36'12.270"W	0.00	0.00	0.00	
21632.60†	90.000	179.565	12275.00	9108.50	-9103.92	643.82	726215.80	373358.39	32°01'27.753"N	103°36'12.269"W	0.00	0.00	0.00	
21732.60†	90.000	179.565	12275.00	9208.50	-9203.92	644.58	726216.56	373258.40	32°01'26.763"N	103°36'12.268"W	0.00	0.00	0.00	
21832.60†	90.000	179.565	12275.00	9308.50	-9303.92	645.34	726217.32	373158.40	32°01'25.774"N	103°36'12.267"W	0.00	0.00	0.00	
21932.60†	90.000	179.565	12275.00	9408.50	-9403.92	646.10	726218.08	373058.41	32°01'24.784"N	103°36'12.266"W	0.00	0.00	0.00	
22032.60†	90.000	179.565	12275.00	9508.50	-9503.91	646.86	726218.84	372958.42	32°01'23.795"N	103°36'12.265"W	0.00	0.00	0.00	
22132.60†	90.000	179.565	12275.00	9608.50	-9603.91	647.62	726219.60	372858.42	32°01'22.805"N	103°36'12.264"W	0.00	0.00	0.00	
22232.60†	90.000	179.565	12275.00	9708.50	-9703.91	648.38	726220.36	372758.43	32°01'21.816"N	103°36'12.263"W	0.00	0.00	0.00	
22332.60†	90.000	179.565	12275.00	9808.50	-9803.90	649.14	726221.12	372658.44	32°01'20.826"N	103°36'12.262"W	0.00	0.00	0.00	
22432.60†	90.000	179.565	12275.00	9908.50	-9903.90	649.90	726221.88	372558.44	32°01'19.836"N	103°36'12.261"W	0.00	0.00	0.00	
22449.04	90.000	179.565	12275.00	9924.94	-9920.34	650.02	726222.00	372542.00	32°01'19.674"N	103°36'12.261"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 P15 19H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 19H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 19H PWB
Facility	SD EA 18-19 Fed P15		

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 P15 19H rev 1	22449.04	12275.00	-9920.34	650.02	726222.00	372542.00	32°01'19.674"N	103°36'12.261"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 18 19 FED P15 19H PWB Ref Wellpath: SD EA 18 19 FED P15 19H Rev A.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	22449.04	BHI NaviTrak (Standard)		SD EA 18 19 FED P15 19H PWB