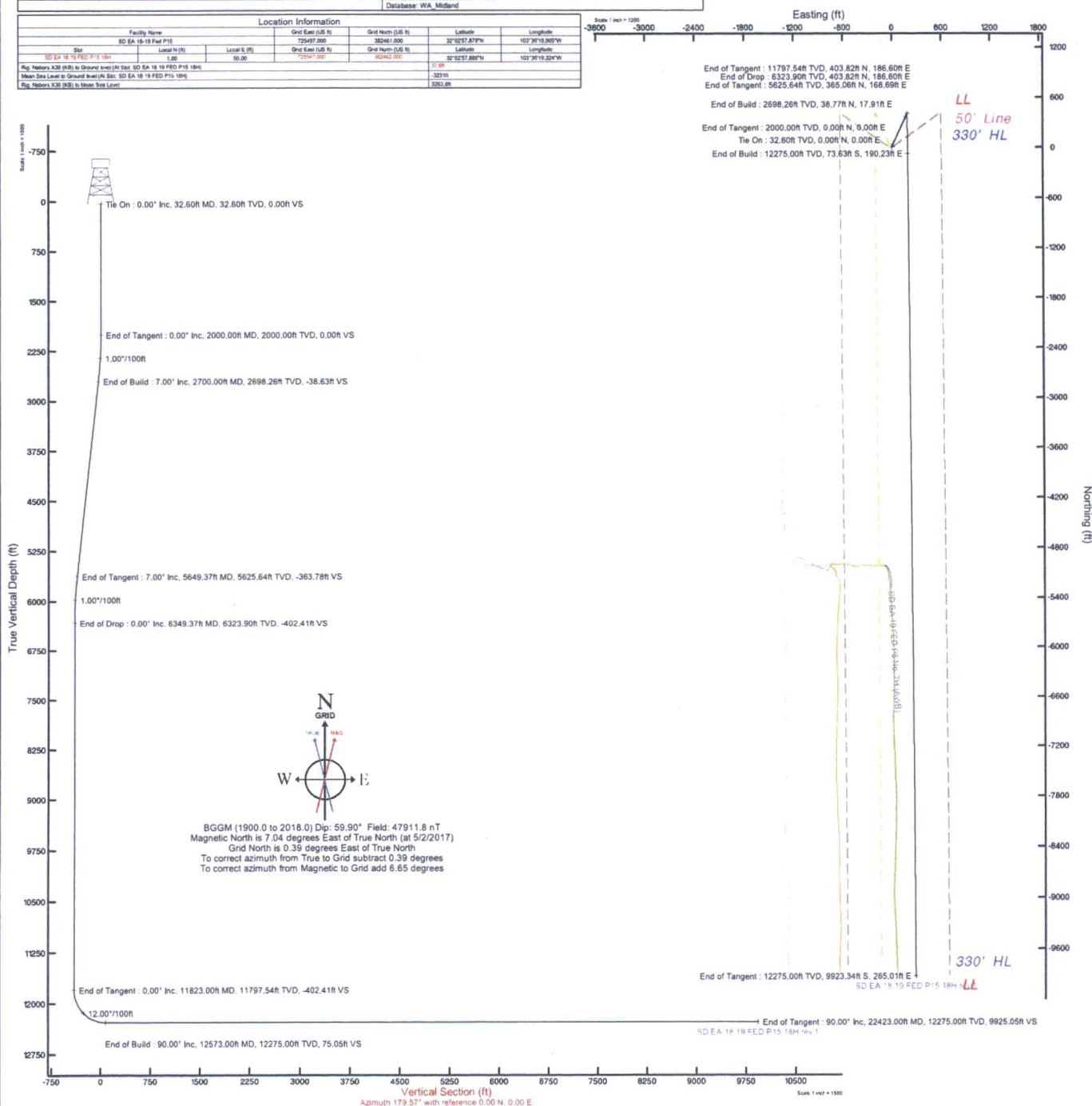






Planned Wellpath Report

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

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 18 19 FED P15 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H 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 1:28:37 PM
Convergence at slot	0.39° East	Database/Source file	WA_Midland/SD_EA_18_19_FED_P15_18H_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	50.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"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 18H)	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°



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

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

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	24.801	0.00	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
32.60	0.000	24.801	32.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	Tie On
132.60†	0.000	24.801	132.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
232.60†	0.000	24.801	232.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
332.60†	0.000	24.801	332.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
432.60†	0.000	24.801	432.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
532.60†	0.000	24.801	532.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
632.60†	0.000	24.801	632.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
732.60†	0.000	24.801	732.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
832.60†	0.000	24.801	832.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
932.60†	0.000	24.801	932.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1032.60†	0.000	24.801	1032.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1132.60†	0.000	24.801	1132.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1232.60†	0.000	24.801	1232.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1332.60†	0.000	24.801	1332.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1432.60†	0.000	24.801	1432.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1532.60†	0.000	24.801	1532.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1632.60†	0.000	24.801	1632.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1732.60†	0.000	24.801	1732.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1832.60†	0.000	24.801	1832.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
1932.60†	0.000	24.801	1932.60	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	
2000.00	0.000	24.801	2000.00	0.00	0.00	0.00	725547.00	382462.00	32°02'57.886"N	103°36'19.324"W	0.00	0.00	0.00	End of Tangent
2032.60†	0.326	24.801	2032.60	-0.08	0.08	0.04	725547.04	382462.08	32°02'57.887"N	103°36'19.324"W	1.00	1.00	76.08	
2132.60†	1.326	24.801	2132.59	-1.39	1.39	0.64	725547.64	382463.39	32°02'57.900"N	103°36'19.317"W	1.00	1.00	0.00	
2232.60†	2.326	24.801	2232.54	-4.27	4.29	1.98	725548.98	382466.29	32°02'57.928"N	103°36'19.301"W	1.00	1.00	0.00	
2332.60†	3.326	24.801	2332.41	-8.73	8.76	4.05	725551.05	382470.76	32°02'57.972"N	103°36'19.277"W	1.00	1.00	0.00	
2432.60†	4.326	24.801	2432.19	-14.77	14.82	6.85	725553.85	382476.82	32°02'58.032"N	103°36'19.244"W	1.00	1.00	0.00	
2532.60†	5.326	24.801	2531.83	-22.38	22.45	10.38	725557.38	382484.45	32°02'58.107"N	103°36'19.202"W	1.00	1.00	0.00	
2632.60†	6.326	24.801	2631.32	-31.56	31.67	14.63	725561.63	382493.67	32°02'58.198"N	103°36'19.152"W	1.00	1.00	0.00	
2700.00	7.000	24.801	2698.26	-38.63	38.77	17.91	725564.91	382500.77	32°02'58.268"N	103°36'19.113"W	1.00	1.00	0.00	End of Build



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

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

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†	7.000	24.801	2730.62	-42.23	42.37	19.58	725566.58	382504.37	32°02'58.304"N	103°36'19.093"W	0.00	0.00	0.00	
2832.60†	7.000	24.801	2829.87	-53.25	53.44	24.69	725571.69	382515.44	32°02'58.413"N	103°36'19.033"W	0.00	0.00	0.00	
2932.60†	7.000	24.801	2929.13	-64.28	64.50	29.81	725576.80	382526.50	32°02'58.522"N	103°36'18.973"W	0.00	0.00	0.00	
3032.60†	7.000	24.801	3028.38	-75.30	75.56	34.92	725581.92	382537.56	32°02'58.631"N	103°36'18.913"W	0.00	0.00	0.00	
3132.60†	7.000	24.801	3127.64	-86.32	86.63	40.03	725587.03	382548.62	32°02'58.740"N	103°36'18.852"W	0.00	0.00	0.00	
3232.60†	7.000	24.801	3226.89	-97.35	97.69	45.14	725592.14	382559.69	32°02'58.850"N	103°36'18.792"W	0.00	0.00	0.00	
3332.60†	7.000	24.801	3326.14	-108.37	108.75	50.25	725597.25	382570.75	32°02'58.959"N	103°36'18.732"W	0.00	0.00	0.00	
3432.60†	7.000	24.801	3425.40	-119.40	119.82	55.37	725602.36	382581.81	32°02'59.068"N	103°36'18.672"W	0.00	0.00	0.00	
3532.60†	7.000	24.801	3524.65	-130.42	130.88	60.48	725607.48	382592.87	32°02'59.177"N	103°36'18.611"W	0.00	0.00	0.00	
3632.60†	7.000	24.801	3623.91	-141.45	141.94	65.59	725612.59	382603.94	32°02'59.286"N	103°36'18.551"W	0.00	0.00	0.00	
3732.60†	7.000	24.801	3723.16	-152.47	153.00	70.70	725617.70	382615.00	32°02'59.395"N	103°36'18.491"W	0.00	0.00	0.00	
3832.60†	7.000	24.801	3822.42	-163.49	164.07	75.81	725622.81	382626.06	32°02'59.504"N	103°36'18.431"W	0.00	0.00	0.00	
3932.60†	7.000	24.801	3921.67	-174.52	175.13	80.93	725627.92	382637.12	32°02'59.614"N	103°36'18.370"W	0.00	0.00	0.00	
4032.60†	7.000	24.801	4020.93	-185.54	186.19	86.04	725633.03	382648.19	32°02'59.723"N	103°36'18.310"W	0.00	0.00	0.00	
4132.60†	7.000	24.801	4120.18	-196.57	197.26	91.15	725638.15	382659.25	32°02'59.832"N	103°36'18.250"W	0.00	0.00	0.00	
4232.60†	7.000	24.801	4219.44	-207.59	208.32	96.26	725643.26	382670.31	32°02'59.941"N	103°36'18.190"W	0.00	0.00	0.00	
4332.60†	7.000	24.801	4318.69	-218.61	219.38	101.37	725648.37	382681.37	32°03'00.050"N	103°36'18.129"W	0.00	0.00	0.00	
4432.60†	7.000	24.801	4417.95	-229.64	230.44	106.49	725653.48	382692.44	32°03'00.159"N	103°36'18.069"W	0.00	0.00	0.00	
4532.60†	7.000	24.801	4517.20	-240.66	241.51	111.60	725658.59	382703.50	32°03'00.268"N	103°36'18.009"W	0.00	0.00	0.00	
4632.60†	7.000	24.801	4616.45	-251.69	252.57	116.71	725663.71	382714.56	32°03'00.377"N	103°36'17.948"W	0.00	0.00	0.00	
4732.60†	7.000	24.801	4715.71	-262.71	263.63	121.82	725668.82	382725.62	32°03'00.487"N	103°36'17.888"W	0.00	0.00	0.00	
4832.60†	7.000	24.801	4814.96	-273.74	274.70	126.93	725673.93	382736.69	32°03'00.596"N	103°36'17.828"W	0.00	0.00	0.00	
4932.60†	7.000	24.801	4914.22	-284.76	285.76	132.05	725679.04	382747.75	32°03'00.705"N	103°36'17.768"W	0.00	0.00	0.00	
5032.60†	7.000	24.801	5013.47	-295.78	296.82	137.16	725684.15	382758.81	32°03'00.814"N	103°36'17.707"W	0.00	0.00	0.00	
5132.60†	7.000	24.801	5112.73	-306.81	307.89	142.27	725689.27	382769.87	32°03'00.923"N	103°36'17.647"W	0.00	0.00	0.00	
5232.60†	7.000	24.801	5211.98	-317.83	318.95	147.38	725694.38	382780.94	32°03'01.032"N	103°36'17.587"W	0.00	0.00	0.00	
5332.60†	7.000	24.801	5311.24	-328.86	330.01	152.49	725699.49	382792.00	32°03'01.141"N	103°36'17.527"W	0.00	0.00	0.00	
5432.60†	7.000	24.801	5410.49	-339.88	341.07	157.61	725704.60	382803.06	32°03'01.251"N	103°36'17.466"W	0.00	0.00	0.00	
5532.60†	7.000	24.801	5509.75	-350.91	352.14	162.72	725709.71	382814.12	32°03'01.360"N	103°36'17.406"W	0.00	0.00	0.00	
5632.60†	7.000	24.801	5609.00	-361.93	363.20	167.83	725714.82	382825.19	32°03'01.469"N	103°36'17.346"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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
5649.37	7.000	24.801	5625.64	-363.78	365.06	168.69	725715.68	382827.04	32°03'01.487"N	103°36'17.336"W	0.00	0.00	0.00	End of Tangent
5732.60†	6.168	24.801	5708.33	-372.41	373.72	172.69	725719.68	382835.70	32°03'01.573"N	103°36'17.289"W	1.00	-1.00	0.00	
5832.60†	5.168	24.801	5807.84	-381.34	382.68	176.83	725723.83	382844.67	32°03'01.661"N	103°36'17.240"W	1.00	-1.00	0.00	
5932.60†	4.168	24.801	5907.50	-388.71	390.07	180.25	725727.24	382852.06	32°03'01.734"N	103°36'17.200"W	1.00	-1.00	0.00	
6032.60†	3.168	24.801	6007.30	-394.49	395.88	182.93	725729.92	382857.86	32°03'01.791"N	103°36'17.168"W	1.00	-1.00	0.00	
6132.60†	2.168	24.801	6107.19	-398.70	400.10	184.88	725731.88	382862.09	32°03'01.833"N	103°36'17.145"W	1.00	-1.00	0.00	
6232.60†	1.168	24.801	6207.14	-401.34	402.74	186.10	725733.10	382864.73	32°03'01.859"N	103°36'17.131"W	1.00	-1.00	0.00	
6332.60†	0.168	24.801	6307.14	-402.39	403.80	186.59	725733.59	382865.79	32°03'01.869"N	103°36'17.125"W	1.00	-1.00	0.00	
6349.37	0.000	179.565	6323.90	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	1.00	-1.00	-147.90	End of Drop
6432.60†	0.000	179.565	6407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
6532.60†	0.000	179.565	6507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
6632.60†	0.000	179.565	6607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
6732.60†	0.000	179.565	6707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
6832.60†	0.000	179.565	6807.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
6932.60†	0.000	179.565	6907.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7032.60†	0.000	179.565	7007.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7132.60†	0.000	179.565	7107.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7232.60†	0.000	179.565	7207.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7332.60†	0.000	179.565	7307.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7432.60†	0.000	179.565	7407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7532.60†	0.000	179.565	7507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7632.60†	0.000	179.565	7607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7732.60†	0.000	179.565	7707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7832.60†	0.000	179.565	7807.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
7932.60†	0.000	179.565	7907.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8032.60†	0.000	179.565	8007.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8132.60†	0.000	179.565	8107.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8232.60†	0.000	179.565	8207.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8332.60†	0.000	179.565	8307.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8432.60†	0.000	179.565	8407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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	179.565	8507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8632.60†	0.000	179.565	8607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8732.60†	0.000	179.565	8707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8832.60†	0.000	179.565	8807.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
8932.60†	0.000	179.565	8907.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9032.60†	0.000	179.565	9007.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9132.60†	0.000	179.565	9107.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9232.60†	0.000	179.565	9207.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9332.60†	0.000	179.565	9307.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9432.60†	0.000	179.565	9407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9532.60†	0.000	179.565	9507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9632.60†	0.000	179.565	9607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9732.60†	0.000	179.565	9707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9832.60†	0.000	179.565	9807.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
9932.60†	0.000	179.565	9907.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10032.60†	0.000	179.565	10007.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10132.60†	0.000	179.565	10107.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10232.60†	0.000	179.565	10207.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10332.60†	0.000	179.565	10307.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10432.60†	0.000	179.565	10407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10532.60†	0.000	179.565	10507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10632.60†	0.000	179.565	10607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10732.60†	0.000	179.565	10707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10832.60†	0.000	179.565	10807.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
10932.60†	0.000	179.565	10907.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11032.60†	0.000	179.565	11007.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11132.60†	0.000	179.565	11107.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11232.60†	0.000	179.565	11207.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11332.60†	0.000	179.565	11307.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11432.60†	0.000	179.565	11407.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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	179.565	11507.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11632.60†	0.000	179.565	11607.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11732.60†	0.000	179.565	11707.14	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	
11823.00	0.000	179.565	11797.54	-402.41	403.82	186.60	725733.60	382865.81	32°03'01.870"N	103°36'17.125"W	0.00	0.00	0.00	End of Tangent
11832.60†	1.152	179.565	11807.14	-402.32	403.73	186.60	725733.60	382865.71	32°03'01.869"N	103°36'17.125"W	12.00	12.00	1870.37	
11932.60†	13.152	179.565	11906.18	-389.89	391.30	186.70	725733.69	382853.29	32°03'01.746"N	103°36'17.124"W	12.00	12.00	0.00	
12032.60†	25.152	179.565	12000.47	-357.14	358.55	186.95	725733.94	382820.54	32°03'01.422"N	103°36'17.124"W	12.00	12.00	0.00	
12132.60†	37.152	179.565	12085.89	-305.50	306.92	187.34	725734.33	382768.91	32°03'00.911"N	103°36'17.124"W	12.00	12.00	0.00	
12232.60†	49.152	179.565	12158.71	-237.23	238.65	187.86	725734.85	382700.64	32°03'00.235"N	103°36'17.123"W	12.00	12.00	0.00	
12332.60†	61.152	179.565	12215.75	-155.32	156.74	188.48	725735.47	382618.73	32°02'59.424"N	103°36'17.122"W	12.00	12.00	0.00	
12432.60†	73.152	179.565	12254.51	-63.33	64.75	189.18	725736.17	382526.75	32°02'58.514"N	103°36'17.121"W	12.00	12.00	0.00	
12532.60†	85.152	179.565	12273.29	34.70	-33.28	189.92	725736.91	382428.72	32°02'57.544"N	103°36'17.120"W	12.00	12.00	0.00	
12573.00	90.000	179.565	12275.00	75.05	-73.63	190.23	725737.22	382388.38	32°02'57.145"N	103°36'17.120"W	12.00	12.00	0.00	End of Build
12632.60†	90.000	179.565	12275.00	134.65	-133.23	190.68	725737.67	382328.78	32°02'56.555"N	103°36'17.119"W	0.00	0.00	0.00	
12732.60†	90.000	179.565	12275.00	234.65	-233.22	191.44	725738.43	382228.78	32°02'55.565"N	103°36'17.118"W	0.00	0.00	0.00	
12832.60†	90.000	179.565	12275.00	334.65	-333.22	192.20	725739.19	382128.79	32°02'54.576"N	103°36'17.117"W	0.00	0.00	0.00	
12932.60†	90.000	179.565	12275.00	434.65	-433.22	192.96	725739.95	382028.80	32°02'53.586"N	103°36'17.116"W	0.00	0.00	0.00	
13032.60†	90.000	179.565	12275.00	534.65	-533.21	193.72	725740.71	381928.80	32°02'52.597"N	103°36'17.115"W	0.00	0.00	0.00	
13132.60†	90.000	179.565	12275.00	634.65	-633.21	194.48	725741.47	381828.81	32°02'51.607"N	103°36'17.114"W	0.00	0.00	0.00	
13232.60†	90.000	179.565	12275.00	734.65	-733.21	195.23	725742.23	381728.82	32°02'50.617"N	103°36'17.113"W	0.00	0.00	0.00	
13332.60†	90.000	179.565	12275.00	834.65	-833.21	195.99	725742.99	381628.82	32°02'49.628"N	103°36'17.112"W	0.00	0.00	0.00	
13432.60†	90.000	179.565	12275.00	934.65	-933.20	196.75	725743.75	381528.83	32°02'48.638"N	103°36'17.112"W	0.00	0.00	0.00	
13532.60†	90.000	179.565	12275.00	1034.65	-1033.20	197.51	725744.51	381428.84	32°02'47.649"N	103°36'17.111"W	0.00	0.00	0.00	
13632.60†	90.000	179.565	12275.00	1134.65	-1133.20	198.27	725745.26	381328.84	32°02'46.659"N	103°36'17.110"W	0.00	0.00	0.00	
13732.60†	90.000	179.565	12275.00	1234.65	-1233.19	199.03	725746.02	381228.85	32°02'45.670"N	103°36'17.109"W	0.00	0.00	0.00	
13832.60†	90.000	179.565	12275.00	1334.65	-1333.19	199.79	725746.78	381128.85	32°02'44.680"N	103°36'17.108"W	0.00	0.00	0.00	
13932.60†	90.000	179.565	12275.00	1434.65	-1433.19	200.55	725747.54	381028.86	32°02'43.690"N	103°36'17.107"W	0.00	0.00	0.00	
14032.60†	90.000	179.565	12275.00	1534.65	-1533.19	201.31	725748.30	380928.87	32°02'42.701"N	103°36'17.106"W	0.00	0.00	0.00	
14132.60†	90.000	179.565	12275.00	1634.65	-1633.18	202.07	725749.06	380828.87	32°02'41.711"N	103°36'17.105"W	0.00	0.00	0.00	
14232.60†	90.000	179.565	12275.00	1734.65	-1733.18	202.83	725749.82	380728.88	32°02'40.722"N	103°36'17.104"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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	179.565	12275.00	1834.65	-1833.18	203.59	725750.58	380628.89	32°02'39.732"N	103°36'17.103"W	0.00	0.00	0.00	
14432.60†	90.000	179.565	12275.00	1934.65	-1933.17	204.35	725751.34	380528.89	32°02'38.743"N	103°36'17.102"W	0.00	0.00	0.00	
14532.60†	90.000	179.565	12275.00	2034.65	-2033.17	205.10	725752.10	380428.90	32°02'37.753"N	103°36'17.101"W	0.00	0.00	0.00	
14632.60†	90.000	179.565	12275.00	2134.65	-2133.17	205.86	725752.86	380328.91	32°02'36.763"N	103°36'17.100"W	0.00	0.00	0.00	
14732.60†	90.000	179.565	12275.00	2234.65	-2233.17	206.62	725753.62	380228.91	32°02'35.774"N	103°36'17.099"W	0.00	0.00	0.00	
14832.60†	90.000	179.565	12275.00	2334.65	-2333.16	207.38	725754.37	380128.92	32°02'34.784"N	103°36'17.098"W	0.00	0.00	0.00	
14932.60†	90.000	179.565	12275.00	2434.65	-2433.16	208.14	725755.13	380028.92	32°02'33.795"N	103°36'17.097"W	0.00	0.00	0.00	
15032.60†	90.000	179.565	12275.00	2534.65	-2533.16	208.90	725755.89	379928.93	32°02'32.805"N	103°36'17.096"W	0.00	0.00	0.00	
15132.60†	90.000	179.565	12275.00	2634.65	-2633.15	209.66	725756.65	379828.94	32°02'31.815"N	103°36'17.095"W	0.00	0.00	0.00	
15232.60†	90.000	179.565	12275.00	2734.65	-2733.15	210.42	725757.41	379728.94	32°02'30.826"N	103°36'17.094"W	0.00	0.00	0.00	
15332.60†	90.000	179.565	12275.00	2834.65	-2833.15	211.18	725758.17	379628.95	32°02'29.836"N	103°36'17.093"W	0.00	0.00	0.00	
15432.60†	90.000	179.565	12275.00	2934.65	-2933.15	211.94	725758.93	379528.96	32°02'28.847"N	103°36'17.092"W	0.00	0.00	0.00	
15532.60†	90.000	179.565	12275.00	3034.65	-3033.14	212.70	725759.69	379428.96	32°02'27.857"N	103°36'17.091"W	0.00	0.00	0.00	
15632.60†	90.000	179.565	12275.00	3134.65	-3133.14	213.46	725760.45	379328.97	32°02'26.868"N	103°36'17.090"W	0.00	0.00	0.00	
15732.60†	90.000	179.565	12275.00	3234.65	-3233.14	214.21	725761.21	379228.97	32°02'25.878"N	103°36'17.089"W	0.00	0.00	0.00	
15832.60†	90.000	179.565	12275.00	3334.65	-3333.13	214.97	725761.97	379128.98	32°02'24.888"N	103°36'17.088"W	0.00	0.00	0.00	
15932.60†	90.000	179.565	12275.00	3434.65	-3433.13	215.73	725762.73	379028.99	32°02'23.899"N	103°36'17.087"W	0.00	0.00	0.00	
16032.60†	90.000	179.565	12275.00	3534.65	-3533.13	216.49	725763.49	378928.99	32°02'22.909"N	103°36'17.086"W	0.00	0.00	0.00	
16132.60†	90.000	179.565	12275.00	3634.65	-3633.13	217.25	725764.24	378829.00	32°02'21.920"N	103°36'17.085"W	0.00	0.00	0.00	
16232.60†	90.000	179.565	12275.00	3734.65	-3733.12	218.01	725765.00	378729.01	32°02'20.930"N	103°36'17.084"W	0.00	0.00	0.00	
16332.60†	90.000	179.565	12275.00	3834.65	-3833.12	218.77	725765.76	378629.01	32°02'19.941"N	103°36'17.083"W	0.00	0.00	0.00	
16432.60†	90.000	179.565	12275.00	3934.65	-3933.12	219.53	725766.52	378529.02	32°02'18.951"N	103°36'17.082"W	0.00	0.00	0.00	
16532.60†	90.000	179.565	12275.00	4034.65	-4033.11	220.29	725767.28	378429.03	32°02'17.961"N	103°36'17.081"W	0.00	0.00	0.00	
16632.60†	90.000	179.565	12275.00	4134.65	-4133.11	221.05	725768.04	378329.03	32°02'16.972"N	103°36'17.080"W	0.00	0.00	0.00	
16732.60†	90.000	179.565	12275.00	4234.65	-4233.11	221.81	725768.80	378229.04	32°02'15.982"N	103°36'17.079"W	0.00	0.00	0.00	
16832.60†	90.000	179.565	12275.00	4334.65	-4333.11	222.57	725769.56	378129.04	32°02'14.993"N	103°36'17.078"W	0.00	0.00	0.00	
16932.60†	90.000	179.565	12275.00	4434.65	-4433.10	223.33	725770.32	378029.05	32°02'14.003"N	103°36'17.077"W	0.00	0.00	0.00	
17032.60†	90.000	179.565	12275.00	4534.65	-4533.10	224.08	725771.08	377929.06	32°02'13.014"N	103°36'17.076"W	0.00	0.00	0.00	
17132.60†	90.000	179.565	12275.00	4634.65	-4633.10	224.84	725771.84	377829.06	32°02'12.024"N	103°36'17.075"W	0.00	0.00	0.00	
17232.60†	90.000	179.565	12275.00	4734.65	-4733.09	225.60	725772.60	377729.07	32°02'11.034"N	103°36'17.074"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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	179.565	12275.00	4834.65	-4833.09	226.36	725773.35	377629.08	32°02'10.045"N	103°36'17.073"W	0.00	0.00	0.00	
17432.60†	90.000	179.565	12275.00	4934.65	-4933.09	227.12	725774.11	377529.08	32°02'09.055"N	103°36'17.072"W	0.00	0.00	0.00	
17532.60†	90.000	179.565	12275.00	5034.65	-5033.09	227.88	725774.87	377429.09	32°02'08.066"N	103°36'17.071"W	0.00	0.00	0.00	
17632.60†	90.000	179.565	12275.00	5134.65	-5133.08	228.64	725775.63	377329.10	32°02'07.076"N	103°36'17.070"W	0.00	0.00	0.00	
17732.60†	90.000	179.565	12275.00	5234.65	-5233.08	229.40	725776.39	377229.10	32°02'06.087"N	103°36'17.069"W	0.00	0.00	0.00	
17832.60†	90.000	179.565	12275.00	5334.65	-5333.08	230.16	725777.15	377129.11	32°02'05.097"N	103°36'17.068"W	0.00	0.00	0.00	
17932.60†	90.000	179.565	12275.00	5434.65	-5433.07	230.92	725777.91	377029.11	32°02'04.107"N	103°36'17.067"W	0.00	0.00	0.00	
18032.60†	90.000	179.565	12275.00	5534.65	-5533.07	231.68	725778.67	376929.12	32°02'03.118"N	103°36'17.066"W	0.00	0.00	0.00	
18132.60†	90.000	179.565	12275.00	5634.65	-5633.07	232.44	725779.43	376829.13	32°02'02.128"N	103°36'17.065"W	0.00	0.00	0.00	
18232.60†	90.000	179.565	12275.00	5734.65	-5733.06	233.20	725780.19	376729.13	32°02'01.139"N	103°36'17.064"W	0.00	0.00	0.00	
18332.60†	90.000	179.565	12275.00	5834.65	-5833.06	233.95	725780.95	376629.14	32°02'00.149"N	103°36'17.063"W	0.00	0.00	0.00	
18432.60†	90.000	179.565	12275.00	5934.65	-5933.06	234.71	725781.71	376529.15	32°01'59.160"N	103°36'17.062"W	0.00	0.00	0.00	
18532.60†	90.000	179.565	12275.00	6034.65	-6033.06	235.47	725782.46	376429.15	32°01'58.170"N	103°36'17.061"W	0.00	0.00	0.00	
18632.60†	90.000	179.565	12275.00	6134.65	-6133.05	236.23	725783.22	376329.16	32°01'57.180"N	103°36'17.060"W	0.00	0.00	0.00	
18732.60†	90.000	179.565	12275.00	6234.65	-6233.05	236.99	725783.98	376229.17	32°01'56.191"N	103°36'17.059"W	0.00	0.00	0.00	
18832.60†	90.000	179.565	12275.00	6334.65	-6333.05	237.75	725784.74	376129.17	32°01'55.201"N	103°36'17.058"W	0.00	0.00	0.00	
18932.60†	90.000	179.565	12275.00	6434.65	-6433.04	238.51	725785.50	376029.18	32°01'54.212"N	103°36'17.057"W	0.00	0.00	0.00	
19032.60†	90.000	179.565	12275.00	6534.65	-6533.04	239.27	725786.26	375929.18	32°01'53.222"N	103°36'17.056"W	0.00	0.00	0.00	
19132.60†	90.000	179.565	12275.00	6634.65	-6633.04	240.03	725787.02	375829.19	32°01'52.232"N	103°36'17.055"W	0.00	0.00	0.00	
19232.60†	90.000	179.565	12275.00	6734.65	-6733.04	240.79	725787.78	375729.20	32°01'51.243"N	103°36'17.055"W	0.00	0.00	0.00	
19332.60†	90.000	179.565	12275.00	6834.65	-6833.03	241.55	725788.54	375629.20	32°01'50.253"N	103°36'17.054"W	0.00	0.00	0.00	
19432.60†	90.000	179.565	12275.00	6934.65	-6933.03	242.31	725789.30	375529.21	32°01'49.264"N	103°36'17.053"W	0.00	0.00	0.00	
19532.60†	90.000	179.565	12275.00	7034.65	-7033.03	243.06	725790.06	375429.22	32°01'48.274"N	103°36'17.052"W	0.00	0.00	0.00	
19632.60†	90.000	179.565	12275.00	7134.65	-7133.02	243.82	725790.82	375329.22	32°01'47.285"N	103°36'17.051"W	0.00	0.00	0.00	
19732.60†	90.000	179.565	12275.00	7234.65	-7233.02	244.58	725791.57	375229.23	32°01'46.295"N	103°36'17.050"W	0.00	0.00	0.00	
19832.60†	90.000	179.565	12275.00	7334.65	-7333.02	245.34	725792.33	375129.24	32°01'45.305"N	103°36'17.049"W	0.00	0.00	0.00	
19932.60†	90.000	179.565	12275.00	7434.65	-7433.02	246.10	725793.09	375029.24	32°01'44.316"N	103°36'17.048"W	0.00	0.00	0.00	
20032.60†	90.000	179.565	12275.00	7534.65	-7533.01	246.86	725793.85	374929.25	32°01'43.326"N	103°36'17.047"W	0.00	0.00	0.00	
20132.60†	90.000	179.565	12275.00	7634.65	-7633.01	247.62	725794.61	374829.25	32°01'42.337"N	103°36'17.046"W	0.00	0.00	0.00	
20232.60†	90.000	179.565	12275.00	7734.65	-7733.01	248.38	725795.37	374729.26	32°01'41.347"N	103°36'17.045"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H PWB
Facility	SD EA 18-19 Fed P15		

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	179.565	12275.00	7834.65	-7833.00	249.14	725796.13	374629.27	32°01'40.358"N	103°36'17.044"W	0.00	0.00	0.00	
20432.60†	90.000	179.565	12275.00	7934.65	-7933.00	249.90	725796.89	374529.27	32°01'39.368"N	103°36'17.043"W	0.00	0.00	0.00	
20532.60†	90.000	179.565	12275.00	8034.65	-8033.00	250.66	725797.65	374429.28	32°01'38.378"N	103°36'17.042"W	0.00	0.00	0.00	
20632.60†	90.000	179.565	12275.00	8134.65	-8133.00	251.42	725798.41	374329.29	32°01'37.389"N	103°36'17.041"W	0.00	0.00	0.00	
20732.60†	90.000	179.565	12275.00	8234.65	-8232.99	252.18	725799.17	374229.29	32°01'36.399"N	103°36'17.040"W	0.00	0.00	0.00	
20832.60†	90.000	179.565	12275.00	8334.65	-8332.99	252.93	725799.93	374129.30	32°01'35.410"N	103°36'17.039"W	0.00	0.00	0.00	
20932.60†	90.000	179.565	12275.00	8434.65	-8432.99	253.69	725800.69	374029.30	32°01'34.420"N	103°36'17.038"W	0.00	0.00	0.00	
21032.60†	90.000	179.565	12275.00	8534.65	-8532.98	254.45	725801.44	373929.31	32°01'33.431"N	103°36'17.037"W	0.00	0.00	0.00	
21132.60†	90.000	179.565	12275.00	8634.65	-8632.98	255.21	725802.20	373829.32	32°01'32.441"N	103°36'17.036"W	0.00	0.00	0.00	
21232.60†	90.000	179.565	12275.00	8734.65	-8732.98	255.97	725802.96	373729.32	32°01'31.451"N	103°36'17.035"W	0.00	0.00	0.00	
21332.60†	90.000	179.565	12275.00	8834.65	-8832.98	256.73	725803.72	373629.33	32°01'30.462"N	103°36'17.034"W	0.00	0.00	0.00	
21432.60†	90.000	179.565	12275.00	8934.65	-8932.97	257.49	725804.48	373529.34	32°01'29.472"N	103°36'17.033"W	0.00	0.00	0.00	
21532.60†	90.000	179.565	12275.00	9034.65	-9032.97	258.25	725805.24	373429.34	32°01'28.483"N	103°36'17.032"W	0.00	0.00	0.00	
21632.60†	90.000	179.565	12275.00	9134.65	-9132.97	259.01	725806.00	373329.35	32°01'27.493"N	103°36'17.031"W	0.00	0.00	0.00	
21732.60†	90.000	179.565	12275.00	9234.65	-9232.96	259.77	725806.76	373229.36	32°01'26.503"N	103°36'17.030"W	0.00	0.00	0.00	
21832.60†	90.000	179.565	12275.00	9334.65	-9332.96	260.53	725807.52	373129.36	32°01'25.514"N	103°36'17.029"W	0.00	0.00	0.00	
21932.60†	90.000	179.565	12275.00	9434.65	-9432.96	261.29	725808.28	373029.37	32°01'24.524"N	103°36'17.028"W	0.00	0.00	0.00	
22032.60†	90.000	179.565	12275.00	9534.65	-9532.96	262.05	725809.04	372929.37	32°01'23.535"N	103°36'17.027"W	0.00	0.00	0.00	
22132.60†	90.000	179.565	12275.00	9634.65	-9632.95	262.80	725809.80	372829.38	32°01'22.545"N	103°36'17.026"W	0.00	0.00	0.00	
22232.60†	90.000	179.565	12275.00	9734.65	-9732.95	263.56	725810.55	372729.39	32°01'21.556"N	103°36'17.025"W	0.00	0.00	0.00	
22332.60†	90.000	179.565	12275.00	9834.65	-9832.95	264.32	725811.31	372629.39	32°01'20.566"N	103°36'17.024"W	0.00	0.00	0.00	
22423.00	90.000	179.565	12275.00†	9925.05	-9923.34	265.01	725812.00	372539.00	32°01'19.671"N	103°36'17.023"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 18H
Area	Lea County, NM	Well	SD EA 18 19 FED P15 18H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 18 19 FED P15 18H 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 18H rev 1	22423.00	12275.00	-9923.34	265.01	725812.00	372539.00	32°01'19.671"N	103°36'17.023"W	point

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	22423.00	BHI NaviTrak (Standard)		SD EA 18 19 FED P15 18H PWB

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines