

Results of Directional Survey

API number:	30-025-41247			
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP	
		Property:	RATTLESNAKE 13 FEDERAL	# 2H

surface	ULSTR:	B	13	T 26S	R 34E
				25 FNL	1650 FEL

BH Loc	ULSTR:	O	13	T 26S	R 34E
13861	MD	9023.8	TVD	329 FSL	1660 FEL
				4951 FNL	

Top Perf/OH	ULSTR:	B	13	T 26S	R 34E
9249	MD	9046.0	TVD	350 FNL	1697 FEL

Bot Perf/OH	ULSTR:	O	13	T 26S	R 34E
13717	MD	9038.7	TVD	472 FSL	1663 FEL
				4808 FNL	

	MD	N/S	E/W	VD
	9218	-297.03	-41.69	9034.24
TOP PERFS/OH	9249	-325.20	-47.39	9046.04
	9249	-325.20	-47.39	9046.04
	13689	-4755.20	-13.24	9041.26
BOT PERFS/OH	13717	-4783.07	-12.54	9038.67
	13783	-4848.77	-10.88	9032.56

NEXT TO LAST	13800	-4865.66	-10.53	9030.68
LAST READING	13861	-4926.27	-9.56	9023.77
TD	13861	-4926.27	-9.56	9023.77

Surface Location	25	FN	1650	FE
Projected BHL	4951	FN	1660	FE
Location of				
Top Perfs/OH	350	FN	1697	FE
Bottom Perfs/OH	4808	FN	1663	FE

SUMMARY of Subsurface Locations

Surface Location	B-13-26S-34E	25	FN	1650	FE	Vert. Depth
Top Perfs/OH	B-13-26S-34E	350	FN	1697	FE	9046.04
Bottom Perfs/OH	O-13-26S-34E	4808	FN	1663	FE	9038.67
Projected TD	O-13-26S-34E	4951	FN	1660	FE	9023.77

JUN 02 2014



Actual Wellpath Report

No.2H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Rattlesnake) Sec 13, T26S, R34E	Wellbore	No.2H AWB
Facility	Rattlesnake Unit 13 Fed No.2H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	1	Report Generated	12/18/2013 at 8:13:52 AM
Convergence at slot	0.48° East	Database/Source file	MidlandDB/No.2H_AWB.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	0.00	824171.30	383330.60	32°03'02.047"N	103°25'13.608"W
Facility Reference Pt			824171.30	383330.60	32°03'02.047"N	103°25'13.608"W
Field Reference Pt			824171.30	383330.60	32°03'02.047"N	103°25'13.608"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.2H SHL (KB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Rig on No.2H SHL (KB) to Mean Sea Level	3305.50ft
Vertical Reference Pt	Rig on No.2H SHL (KB)	Rig on No.2H SHL (KB) to Mud Line at Slot (No.2H SHL)	25.00ft
MD Reference Pt	Rig on No.2H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.10°

HOBBS OCD

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Area	Lea County, NM	Well	No.2H
Field	(Rattlesnake) Sec 13, T26S, R34E	Wellbore	No.2H AWB
Facility	Rattlesnake Unit 13 Fed No.2H		

WELLPATH DATA (174 stations)

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]	Comments
0.00	0.000	155.120	0.00	0.00	0.00	0.00	824171.30	383330.60	32°03'02.047"N	103°25'13.608"W	0.00	
74.80	0.380	155.120	74.80	0.22	-0.23	0.10	824171.40	383330.37	32°03'02.045"N	103°25'13.607"W	0.51	
164.90	0.410	143.200	164.90	0.75	-0.75	0.42	824171.72	383329.85	32°03'02.039"N	103°25'13.603"W	0.10	
255.50	0.480	121.470	255.49	1.21	-1.21	0.94	824172.24	383329.39	32°03'02.035"N	103°25'13.597"W	0.20	
347.80	0.580	128.510	347.79	1.70	-1.70	1.64	824172.94	383328.90	32°03'02.030"N	103°25'13.589"W	0.13	
439.60	0.520	132.160	439.59	2.27	-2.27	2.31	824173.61	383328.33	32°03'02.024"N	103°25'13.582"W	0.08	
534.80	0.170	150.630	534.78	2.68	-2.69	2.70	824174.00	383327.91	32°03'02.020"N	103°25'13.577"W	0.38	
625.90	0.310	292.180	625.88	2.71	-2.71	2.54	824173.84	383327.89	32°03'02.020"N	103°25'13.579"W	0.50	
718.00	0.570	290.890	717.98	2.45	-2.45	1.88	824173.18	383328.15	32°03'02.023"N	103°25'13.587"W	0.28	
809.60	0.800	291.480	809.57	2.06	-2.06	0.86	824172.16	383328.54	32°03'02.027"N	103°25'13.598"W	0.25	
901.70	1.050	292.170	901.66	1.50	-1.50	-0.52	824170.78	383329.10	32°03'02.032"N	103°25'13.614"W	0.27	
996.30	1.170	293.690	996.24	0.79	-0.79	-2.21	824169.09	383329.81	32°03'02.039"N	103°25'13.634"W	0.13	
1091.00	1.200	295.460	1090.92	-0.02	0.03	-3.99	824167.31	383330.63	32°03'02.048"N	103°25'13.655"W	0.05	
1185.60	1.200	294.740	1185.50	-0.86	0.87	-5.78	824165.52	383331.47	32°03'02.056"N	103°25'13.675"W	0.02	
1280.20	1.170	297.920	1280.08	-1.72	1.73	-7.54	824163.76	383332.33	32°03'02.065"N	103°25'13.696"W	0.08	
1374.90	1.130	296.570	1374.76	-2.59	2.60	-9.23	824162.07	383333.20	32°03'02.074"N	103°25'13.715"W	0.05	
1469.50	1.050	294.430	1469.35	-3.36	3.38	-10.85	824160.45	383333.98	32°03'02.081"N	103°25'13.734"W	0.09	
1564.10	1.040	296.600	1563.93	-4.10	4.12	-12.41	824158.89	383334.72	32°03'02.089"N	103°25'13.752"W	0.04	
1658.80	0.910	299.630	1658.62	-4.86	4.88	-13.83	824157.47	383335.48	32°03'02.096"N	103°25'13.768"W	0.15	
1753.40	0.850	305.020	1753.21	-5.63	5.65	-15.06	824156.24	383336.25	32°03'02.104"N	103°25'13.783"W	0.11	
1848.00	0.740	313.280	1847.80	-6.45	6.47	-16.08	824155.22	383337.07	32°03'02.112"N	103°25'13.794"W	0.17	
1942.60	0.540	329.670	1942.39	-7.25	7.28	-16.75	824154.55	383337.88	32°03'02.120"N	103°25'13.802"W	0.28	
2037.30	0.560	354.080	2037.09	-8.09	8.12	-17.02	824154.28	383338.72	32°03'02.129"N	103°25'13.805"W	0.25	
2131.90	0.640	357.760	2131.68	-9.08	9.11	-17.09	824154.21	383339.71	32°03'02.139"N	103°25'13.806"W	0.09	
2226.50	0.570	312.500	2226.28	-10.07	10.10	-17.01	824154.29	383340.70	32°03'02.148"N	103°25'13.805"W	0.18	
2321.20	0.630	26.350	2320.97	-11.00	11.03	-16.67	824154.63	383341.63	32°03'02.157"N	103°25'13.801"W	0.17	
2415.80	0.660	34.560	2415.57	-11.91	11.94	-16.13	824155.17	383342.54	32°03'02.166"N	103°25'13.794"W	0.10	
2510.40	0.720	40.330	2510.16	-12.82	12.84	-15.44	824155.86	383343.44	32°03'02.175"N	103°25'13.786"W	0.10	
2605.10	0.770	47.180	2604.85	-13.70	13.73	-14.59	824156.71	383344.33	32°03'02.184"N	103°25'13.776"W	0.11	
2699.70	1.030	52.920	2699.44	-14.65	14.67	-13.44	824157.86	383345.27	32°03'02.193"N	103°25'13.763"W	0.29	
2794.30	1.230	56.510	2794.02	-15.73	15.75	-11.92	824159.38	383346.35	32°03'02.204"N	103°25'13.745"W	0.22	
2888.90	1.440	56.860	2888.60	-16.94	16.96	-10.08	824161.22	383347.56	32°03'02.216"N	103°25'13.724"W	0.22	
2983.60	1.610	54.300	2983.26	-18.37	18.38	-8.00	824163.30	383348.98	32°03'02.230"N	103°25'13.699"W	0.19	
3078.20	1.630	51.140	3077.82	-19.99	20.00	-5.87	824165.43	383350.60	32°03'02.245"N	103°25'13.674"W	0.10	
3172.80	1.650	48.710	3172.39	-21.74	21.75	-3.80	824167.50	383352.35	32°03'02.262"N	103°25'13.650"W	0.08	
3267.50	1.900	48.280	3267.04	-23.69	23.69	-1.61	824169.69	383354.29	32°03'02.282"N	103°25'13.625"W	0.26	
3362.10	2.030	48.110	3361.58	-25.85	25.85	0.81	824172.11	383356.45	32°03'02.303"N	103°25'13.596"W	0.14	
3456.70	2.500	50.520	3456.11	-28.29	28.28	3.65	824174.95	383358.88	32°03'02.327"N	103°25'13.563"W	0.51	
3551.40	2.860	51.300	3550.71	-31.08	31.07	7.09	824178.39	383361.67	32°03'02.354"N	103°25'13.523"W	0.38	
3646.00	2.880	48.960	3645.19	-34.13	34.11	10.72	824182.02	383364.71	32°03'02.384"N	103°25'13.480"W	0.13	
3740.60	2.840	44.920	3739.67	-37.35	37.33	14.17	824185.47	383367.93	32°03'02.415"N	103°25'13.440"W	0.22	
3835.20	2.500	43.740	3834.17	-40.51	40.48	17.25	824188.55	383371.08	32°03'02.446"N	103°25'13.404"W	0.36	
3929.90	2.080	41.470	3928.79	-43.29	43.26	19.82	824191.12	383373.86	32°03'02.473"N	103°25'13.374"W	0.45	
4024.50	1.930	42.300	4023.33	-45.76	45.72	22.03	824193.33	383376.32	32°03'02.498"N	103°25'13.348"W	0.16	
4119.10	2.450	43.450	4117.86	-48.41	48.37	24.49	824195.79	383378.97	32°03'02.524"N	103°25'13.319"W	0.55	



Actual Wellpath Report

No.2H AWP

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Area	Lea County, NM	Well	No.2H
Field	(Rattlesnake) Sec 13, T26S, R34E	Wellbore	No.2H AWB
Facility	Rattlesnake Unit 13 Fed No.2H		

WELLPATH DATA (174 stations)

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]	Comments
4213.80	2.760	43.420	4212.47	-51.54	51.49	27.45	824198.75	383382.09	32°03'02.554"N	103°25'13.284"W	0.33	
4308.40	2.760	43.210	4306.96	-54.86	54.81	30.57	824201.87	383385.41	32°03'02.587"N	103°25'13.248"W	0.01	
4403.00	2.710	41.590	4401.45	-58.20	58.14	33.62	824204.92	383388.74	32°03'02.619"N	103°25'13.212"W	0.10	
4497.70	2.650	39.410	4496.04	-61.57	61.51	36.49	824207.79	383392.11	32°03'02.653"N	103°25'13.178"W	0.12	
4592.30	2.900	46.070	4590.53	-64.93	64.86	39.61	824210.91	383395.46	32°03'02.685"N	103°25'13.142"W	0.43	
4686.90	3.390	56.120	4684.99	-68.15	68.08	43.65	824214.95	383398.68	32°03'02.717"N	103°25'13.094"W	0.78	
4781.50	3.340	61.480	4779.43	-71.04	70.95	48.40	824219.70	383401.55	32°03'02.745"N	103°25'13.039"W	0.34	
4876.20	3.160	63.310	4873.98	-73.53	73.44	53.15	824224.45	383404.04	32°03'02.769"N	103°25'12.983"W	0.22	
4970.80	3.410	64.760	4968.42	-75.91	75.81	58.03	824229.33	383406.41	32°03'02.792"N	103°25'12.927"W	0.28	
5065.40	3.590	70.820	5062.85	-78.09	77.99	63.37	824234.67	383408.59	32°03'02.813"N	103°25'12.864"W	0.43	
5160.10	3.450	70.080	5157.37	-80.05	79.93	68.85	824240.15	383410.53	32°03'02.832"N	103°25'12.800"W	0.16	
5254.70	2.990	67.270	5251.82	-81.98	81.85	73.80	824245.10	383412.45	32°03'02.851"N	103°25'12.743"W	0.51	
5349.30	2.630	69.570	5346.30	-83.70	83.56	78.11	824249.41	383414.16	32°03'02.867"N	103°25'12.692"W	0.40	
5444.00	2.290	67.240	5440.92	-85.20	85.05	81.89	824253.19	383415.65	32°03'02.882"N	103°25'12.648"W	0.37	
5538.60	2.320	66.250	5535.44	-86.70	86.56	85.38	824256.68	383417.16	32°03'02.896"N	103°25'12.608"W	0.05	
5633.20	2.200	64.900	5629.97	-88.25	88.10	88.78	824260.08	383418.70	32°03'02.911"N	103°25'12.568"W	0.14	
5727.80	1.860	62.700	5724.51	-89.73	89.57	91.79	824263.09	383420.17	32°03'02.926"N	103°25'12.533"W	0.37	
5822.50	1.630	57.830	5819.16	-91.16	90.99	94.30	824265.60	383421.59	32°03'02.939"N	103°25'12.504"W	0.29	
5917.10	1.480	57.520	5913.73	-92.53	92.37	96.47	824267.77	383422.97	32°03'02.953"N	103°25'12.478"W	0.16	
6011.70	1.250	59.610	6008.30	-93.71	93.55	98.39	824269.69	383424.14	32°03'02.964"N	103°25'12.456"W	0.25	
6106.40	1.240	60.780	6102.98	-94.74	94.57	100.17	824271.47	383425.17	32°03'02.974"N	103°25'12.435"W	0.03	
6201.00	1.030	56.570	6197.56	-95.71	95.54	101.77	824273.07	383426.14	32°03'02.984"N	103°25'12.416"W	0.24	
6295.60	0.940	49.440	6292.15	-96.69	96.51	103.07	824274.37	383427.11	32°03'02.993"N	103°25'12.401"W	0.16	
6390.30	0.810	43.050	6386.83	-97.68	97.50	104.12	824275.42	383428.10	32°03'03.003"N	103°25'12.389"W	0.17	
6484.90	0.730	41.870	6481.43	-98.62	98.44	104.98	824276.28	383429.04	32°03'03.012"N	103°25'12.379"W	0.09	
6579.50	0.690	42.140	6576.02	-99.49	99.31	105.76	824277.06	383429.91	32°03'03.021"N	103°25'12.370"W	0.04	
6674.10	0.650	44.210	6670.61	-100.30	100.12	106.52	824277.82	383430.72	32°03'03.029"N	103°25'12.361"W	0.05	
6768.80	0.570	46.130	6765.31	-101.02	100.83	107.23	824278.53	383431.43	32°03'03.036"N	103°25'12.352"W	0.09	
6863.40	0.530	46.830	6859.90	-101.64	101.46	107.89	824279.19	383432.06	32°03'03.042"N	103°25'12.345"W	0.04	
6958.00	0.490	41.560	6954.50	-102.24	102.06	108.48	824279.78	383432.66	32°03'03.048"N	103°25'12.338"W	0.07	
7052.70	0.410	33.660	7049.20	-102.83	102.64	108.94	824280.24	383433.24	32°03'03.054"N	103°25'12.332"W	0.11	
7147.30	0.380	31.420	7143.79	-103.38	103.19	109.29	824280.59	383433.79	32°03'03.059"N	103°25'12.328"W	0.04	
7241.90	0.300	29.060	7238.39	-103.87	103.68	109.57	824280.87	383434.28	32°03'03.064"N	103°25'12.325"W	0.09	
7336.60	0.190	63.190	7333.09	-104.15	103.96	109.83	824281.13	383434.56	32°03'03.067"N	103°25'12.322"W	0.19	
7431.20	0.220	111.080	7427.69	-104.16	103.97	110.14	824281.44	383434.57	32°03'03.067"N	103°25'12.318"W	0.18	
7525.80	0.360	135.470	7522.29	-103.88	103.69	110.52	824281.82	383434.29	32°03'03.064"N	103°25'12.314"W	0.19	
7620.40	0.590	150.140	7616.89	-103.25	103.06	110.97	824282.27	383433.66	32°03'03.057"N	103°25'12.309"W	0.27	
7715.10	0.870	161.750	7711.58	-102.14	101.95	111.44	824282.74	383432.55	32°03'03.046"N	103°25'12.303"W	0.33	
7809.70	1.060	176.620	7806.17	-100.59	100.40	111.71	824283.01	383431.00	32°03'03.031"N	103°25'12.300"W	0.33	
7904.30	1.190	191.830	7900.75	-98.75	98.56	111.56	824282.86	383429.16	32°03'03.013"N	103°25'12.302"W	0.34	
7999.00	1.050	191.590	7995.43	-96.94	96.75	111.19	824282.49	383427.35	32°03'02.995"N	103°25'12.307"W	0.15	
8093.60	1.140	181.070	8090.01	-95.15	94.96	111.00	824282.30	383425.56	32°03'02.977"N	103°25'12.309"W	0.23	
8188.20	1.110	172.390	8184.59	-93.30	93.11	111.10	824282.40	383423.71	32°03'02.959"N	103°25'12.308"W	0.18	
8282.90	1.340	166.090	8279.27	-91.32	91.13	111.49	824282.79	383421.73	32°03'02.939"N	103°25'12.304"W	0.28	
8377.50	1.520	156.800	8373.84	-89.09	88.90	112.25	824283.55	383419.50	32°03'02.917"N	103°25'12.295"W	0.31	



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No.2H AWP

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Area	Lea County, NM	Well	No.2H
Field	(Rattlesnake) Sec 13, T26S, R34E	Wellbore	No.2H AWB
Facility	Rattlesnake Unit 13 Fed No.2H		

WELLPATH DATA (174 stations)

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]	Comments
8461.00	1.550	153.560	8457.31	-87.07	86.87	113.19	824284.49	383417.47	32°03'02.897"N	103°25'12.285"W	0.11	
8492.00	4.040	180.460	8488.27	-85.60	85.40	113.37	824284.67	383416.00	32°03'02.883"N	103°25'12.283"W	8.87	
8524.00	6.030	176.460	8520.15	-82.79	82.60	113.46	824284.76	383413.20	32°03'02.855"N	103°25'12.282"W	6.31	
8555.00	8.240	180.510	8550.91	-78.95	78.75	113.54	824284.84	383409.35	32°03'02.817"N	103°25'12.281"W	7.31	
8587.00	11.680	187.200	8582.42	-73.44	73.24	113.11	824284.41	383403.84	32°03'02.762"N	103°25'12.287"W	11.32	
8619.00	14.890	194.960	8613.56	-66.25	66.05	111.65	824282.95	383396.65	32°03'02.691"N	103°25'12.305"W	11.45	
8650.00	17.050	201.240	8643.37	-58.16	57.97	108.97	824280.27	383388.57	32°03'02.611"N	103°25'12.336"W	8.91	
8682.00	21.140	205.510	8673.60	-48.56	48.38	104.78	824276.08	383378.98	32°03'02.517"N	103°25'12.386"W	13.50	
8713.00	24.090	205.930	8702.22	-37.82	37.65	99.61	824270.91	383368.25	32°03'02.411"N	103°25'12.447"W	9.53	
8745.00	26.930	207.050	8731.09	-25.48	25.32	93.46	824264.76	383355.92	32°03'02.290"N	103°25'12.520"W	9.00	
8776.00	29.950	206.760	8758.35	-12.30	12.15	86.78	824258.08	383342.75	32°03'02.160"N	103°25'12.599"W	9.75	
8808.00	33.440	206.030	8785.57	2.77	-2.91	79.31	824250.61	383327.69	32°03'02.012"N	103°25'12.687"W	10.97	
8839.00	36.700	205.710	8810.94	18.81	-18.93	71.54	824242.84	383311.67	32°03'01.854"N	103°25'12.779"W	10.53	
8871.00	40.020	206.380	8836.03	36.66	-36.77	62.82	824234.12	383293.83	32°03'01.678"N	103°25'12.882"W	10.46	
8902.00	43.070	206.430	8859.23	55.09	-55.18	53.68	824224.98	383275.42	32°03'01.496"N	103°25'12.990"W	9.84	
8934.00	46.060	206.690	8882.02	75.19	-75.27	43.64	824214.94	383255.33	32°03'01.299"N	103°25'13.109"W	9.36	
8965.00	49.730	206.040	8902.81	95.81	-95.87	33.43	824204.73	383234.73	32°03'01.096"N	103°25'13.229"W	11.94	
8997.00	52.570	204.830	8922.88	118.34	-118.38	22.73	824194.03	383212.22	32°03'00.874"N	103°25'13.356"W	9.35	
9029.00	54.480	203.630	8941.90	141.82	-141.84	12.17	824183.47	383188.76	32°03'00.642"N	103°25'13.481"W	6.69	
9060.00	56.760	203.100	8959.40	165.32	-165.33	2.03	824173.33	383165.27	32°03'00.411"N	103°25'13.601"W	7.49	
9092.00	59.310	201.540	8976.34	190.45	-190.44	-8.27	824163.03	383140.16	32°03'00.163"N	103°25'13.723"W	8.98	
9123.00	61.700	200.410	8991.61	215.66	-215.63	-17.93	824153.37	383114.97	32°02'59.915"N	103°25'13.838"W	8.34	
9155.00	62.380	197.690	9006.61	242.39	-242.35	-27.15	824144.15	383088.25	32°02'59.651"N	103°25'13.947"W	7.80	
9186.00	63.750	194.710	9020.66	268.94	-268.88	-34.86	824136.44	383061.72	32°02'59.389"N	103°25'14.040"W	9.64	
9218.00	66.000	192.590	9034.24	297.10	-297.03	-41.69	824129.61	383033.57	32°02'59.111"N	103°25'14.122"W	9.24	
9249.00	69.270	190.390	9046.04	325.20	-325.12	-47.39	824123.91	383005.48	32°02'58.834"N	103°25'14.191"W	12.42	
9281.00	72.980	187.950	9056.39	355.10	-355.01	-52.21	824119.09	382975.59	32°02'58.539"N	103°25'14.250"W	13.65	
9313.00	75.750	187.040	9065.01	385.65	-385.56	-56.22	824115.08	382945.04	32°02'58.237"N	103°25'14.299"W	9.08	
9343.00	78.700	185.500	9071.65	414.74	-414.64	-59.42	824111.88	382915.97	32°02'57.949"N	103°25'14.339"W	11.03	
9376.00	81.450	184.430	9077.33	447.12	-447.02	-62.23	824109.07	382883.58	32°02'57.629"N	103°25'14.375"W	8.92	
9388.00	82.050	183.830	9079.06	458.97	-458.86	-63.08	824108.22	382871.74	32°02'57.512"N	103°25'14.386"W	7.03	
9404.00	83.580	183.360	9081.06	474.81	-474.70	-64.08	824107.22	382855.90	32°02'57.355"N	103°25'14.399"W	10.00	
9436.00	85.470	182.020	9084.11	506.63	-506.52	-65.57	824105.73	382824.08	32°02'57.040"N	103°25'14.420"W	7.23	
9467.00	87.010	180.770	9086.14	537.56	-537.44	-66.33	824104.97	382793.16	32°02'56.735"N	103°25'14.432"W	6.39	
9499.00	88.000	179.230	9087.54	569.52	-569.41	-66.33	824104.97	382761.19	32°02'56.418"N	103°25'14.435"W	5.72	
9531.00	88.600	178.550	9088.49	601.50	-601.39	-65.71	824105.59	382729.21	32°02'56.102"N	103°25'14.431"W	2.83	
9562.00	89.940	177.310	9088.88	632.48	-632.37	-64.59	824106.71	382698.23	32°02'55.795"N	103°25'14.421"W	5.89	
9625.00	91.080	177.170	9088.32	695.40	-695.29	-61.55	824109.75	382635.31	32°02'55.172"N	103°25'14.392"W	1.82	
9720.00	91.820	177.170	9085.92	790.24	-790.14	-56.86	824114.44	382540.46	32°02'54.233"N	103°25'14.346"W	0.78	
9814.00	90.800	177.480	9083.77	884.10	-884.01	-52.48	824118.82	382446.59	32°02'53.304"N	103°25'14.305"W	1.43	
9909.00	89.170	178.040	9083.79	979.02	-978.94	-48.77	824122.53	382351.66	32°02'52.364"N	103°25'14.271"W	1.81	
10004.00	91.350	178.240	9083.36	1073.96	-1073.88	-45.68	824125.62	382256.72	32°02'51.425"N	103°25'14.244"W	2.30	
10098.00	87.690	178.190	9084.15	1167.89	-1167.82	-42.76	824128.55	382162.78	32°02'50.495"N	103°25'14.220"W	3.89	
10193.00	89.110	177.970	9086.80	1262.79	-1262.72	-39.57	824131.73	382067.88	32°02'49.556"N	103°25'14.192"W	1.51	
10287.00	91.000	177.810	9086.71	1356.72	-1356.66	-36.11	824135.19	381973.95	32°02'48.626"N	103°25'14.161"W	2.02	



Actual Wellpath Report

No.2H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.2H SHL
Area	Lea County, NM	Well	No.2H
Field	(Rattlesnake) Sec 13, T26S, R34E	Wellbore	No.2H AWB
Facility	Rattlesnake Unit 13 Fed No.2H		

WELLPATH DATA (174 stations)

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]	Comments
10382.00	91.050	178.680	9085.01	1451.65	-1451.60	-33.20	824138.10	381879.01	32°02'47.686"N	103°25'14.137"W	0.92	
10477.00	90.650	179.950	9083.60	1546.63	-1546.58	-32.07	824139.23	381784.03	32°02'46.746"N	103°25'14.133"W	1.40	
10572.00	90.620	179.780	9082.55	1641.62	-1641.57	-31.84	824139.46	381689.03	32°02'45.806"N	103°25'14.139"W	0.18	
10666.00	88.460	180.060	9083.30	1735.61	-1735.56	-31.71	824139.59	381595.04	32°02'44.876"N	103°25'14.147"W	2.32	
10761.00	87.530	179.910	9086.63	1830.55	-1830.50	-31.69	824139.61	381500.10	32°02'43.937"N	103°25'14.156"W	-0.99	
10855.00	89.440	180.560	9089.11	1924.52	-1924.46	-32.07	824139.23	381406.14	32°02'43.007"N	103°25'14.170"W	2.15	
10943.00	89.110	180.680	9090.23	2012.50	-2012.45	-33.03	824138.27	381318.15	32°02'42.136"N	103°25'14.190"W	0.40	
11038.00	87.930	180.390	9092.68	2107.47	-2107.41	-33.91	824137.39	381223.19	32°02'41.197"N	103°25'14.209"W	1.28	
11133.00	89.080	180.700	9095.16	2202.43	-2202.37	-34.82	824136.48	381128.23	32°02'40.257"N	103°25'14.229"W	1.25	
11227.00	90.220	180.790	9095.73	2296.42	-2296.36	-36.04	824135.26	381034.24	32°02'39.327"N	103°25'14.252"W	1.22	
11322.00	88.830	180.780	9096.52	2391.41	-2391.35	-37.34	824133.96	380939.25	32°02'38.388"N	103°25'14.277"W	1.46	
11417.00	90.090	180.680	9097.42	2486.40	-2486.34	-38.55	824132.75	380844.27	32°02'37.448"N	103°25'14.300"W	1.33	
11511.00	89.810	180.110	9097.50	2580.40	-2580.33	-39.20	824132.10	380750.27	32°02'36.518"N	103°25'14.317"W	0.68	
11606.00	86.790	178.400	9100.32	2675.33	-2675.27	-37.96	824133.34	380655.34	32°02'35.578"N	103°25'14.312"W	3.65	
11701.00	87.320	178.500	9105.20	2770.16	-2770.11	-35.40	824135.90	380560.50	32°02'34.640"N	103°25'14.292"W	0.57	
11795.00	88.240	178.950	9108.84	2864.07	-2864.01	-33.31	824137.99	380466.59	32°02'33.710"N	103°25'14.276"W	1.09	
11889.00	88.610	179.360	9111.42	2958.02	-2957.97	-31.92	824139.38	380372.64	32°02'32.780"N	103°25'14.270"W	0.59	
11984.00	91.080	178.770	9111.68	3052.99	-3052.95	-30.37	824140.93	380277.66	32°02'31.840"N	103°25'14.261"W	2.67	
12079.00	90.680	179.560	9110.22	3147.97	-3147.92	-28.99	824142.31	380182.68	32°02'30.900"N	103°25'14.254"W	0.93	
12174.00	88.000	179.150	9111.31	3242.95	-3242.90	-27.92	824143.38	380087.70	32°02'29.961"N	103°25'14.251"W	2.85	
12268.00	88.370	179.360	9114.29	3336.89	-3336.85	-26.70	824144.60	379993.76	32°02'29.031"N	103°25'14.246"W	0.45	
12363.00	90.590	179.350	9115.15	3431.87	-3431.83	-25.63	824145.67	379898.77	32°02'28.091"N	103°25'14.243"W	2.34	
12458.00	90.460	179.340	9114.28	3526.86	-3526.82	-24.54	824146.76	379803.78	32°02'27.151"N	103°25'14.240"W	0.14	
12552.00	90.930	179.460	9113.14	3620.84	-3620.81	-23.56	824147.74	379709.80	32°02'26.221"N	103°25'14.237"W	0.52	
12647.00	91.700	179.970	9110.96	3715.82	-3715.78	-23.09	824148.21	379614.82	32°02'25.281"N	103°25'14.241"W	0.97	
12742.00	92.900	180.280	9107.15	3810.74	-3810.70	-23.29	824148.01	379519.90	32°02'24.342"N	103°25'14.253"W	1.30	
12835.00	93.790	180.330	9101.72	3903.58	-3903.54	-23.79	824147.51	379427.06	32°02'23.423"N	103°25'14.268"W	0.96	
12929.00	93.680	180.000	9095.60	3997.38	-3997.34	-24.06	824147.24	379333.26	32°02'22.495"N	103°25'14.280"W	0.37	
13025.00	95.090	179.770	9088.26	4093.09	-4093.06	-23.87	824147.43	379237.55	32°02'21.548"N	103°25'14.287"W	1.49	
13118.00	95.490	180.150	9079.69	4185.70	-4185.66	-23.80	824147.50	379144.94	32°02'20.632"N	103°25'14.296"W	0.59	
13213.00	93.880	179.650	9071.93	4280.37	-4280.34	-23.63	824147.67	379050.26	32°02'19.695"N	103°25'14.303"W	1.77	
13310.00	94.750	179.400	9064.63	4377.09	-4377.06	-22.83	824148.47	378953.54	32°02'18.738"N	103°25'14.303"W	0.93	
13402.00	93.310	178.480	9058.16	4468.84	-4468.81	-21.13	824150.17	378861.79	32°02'17.830"N	103°25'14.293"W	1.86	
13498.00	93.360	178.450	9052.58	4564.64	-4564.62	-18.57	824152.73	378765.99	32°02'16.881"N	103°25'14.272"W	0.06	
13594.00	92.900	178.300	9047.34	4660.46	-4660.44	-15.85	824155.45	378670.17	32°02'15.933"N	103°25'14.250"W	0.50	
13689.00	94.440	178.550	9041.26	4755.22	-4755.20	-13.24	824158.06	378575.40	32°02'14.995"N	103°25'14.229"W	1.64	
13783.00	96.180	178.560	9032.56	4848.78	-4848.77	-10.88	824160.42	378481.84	32°02'14.069"N	103°25'14.211"W	1.85	
13800.00	96.500	179.080	9030.68	4865.67	-4865.66	-10.53	824160.77	378464.95	32°02'13.902"N	103°25'14.208"W	3.58	
13861.00	96.500	179.080	9023.77	4926.27	-4926.26	-9.56	824161.74	378404.35	32°02'13.302"N	103°25'14.203"W	0.00	Proj to Bit