

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 03 2018

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Actual Wellpath Report

C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD

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30-015-44536

REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 3H
Area	Eddy County, NM	Well	C 17 State 3H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 3H AWB
Facility	C 17 State Pad		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Alvayes
Scale	0.999911	Report Generated	4/9/2018 at 5:37:58 PM
Convergence at slot	0.07° East	Database/Source file	WellArchitectDB/C_17_State_3H_AS-DRILLED_212.50_-13913_Proj_13913_MD.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.40	25.30	580898.60	476120.30	32°18'31.906"N	104°12'19.011"W
Facility Reference Pt			580873.30	476119.90	32°18'31.902"N	104°12'19.306"W
Field Reference Pt			165000.00	0.00	30°59'39.893"N	105°32'03.866"W

WELLPATH DATUM			
Calculation method	Minimum curvature	H&P 373 (KB) to Facility Vertical Datum	26.50ft
Horizontal Reference Pt	Slot	H&P 373 (KB) to Mean Sea Level	3181.50ft
Vertical Reference Pt	H&P 373 (KB)	H&P 373 (KB) to Ground Level at Slot (C 17 State 3H)	26.50ft
MD Reference Pt	H&P 373 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.82°

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WELLPATH DATA (123 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	69.900	0.00	0.00	0.00	0.00	580898.60	476120.30	32°18'31.906"N	104°12'19.011"W	0.00	0.00	0.00	
26.50	0.000	69.900	26.50	0.00	0.00	0.00	580898.60	476120.30	32°18'31.906"N	104°12'19.011"W	0.00	0.00	0.00	
212.50	1.000	69.900	212.49	-1.53	0.56	1.52	580900.12	476120.86	32°18'31.911"N	104°12'18.993"W	0.54	0.54	37.58	
345.50	1.000	84.100	345.47	-3.77	1.08	3.77	580902.37	476121.38	32°18'31.916"N	104°12'18.967"W	0.19	0.00	10.68	
445.50	0.300	19.200	445.46	-4.73	1.41	4.72	580903.32	478121.71	32°18'31.920"N	104°12'18.956"W	0.91	-0.70	-64.90	
516.00	0.730	65.090	515.96	-5.20	1.78	5.19	580903.79	476122.08	32°18'31.923"N	104°12'18.951"W	0.80	0.61	65.09	516.00ft MD: First BHGE MWD survey
698.00	0.640	35.350	697.95	-6.84	3.09	6.83	580905.43	476123.39	32°18'31.936"N	104°12'18.932"W	0.20	-0.05	-16.34	
879.00	0.420	105.460	878.94	-8.07	3.74	8.05	580906.65	476124.04	32°18'31.943"N	104°12'18.917"W	0.35	-0.12	38.73	
970.00	0.660	120.890	969.94	-8.84	3.38	8.83	580907.43	476123.68	32°18'31.939"N	104°12'18.908"W	0.31	0.26	16.96	
1061.00	1.410	153.990	1060.92	-9.77	2.11	9.77	580908.37	476122.41	32°18'31.927"N	104°12'18.897"W	1.02	0.82	36.37	
1152.00	3.680	159.810	1151.83	-11.26	-1.64	11.27	580909.86	476118.66	32°18'31.889"N	104°12'18.880"W	2.51	2.49	6.40	
1243.00	6.170	150.980	1242.49	-14.62	-8.66	14.65	580913.25	476111.64	32°18'31.820"N	104°12'18.841"W	2.85	2.74	-9.70	
1334.00	7.800	145.590	1332.81	-20.45	-18.03	20.51	580919.11	476102.27	32°18'31.727"N	104°12'18.773"W	1.93	1.79	-5.92	
1428.00	6.870	139.910	1426.04	-27.65	-27.59	27.73	580926.33	476092.71	32°18'31.632"N	104°12'18.688"W	1.25	-0.99	-6.04	
1523.00	7.240	143.140	1520.32	-34.87	-36.73	34.98	580933.58	476083.57	32°18'31.542"N	104°12'18.604"W	0.57	0.39	3.40	
1617.00	7.830	150.290	1613.51	-41.56	-47.03	41.71	580940.31	476073.27	32°18'31.440"N	104°12'18.526"W	1.18	0.63	7.61	
1712.00	8.870	152.030	1707.50	-48.17	-59.12	48.35	580946.95	476061.19	32°18'31.320"N	104°12'18.449"W	1.13	1.09	1.83	
1807.00	8.260	161.040	1801.45	-53.78	-72.04	54.01	580952.60	476048.26	32°18'31.192"N	104°12'18.383"W	1.55	-0.64	9.48	
1901.00	8.710	161.980	1894.42	-58.13	-85.20	58.40	580957.00	476035.11	32°18'31.062"N	104°12'18.332"W	0.50	0.48	1.00	
1956.00	9.390	159.420	1948.73	-60.97	-93.36	61.27	580959.86	476026.95	32°18'30.981"N	104°12'18.299"W	1.44	1.24	-4.65	
2044.00	10.460	157.280	2035.42	-66.54	-107.45	66.88	580965.47	476012.86	32°18'30.842"N	104°12'18.234"W	1.29	1.22	-2.43	
2107.00	10.090	155.780	2097.41	-70.98	-117.76	71.35	580969.94	476002.56	32°18'30.740"N	104°12'18.182"W	0.72	-0.59	-2.38	
2202.00	9.830	156.120	2190.97	-77.63	-132.76	78.05	580976.64	475987.55	32°18'30.591"N	104°12'18.104"W	0.28	-0.27	0.36	
2296.00	11.440	158.010	2283.36	-84.32	-148.74	84.79	580983.38	475971.57	32°18'30.433"N	104°12'18.025"W	1.75	1.71	2.01	
2391.00	11.610	158.640	2376.44	-91.27	-166.38	91.79	580990.39	475953.93	32°18'30.258"N	104°12'17.944"W	0.22	0.18	0.86	
2485.00	11.210	159.530	2468.58	-97.86	-183.75	98.44	580997.03	475936.57	32°18'30.086"N	104°12'17.867"W	0.46	-0.43	0.95	
2580.00	10.640	160.520	2561.86	-103.96	-200.67	104.59	581003.18	475919.65	32°18'29.919"N	104°12'17.795"W	0.63	-0.60	1.04	
2769.00	10.140	150.430	2747.78	-117.89	-231.59	118.62	581017.21	475888.73	32°18'29.613"N	104°12'17.632"W	1.00	-0.26	-5.34	
2958.00	10.860	153.380	2933.61	-133.98	-261.98	134.81	581033.40	475858.34	32°18'29.312"N	104°12'17.444"W	0.48	0.38	1.56	
3147.00	10.100	154.570	3119.46	-148.98	-292.86	149.90	581048.49	475827.46	32°18'29.006"N	104°12'17.269"W	0.42	-0.40	0.83	

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Area	Eddy County, NM	Well	C 17 State 3H
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WELLPATH DATA (123 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
3336.00	11.920	151.360	3304.97	-165.35	-324.96	166.37	581064.96	475795.37	32°18'28.688"N	104°12'17.077"W	1.02	0.96	-1.70	
3525.00	11.330	153.150	3490.10	-182.99	-358.66	184.12	581082.70	475761.67	32°18'28.355"N	104°12'16.871"W	0.37	-0.31	0.95	
3715.00	10.920	155.050	3676.53	-198.91	-391.63	200.14	581098.72	475728.71	32°18'28.028"N	104°12'16.685"W	0.29	-0.22	1.00	
3904.00	11.010	148.030	3862.08	-215.91	-423.17	217.24	581115.83	475697.17	32°18'27.716"N	104°12'16.486"W	0.71	0.05	-3.71	
4093.00	9.050	148.890	4048.19	-233.06	-451.21	234.48	581133.08	475669.13	32°18'27.438"N	104°12'16.285"W	1.04	-1.04	0.46	
4283.00	9.760	149.540	4235.63	-248.87	-477.89	250.37	581148.94	475642.46	32°18'27.174"N	104°12'16.101"W	0.38	0.37	0.34	
4472.00	11.340	151.690	4421.43	-265.70	-508.06	267.30	581165.88	475612.29	32°18'26.875"N	104°12'15.904"W	0.86	0.84	1.14	
4661.00	9.250	158.240	4607.38	-280.05	-538.53	281.75	581180.32	475581.82	32°18'26.574"N	104°12'15.736"W	1.27	-1.11	3.47	
4849.00	10.710	154.460	4792.54	-293.09	-568.33	294.88	581193.45	475552.03	32°18'26.279"N	104°12'15.583"W	0.85	0.78	-2.01	
5038.00	9.780	158.600	4978.52	-306.43	-599.12	308.31	581206.88	475521.24	32°18'25.974"N	104°12'15.427"W	0.63	-0.49	2.18	
5226.00	11.710	153.810	5163.22	-320.57	-631.11	322.56	581221.13	475489.25	32°18'25.657"N	104°12'15.262"W	1.13	1.03	-2.55	
5415.00	11.280	144.930	5348.45	-339.56	-663.45	341.65	581240.21	475456.91	32°18'25.337"N	104°12'15.040"W	0.96	-0.23	-4.70	
5604.00	10.440	137.290	5534.07	-361.71	-691.16	363.88	581262.45	475429.20	32°18'25.062"N	104°12'14.781"W	0.88	-0.44	-4.04	
5793.00	8.560	146.260	5720.48	-381.06	-715.45	383.31	581281.88	475404.92	32°18'24.822"N	104°12'14.555"W	1.26	-0.99	4.75	
5981.00	11.650	147.540	5905.54	-398.94	-743.10	401.28	581299.84	475377.26	32°18'24.548"N	104°12'14.346"W	1.65	1.64	0.68	
6170.00	11.510	152.120	6090.70	-417.90	-775.87	420.34	581318.90	475344.50	32°18'24.224"N	104°12'14.125"W	0.49	-0.07	2.42	
6359.00	11.330	158.890	6275.96	-433.30	-809.86	435.84	581334.40	475310.51	32°18'23.887"N	104°12'13.944"W	0.72	-0.10	3.58	
6549.00	12.340	153.800	6461.93	-448.87	-845.49	451.53	581350.09	475274.89	32°18'23.534"N	104°12'13.762"W	0.76	0.53	-2.68	
6738.00	9.920	157.140	6647.36	-464.01	-878.62	466.77	581365.33	475241.76	32°18'23.206"N	104°12'13.585"W	1.32	-1.28	1.77	
6927.00	10.840	149.140	6833.28	-479.36	-908.88	482.21	581380.77	475211.50	32°18'22.907"N	104°12'13.406"W	0.90	0.49	-4.23	
7116.00	12.200	149.400	7018.46	-498.54	-941.32	501.50	581400.05	475179.06	32°18'22.585"N	104°12'13.181"W	0.72	0.72	0.14	
7305.00	11.090	154.430	7203.58	-516.44	-974.91	519.51	581418.06	475145.48	32°18'22.253"N	104°12'12.972"W	0.80	-0.59	2.66	
7493.00	6.860	157.340	7389.23	-528.49	-1001.60	531.64	581430.19	475118.80	32°18'21.989"N	104°12'12.831"W	2.26	-2.25	1.55	
7682.00	5.330	158.020	7577.16	-536.07	-1020.15	539.28	581437.83	475100.24	32°18'21.805"N	104°12'12.742"W	0.81	-0.81	0.36	
7871.00	7.510	158.990	7764.96	-544.12	-1039.66	547.39	581445.94	475080.73	32°18'21.612"N	104°12'12.648"W	1.16	1.15	-0.54	
8060.00	4.220	158.680	7952.95	-551.43	-1057.52	554.75	581453.30	475062.88	32°18'21.435"N	104°12'12.562"W	1.74	-1.74	0.89	
8154.00	3.300	160.800	8046.74	-553.55	-1063.29	556.90	581455.45	475057.10	32°18'21.378"N	104°12'12.538"W	0.99	-0.98	2.26	
8249.00	2.810	173.950	8141.61	-554.68	-1068.19	558.04	581456.59	475052.21	32°18'21.329"N	104°12'12.524"W	0.90	-0.52	13.84	
8343.00	0.740	273.700	8235.57	-554.31	-1070.44	557.68	581456.23	475049.95	32°18'21.307"N	104°12'12.529"W	3.22	-2.20	106.12	
8437.00	1.130	305.400	8329.56	-552.95	-1069.87	556.32	581454.87	475050.53	32°18'21.313"N	104°12'12.544"W	0.67	0.41	33.72	

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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
8521.00	3.860	294.950	8413.47	-549.72	-1068.19	553.08	581451.63	475052.20	32°18'21.329"N	104°12'12.582"W	3.28	3.25	-12.44	
8616.00	11.990	294.340	8507.49	-537.83	-1062.77	541.17	581439.72	475057.63	32°18'21.383"N	104°12'12.721"W	8.56	8.56	-0.64	
8710.00	22.370	281.520	8597.20	-511.35	-1055.15	514.66	581413.22	475065.25	32°18'21.459"N	104°12'13.029"W	11.69	11.04	-13.64	
8804.00	38.170	273.970	8678.15	-464.55	-1049.53	467.85	581366.41	475070.87	32°18'21.515"N	104°12'13.575"W	17.26	16.81	-8.03	
8899.00	46.950	273.160	8748.06	-400.49	-1045.58	403.78	581302.34	475074.82	32°18'21.555"N	104°12'14.321"W	9.26	9.24	-0.85	
8993.00	53.180	270.010	8808.38	-328.50	-1043.67	331.78	581230.35	475076.72	32°18'21.575"N	104°12'15.160"W	7.11	6.63	-3.35	
9088.00	55.510	268.900	8863.75	-251.32	-1044.42	254.60	581153.18	475075.98	32°18'21.568"N	104°12'16.059"W	2.63	2.45	-1.17	
9155.40†	57.609	267.938	8900.89	-195.10	-1045.98	198.38	581096.96	475074.42	32°18'21.554"N	104°12'16.714"W	3.34	3.11	-1.43	9155.40ft MD: 330' FTP Hardline Crossing
9182.00	58.440	267.570	8914.98	-172.55	-1046.86	175.84	581074.42	475073.53	32°18'21.545"N	104°12'16.977"W	3.34	3.12	-1.38	
9278.00	64.030	267.940	8980.20	-90.23	-1050.08	93.53	580992.12	475070.32	32°18'21.514"N	104°12'17.936"W	5.96	5.95	0.39	
9371.00	77.340	270.920	8991.55	-0.79	-1050.87	4.10	580902.70	475069.52	32°18'21.507"N	104°12'18.978"W	14.32	14.01	3.14	
9449.00	86.050	273.130	9002.81	76.25	-1048.13	-72.96	580825.65	475072.26	32°18'21.535"N	104°12'19.876"W	11.51	11.17	2.83	
9554.00	91.880	275.480	9004.71	180.86	-1040.26	-177.59	580721.02	475080.14	32°18'21.615"N	104°12'21.095"W	5.99	5.55	2.24	
9644.00	90.460	274.650	9002.87	270.46	-1032.31	-267.22	580631.41	475088.08	32°18'21.694"N	104°12'22.139"W	1.83	-1.58	-0.92	
9733.00	88.480	271.870	9002.92	359.29	-1027.25	-356.07	580542.57	475093.14	32°18'21.745"N	104°12'23.174"W	3.31	-1.10	-3.12	
9823.00	88.740	272.050	9004.31	449.22	-1024.17	-446.00	580452.64	475096.22	32°18'21.777"N	104°12'24.222"W	0.85	-0.82	0.20	
9913.00	89.690	269.610	9005.55	539.19	-1022.87	-535.98	580362.67	475097.52	32°18'21.791"N	104°12'25.270"W	2.91	1.06	-2.71	
10002.00	90.560	270.020	9005.35	628.19	-1023.16	-624.97	580273.68	475097.24	32°18'21.789"N	104°12'26.307"W	1.08	0.98	0.46	
10092.00	88.430	268.670	9006.15	718.17	-1024.19	-714.96	580183.71	475096.21	32°18'21.780"N	104°12'27.356"W	2.80	-2.37	-1.50	
10182.00	88.800	269.750	9008.32	808.14	-1025.43	-804.92	580093.75	475094.97	32°18'21.789"N	104°12'28.404"W	1.27	0.41	1.20	
10272.00	91.420	269.210	9008.15	898.13	-1026.24	-894.91	580003.77	475094.15	32°18'21.762"N	104°12'29.452"W	2.97	2.91	-0.60	
10361.00	91.940	270.590	9005.54	987.09	-1026.40	-983.87	579914.82	475094.00	32°18'21.761"N	104°12'30.489"W	1.66	0.58	1.55	
10451.00	90.590	267.950	9003.55	1077.05	-1027.55	-1073.83	579824.87	475092.85	32°18'21.751"N	104°12'31.537"W	3.29	-1.50	-2.93	
10540.00	89.820	267.210	9003.23	1165.98	-1031.30	-1162.75	579735.96	475089.09	32°18'21.715"N	104°12'32.573"W	1.20	-0.87	-0.83	
10629.00	90.860	267.610	9002.71	1254.90	-1035.32	-1251.65	579647.08	475085.07	32°18'21.676"N	104°12'33.609"W	1.25	1.17	0.45	
10719.00	90.000	266.570	9002.03	1344.79	-1039.89	-1341.53	579557.19	475080.50	32°18'21.632"N	104°12'34.656"W	1.50	-0.96	-1.16	
10808.00	91.630	266.870	9000.76	1433.65	-1044.99	-1430.37	579468.36	475075.41	32°18'21.582"N	104°12'35.691"W	1.86	1.83	0.34	
10897.00	91.760	266.830	8998.13	1522.49	-1049.87	-1519.20	579379.54	475070.52	32°18'21.535"N	104°12'36.726"W	0.15	0.15	-0.04	
10987.00	90.890	266.130	8996.05	1612.31	-1055.40	-1609.01	579289.74	475065.00	32°18'21.481"N	104°12'37.773"W	1.24	-0.97	-0.78	
11076.00	92.120	266.860	8993.71	1701.13	-1060.84	-1697.81	579200.95	475059.58	32°18'21.428"N	104°12'38.807"W	1.61	1.38	0.82	

Actual Wellpath Report

C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 3H
Area	Eddy County, NM	Well	C 17 State 3H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 3H AWB
Facility	C 17 State Pad		

WELLPATH DATA (123 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11166.00	92.310	267.110	8990.23	1790.95	-1065.57	-1787.62	579111.15	475054.83	32°18'21.383°N	104°12'39.854°W	0.35	0.21	0.28	
11256.00	93.450	267.170	8985.71	1880.74	-1070.05	-1877.39	579021.38	475050.35	32°18'21.339°N	104°12'40.900°W	1.27	1.27	0.07	
11345.00	92.070	268.000	8981.43	1969.57	-1073.80	-1966.20	578932.58	475046.60	32°18'21.303°N	104°12'41.935°W	1.81	-1.55	0.93	
11434.00	91.020	267.520	8979.03	2058.48	-1077.27	-2055.10	578843.69	475043.12	32°18'21.270°N	104°12'42.970°W	1.30	-1.18	-0.54	
11523.00	89.570	266.780	8978.57	2147.37	-1081.70	-2143.99	578754.81	475038.70	32°18'21.227°N	104°12'44.006°W	1.83	-1.63	-0.83	
11613.00	90.960	268.320	8978.15	2237.30	-1085.55	-2233.90	578664.90	475034.85	32°18'21.190°N	104°12'45.054°W	2.30	1.54	1.71	
11702.00	90.220	269.650	8977.24	2326.28	-1087.12	-2322.88	578575.93	475033.28	32°18'21.175°N	104°12'46.090°W	1.71	-0.83	1.49	
11792.00	91.230	269.900	8976.10	2416.27	-1087.48	-2412.87	578485.95	475032.92	32°18'21.173°N	104°12'47.139°W	1.16	1.12	0.28	
11881.00	91.050	269.430	8974.33	2505.25	-1088.00	-2501.85	578396.98	475032.40	32°18'21.169°N	104°12'48.176°W	0.57	-0.20	-0.53	
11971.00	90.830	269.380	8972.85	2595.24	-1088.93	-2591.83	578307.00	475031.47	32°18'21.160°N	104°12'49.224°W	0.25	-0.24	-0.06	
12060.00	91.540	269.320	8971.01	2684.22	-1089.94	-2680.81	578218.04	475030.46	32°18'21.151°N	104°12'50.261°W	0.80	0.80	-0.07	
12150.00	91.020	269.850	8969.00	2774.19	-1090.59	-2770.78	578128.07	475029.81	32°18'21.146°N	104°12'51.309°W	0.82	-0.58	0.59	
12239.00	90.620	269.720	8967.73	2863.18	-1090.93	-2859.77	578039.09	475029.47	32°18'21.144°N	104°12'52.346°W	0.47	-0.45	-0.15	
12329.00	90.430	269.070	8966.90	2953.18	-1091.88	-2949.76	577949.11	475028.52	32°18'21.135°N	104°12'53.394°W	0.75	-0.21	-0.72	
12419.00	90.460	268.880	8966.20	3043.18	-1093.64	-3039.74	577859.14	475026.76	32°18'21.119°N	104°12'54.443°W	0.43	0.03	-0.43	
12508.00	90.680	268.640	8965.32	3132.14	-1095.73	-3128.71	577770.17	475024.67	32°18'21.099°N	104°12'55.479°W	0.25	0.25	-0.04	
12597.00	91.600	270.090	8963.55	3221.12	-1096.71	-3217.69	577681.21	475023.69	32°18'21.090°N	104°12'56.516°W	1.93	1.03	1.63	
12687.00	91.330	269.420	8961.24	3311.09	-1097.10	-3307.66	577591.25	475023.30	32°18'21.087°N	104°12'57.564°W	0.80	-0.30	-0.74	
12776.00	90.860	268.490	8959.54	3400.06	-1098.72	-3396.62	577502.29	475021.68	32°18'21.072°N	104°12'58.601°W	1.17	-0.53	-1.04	
12866.00	92.900	269.490	8958.59	3489.99	-1100.30	-3488.55	577412.36	475020.10	32°18'21.058°N	104°12'59.649°W	2.52	2.27	1.11	
12956.00	94.090	270.910	8951.10	3579.82	-1099.99	-3576.38	577322.54	475020.41	32°18'21.062°N	104°13'00.695°W	2.06	1.32	1.58	
13045.00	93.980	273.110	8944.84	3668.53	-1096.88	-3665.10	577233.83	475023.52	32°18'21.094°N	104°13'01.729°W	2.47	-0.12	2.47	
13135.00	93.080	275.760	8939.30	3758.06	-1089.93	-3754.65	577144.29	475030.47	32°18'21.163°N	104°13'02.772°W	3.10	-1.00	2.94	
13224.00	89.510	274.710	8937.29	3846.62	-1081.82	-3843.24	577055.71	475038.58	32°18'21.244°N	104°13'03.804°W	4.18	-4.01	-1.18	
13314.00	89.290	275.340	8938.23	3936.25	-1073.93	-3932.89	576966.07	475046.47	32°18'21.323°N	104°13'04.849°W	0.74	-0.24	0.70	
13403.00	86.120	273.020	8941.79	4024.90	-1067.45	-4021.57	576877.40	475052.95	32°18'21.388°N	104°13'05.882°W	4.41	-3.56	-2.61	
13493.00	86.310	272.630	8947.74	4114.58	-1063.02	-4111.26	576787.71	475057.37	32°18'21.433°N	104°13'06.927°W	0.48	0.21	-0.43	
13582.00	87.870	270.930	8952.25	4203.41	-1060.26	-4200.10	576698.88	475060.13	32°18'21.461°N	104°13'07.962°W	2.59	1.75	-1.91	
13672.00	89.200	269.610	8954.55	4293.37	-1059.84	-4290.06	576608.93	475060.56	32°18'21.467°N	104°13'09.010°W	2.08	1.48	-1.47	
13761.00	89.720	267.560	8955.39	4382.34	-1062.04	-4379.03	576519.97	475058.36	32°18'21.446°N	104°13'10.047°W	2.38	0.58	-2.30	

Actual Wellpath Report

C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD
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REFERENCE WELLPATH IDENTIFICATION

Operator	WPX Energy	Slot	C 17 State 3H
Area	Eddy County, NM	Well	C 17 State 3H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 3H AWB
Facility	C 17 State Pad		

WELLPATH DATA (123 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
13803.76†	91.205	267.690	8955.05	4425.07	1063.81	4421.75	576477.25	475056.59	32°18'21.429"N	104°13'10.544"W	3.49	3.47	0.31	13803.76ft MD: 330' LTP Hardline Crossing
13856.00	93.020	267.850	8953.12	4477.24	1065.84	4473.91	576425.10	475054.56	32°18'21.409"N	104°13'11.152"W	3.49	3.47	0.31	13856.00ft MD: Last BHGE MWD survey
13913.00	93.020	267.850	8950.12	4534.12	1067.98	4530.79	576368.22	475052.42	32°18'21.389"N	104°13'11.815"W	0.00	0.00	0.00	13913.00ft MD: Projection to bit

HOLE & CASING SECTIONS - Ref Wellbore: C 17 State 3H AWB Ref Wellpath: C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
17.5in Open Hole	26.50	458.50	432.00	26.50	458.46	0.00	0.00	1.48	4.76
13.375in Casing Surface	26.50	444.50	418.00	26.50	444.46	0.00	0.00	1.41	4.72

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
C 17 State 3H FTP	9031.00	-1065.50	198.52	581097.10	475054.90	32°18'21.360"N	104°12'16.713"W	point
C 17 State 3H LTP	9031.00	-1080.10	-4421.80	576477.20	475040.30	32°18'21.268"N	104°13'10.545"W	point
C 17 State 3H PBHL rev 1	9031.00	-1080.20	-4521.81	576377.20	475040.20	32°18'21.268"N	104°13'11.710"W	point

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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 3H
Area	Eddy County, NM	Well	C 17 State 3H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 3H AWB
Facility	C 17 State Pad		

WELLPATH COMPOSITION - Ref Wellbore: C 17 State 3H AWB Ref Wellpath: C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.50	445.50	ISCWSA MWD, Rev. 4 (Standard)	01. TRUEshot MWD 17.5" <212.50'- 445.50'>	C 17 State 3H AWB
445.50	9449.00	BHI NaviTrak (Short spacing)	02. BHGE/MWD 12.25" 8.75" <516'-9449'>	C 17 State 3H AWB
9449.00	13856.00	BHI NaviTrak (Short spacing)	03. BHGE/MWD 6.125" <9554'-13856'>	C 17 State 3H AWB
13856.00	13913.00	Blind Drilling (std)	Projection to bit	C 17 State 3H AWB

Actual Wellpath Report **C 17 State 3H AS-DRILLED <212.50'-13913'> Proj: 13913' MD** Page 8 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 3H
Area	Eddy County, NM	Well	C 17 State 3H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 3H AWB
Facility	C 17 State Pad		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
516.00	0.730	65.090	515.96	516.00ft MD: First BHGE MWD survey
9155.40	57.609	267.938	8900.89	9155.40ft MD: 330' FTP Hardline Crossing
13803.76	91.205	267.690	8955.05	13803.76ft MD: 330' LTP Hardline Crossing
13856.00	93.020	267.850	8953.12	13856.00ft MD: Last BHGE MWD survey
13913.00	93.020	267.850	8950.12	13913.00ft MD: Projection to bit

Location:	Eddy County, NM	Slot:	C 17 State 3H
Field:	Wildcat Eddy Co., NM NAD83	Well:	C 17 State 3H
Facility:	C 17 State Pad	Wellbore:	C 17 State 3H AWB

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