

Actual Wellpath Report

C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50'-14065'> Proj: 14129' MD

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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 1H
Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H 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	4/12/2018 at 2:18:42 PM
Convergence at slot	0.07° East	Database/Source file	WellArchitectDB/C_17_State_1H_IFR1_MS_corrected_AS-DRILLED_137.50_-14065_Proj_14129_MD.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	580873.30	476119.90	32°18'31.902"N	104°12'19.306"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 1H)	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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Facility	C 17 State Pad		

WELLPATH DATA (126 stations) † = Interpolated/extrapolated station														Comments
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]	
0.00†	0.000	131.300	0.00	0.00	0.00	0.00	580873.30	476119.90	32°18'31.902"N	104°12'19.306"W	0.00	0.00	0.00	
26.50	0.000	131.300	26.50	0.00	0.00	0.00	580873.30	476119.90	32°18'31.902"N	104°12'19.306"W	0.00	0.00	0.00	
137.50	0.600	131.300	137.50	-0.44	-0.38	0.44	580873.74	476119.52	32°18'31.898"N	104°12'19.301"W	0.54	0.54	118.29	
196.50	0.900	42.900	196.49	-0.98	-0.25	0.98	580874.28	476119.65	32°18'31.900"N	104°12'19.295"W	1.81	0.51	-149.83	
221.01	0.970	51.820	221.00	-1.28	0.02	1.28	580874.58	476119.92	32°18'31.902"N	104°12'19.291"W	0.66	0.29	38.39	
255.50	1.100	62.100	255.49	-1.80	0.36	1.80	580875.10	476120.26	32°18'31.906"N	104°12'19.285"W	0.66	0.38	29.81	
314.50	1.100	72.100	314.47	-2.84	0.80	2.84	580876.14	476120.70	32°18'31.910"N	104°12'19.273"W	0.32	0.00	16.95	
378.50	1.200	75.000	378.46	-4.08	1.16	4.07	580877.37	476121.06	32°18'31.914"N	104°12'19.259"W	0.18	0.16	4.53	
448.50	0.800	70.300	448.45	-5.24	1.51	5.24	580878.54	476121.41	32°18'31.917"N	104°12'19.245"W	0.58	-0.57	-6.71	
517.00	1.580	79.190	516.94	-6.62	1.85	6.62	580879.92	476121.75	32°18'31.920"N	104°12'19.229"W	1.17	1.14	12.98	517.00ft MD: First BHGE MWD survey (IFR,MS corrected)
608.00	1.570	75.620	607.90	-9.06	2.40	9.06	580882.36	476122.30	32°18'31.926"N	104°12'19.200"W	0.11	-0.01	-3.92	
698.00	1.270	72.710	697.87	-11.21	3.00	11.20	580884.50	476122.90	32°18'31.932"N	104°12'19.175"W	0.34	-0.33	-3.23	
789.00	1.080	77.950	788.85	-13.02	3.48	13.01	580886.30	476123.38	32°18'31.936"N	104°12'19.154"W	0.24	-0.21	5.76	
880.00	1.010	69.840	879.84	-14.61	3.93	14.60	580887.90	476123.83	32°18'31.941"N	104°12'19.136"W	0.18	-0.08	-8.91	
971.00	0.980	81.130	970.83	-16.13	4.33	16.12	580889.42	476124.23	32°18'31.945"N	104°12'19.118"W	0.22	-0.03	12.41	
1062.00	0.700	101.420	1061.82	-17.45	4.34	17.43	580890.73	476124.24	32°18'31.945"N	104°12'19.103"W	0.44	-0.31	22.30	
1153.00	2.030	82.450	1152.79	-19.59	4.44	19.58	580892.87	476124.34	32°18'31.946"N	104°12'19.078"W	1.52	1.46	-20.85	
1244.00	3.990	75.850	1243.66	-24.26	5.43	24.24	580897.54	476125.33	32°18'31.956"N	104°12'19.023"W	2.18	2.15	-7.25	
1338.00	5.790	73.150	1337.31	-31.98	7.60	31.95	580905.25	476127.50	32°18'31.977"N	104°12'18.934"W	1.93	1.91	-2.87	
1433.00	6.540	61.300	1431.77	-41.32	11.59	41.29	580914.58	476131.49	32°18'32.016"N	104°12'18.825"W	1.55	0.78	-12.47	
1527.00	7.170	50.000	1525.10	-50.53	17.93	50.48	580923.77	476137.83	32°18'32.079"N	104°12'18.718"W	1.58	0.67	-12.02	
1622.00	6.990	49.600	1619.37	-59.51	25.47	59.43	580932.73	476145.37	32°18'32.153"N	104°12'18.613"W	0.19	-0.19	-0.21	
1717.00	7.610	47.230	1713.60	-68.57	33.47	68.47	580941.76	476153.37	32°18'32.233"N	104°12'18.508"W	0.74	0.65	-2.71	
1811.00	8.720	42.760	1806.65	-78.01	42.93	77.87	580951.17	476162.83	32°18'32.326"N	104°12'18.398"W	1.36	1.18	-4.76	
1906.00	9.580	46.710	1900.44	-88.68	53.64	88.52	580961.81	476173.64	32°18'32.432"N	104°12'18.274"W	1.12	0.91	4.16	
1981.00	9.420	49.680	1974.41	-97.93	61.89	97.74	580971.03	476181.79	32°18'32.513"N	104°12'18.166"W	0.69	-0.21	3.96	
2097.00	8.480	49.360	2089.00	-111.70	73.60	111.47	580984.76	476193.50	32°18'32.629"N	104°12'18.006"W	0.81	-0.81	-0.28	
2286.00	10.920	54.230	2275.29	-136.86	93.15	136.57	581009.86	476213.04	32°18'32.822"N	104°12'17.713"W	1.36	1.29	2.56	
2475.00	10.640	55.620	2460.95	-165.85	113.47	165.50	581038.78	476233.36	32°18'33.023"N	104°12'17.376"W	0.20	-0.15	0.74	
2664.00	10.290	55.780	2646.81	-194.27	132.81	193.85	581067.14	476252.70	32°18'33.214"N	104°12'17.045"W	0.19	-0.18	0.08	

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Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
Facility	C 17 State Pad		

WELLPATH DATA (126 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
2854.00	8.860	55.340	2834.16	-220.40	150.68	219.92	581093.20	476270.56	32°18'33.390°N	104°12'16.741°W	0.75	-0.75	-0.23	
3043.00	11.190	48.050	3020.27	-246.08	171.22	245.54	581118.82	476291.10	32°18'33.593°N	104°12'16.443°W	1.40	1.23	-3.86	
3232.00	10.640	47.890	3205.85	-272.73	195.18	272.12	581145.40	476315.06	32°18'33.830°N	104°12'16.133°W	0.29	-0.29	-0.08	
3421.00	9.700	46.500	3391.87	-297.30	217.84	296.62	581169.89	476337.72	32°18'34.054°N	104°12'15.847°W	0.51	-0.50	-0.74	
3610.00	9.340	46.880	3578.27	-320.11	239.28	319.36	581192.83	476358.16	32°18'34.288°N	104°12'15.582°W	0.19	-0.19	0.20	
3799.00	9.390	46.440	3764.75	-342.54	260.39	341.73	581215.00	476380.26	32°18'34.475°N	104°12'15.321°W	0.05	0.03	-0.23	
3989.00	8.400	44.420	3952.46	-363.55	280.98	362.67	581235.94	476400.86	32°18'34.678°N	104°12'15.076°W	0.55	-0.52	-1.06	
4178.00	9.110	49.480	4139.26	-384.65	300.56	383.71	581256.98	476420.44	32°18'34.872°N	104°12'14.831°W	0.55	0.38	2.68	
4367.00	10.810	47.710	4325.41	-409.21	322.21	408.20	581281.46	476442.08	32°18'35.086°N	104°12'14.545°W	0.91	0.90	-0.94	
4556.00	9.850	48.070	4511.34	-434.42	344.94	433.34	581306.80	476464.81	32°18'35.310°N	104°12'14.252°W	0.51	-0.51	0.19	
4745.00	9.170	54.210	4697.75	-458.72	364.55	457.58	581330.84	476484.42	32°18'35.504°N	104°12'13.969°W	0.65	-0.36	3.25	
4934.00	10.040	52.110	4884.10	-484.00	383.48	482.80	581356.05	476503.34	32°18'35.691°N	104°12'13.675°W	0.50	0.46	-1.11	
5122.00	12.620	48.030	5068.42	-512.28	407.28	511.01	581384.26	476527.14	32°18'35.926°N	104°12'13.346°W	1.44	1.37	-2.17	
5311.00	10.980	48.190	5253.42	-541.13	433.09	539.77	581413.03	476552.95	32°18'36.181°N	104°12'13.011°W	0.87	-0.87	0.08	
5499.00	8.870	48.390	5438.60	-565.38	454.65	563.98	581437.21	476574.51	32°18'36.394°N	104°12'12.729°W	1.12	-1.12	0.11	
5688.00	9.240	49.520	5625.24	-587.88	474.18	586.40	581459.64	476594.04	32°18'36.587°N	104°12'12.467°W	0.22	0.20	0.60	
5877.00	9.200	54.500	5811.80	-611.78	492.80	610.24	581483.48	476612.66	32°18'36.771°N	104°12'12.189°W	0.42	-0.02	2.63	
6066.00	10.170	52.920	5998.11	-637.46	511.64	635.85	581509.09	476631.49	32°18'36.957°N	104°12'11.890°W	0.53	0.51	-0.84	
6255.00	9.970	52.360	6184.20	-663.79	531.69	662.12	581535.36	476651.54	32°18'37.155°N	104°12'11.584°W	0.12	-0.11	-0.30	
6444.00	8.750	53.530	6370.68	-688.36	550.23	686.64	581559.87	476670.08	32°18'37.338°N	104°12'11.298°W	0.65	-0.65	0.62	
6633.00	9.960	53.830	6557.16	-713.17	568.42	711.39	581584.63	476688.27	32°18'37.518°N	104°12'11.009°W	0.64	0.64	0.16	
6822.00	6.170	52.280	6744.26	-734.46	584.29	732.63	581605.86	476704.13	32°18'37.675°N	104°12'10.762°W	2.01	-2.01	-0.82	
7011.00	5.250	55.830	6932.32	-749.68	595.36	747.82	581621.05	476715.20	32°18'37.784°N	104°12'10.584°W	0.52	-0.49	1.88	
7200.00	6.330	51.290	7120.35	-765.00	606.73	763.10	581636.33	476726.57	32°18'37.897°N	104°12'10.406°W	0.62	0.57	-2.40	
7389.00	3.340	54.810	7308.68	-777.67	616.42	775.73	581648.96	476736.26	32°18'37.992°N	104°12'10.259°W	1.59	-1.58	1.88	
7578.00	0.710	337.740	7497.54	-781.74	620.68	779.79	581653.02	476740.52	32°18'38.034°N	104°12'10.212°W	1.72	-1.39	-40.78	
7766.00	1.830	314.640	7685.49	-779.17	623.87	777.21	581650.44	476743.71	32°18'38.066°N	104°12'10.241°W	0.64	0.60	-12.29	
7956.00	0.840	281.730	7875.44	-775.66	626.28	773.69	581646.92	476746.12	32°18'38.090°N	104°12'10.282°W	0.64	-0.52	-17.32	
8144.00	1.140	296.370	8063.41	-772.63	627.39	770.67	581643.90	476747.23	32°18'38.101°N	104°12'10.318°W	0.21	0.16	7.79	
8333.00	0.260	319.220	8252.40	-770.67	628.55	768.70	581641.93	476748.39	32°18'38.112°N	104°12'10.341°W	0.48	-0.47	12.09	

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Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
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8427.00	0.410	322.020	8346.40	-770.33	628.98	768.36	581641.59	476748.82	32°18'38.117"N	104°12'10.345"W	0.16	0.16	2.98	
8511.00	3.350	291.820	8430.34	-767.87	630.13	765.89	581639.12	476749.97	32°18'38.128"N	104°12'10.373"W	3.57	3.50	-35.95	
8605.00	11.430	283.040	8523.49	-756.23	633.25	754.25	581627.48	476753.10	32°18'38.159"N	104°12'10.509"W	8.65	8.60	-9.34	
8699.00	19.260	272.580	8614.08	-731.64	636.06	729.64	581602.88	476755.90	32°18'38.187"N	104°12'10.796"W	8.80	8.33	-11.13	
8794.00	27.300	277.850	8701.28	-694.35	639.75	692.35	581565.58	476759.59	32°18'38.224"N	104°12'11.230"W	8.73	8.46	5.55	
8888.00	37.040	280.470	8780.78	-645.06	647.86	643.03	581516.27	476767.70	32°18'38.305"N	104°12'11.805"W	10.47	10.36	2.79	
8982.00	47.260	280.630	8850.36	-583.17	659.40	581.10	581454.35	476779.24	32°18'38.420"N	104°12'12.526"W	10.87	10.87	0.17	
9077.00	54.180	279.260	8910.47	-510.82	672.05	508.71	581381.96	476791.89	32°18'38.546"N	104°12'13.369"W	7.37	7.28	-1.44	
9171.00	61.030	279.330	8960.80	-432.58	684.86	430.43	581303.69	476804.70	32°18'38.674"N	104°12'14.281"W	7.29	7.29	0.07	
9266.00	68.560	281.520	9001.23	-348.17	700.45	345.97	581219.24	476820.29	32°18'38.829"N	104°12'15.265"W	8.20	7.93	2.31	
9360.00	81.330	281.690	9025.60	-259.49	718.68	257.23	581130.51	476838.51	32°18'39.010"N	104°12'16.299"W	13.59	13.59	0.18	
9399.50†	84.949	282.134	9030.32	-221.15	726.77	218.87	581092.15	476846.61	32°18'39.091"N	104°12'16.746"W	9.23	9.16	1.12	9399.50ft MD: 330' FTP Hardline Crossing
9464.00	90.860	282.850	9032.67	-158.29	740.71	155.96	581029.25	476860.54	32°18'39.230"N	104°12'17.478"W	9.23	9.16	1.11	
9554.00	91.970	282.880	9030.45	-70.64	760.74	68.25	580941.55	476880.57	32°18'39.429"N	104°12'18.500"W	1.23	1.23	0.03	
9644.00	90.090	280.690	9028.83	17.38	779.12	-19.83	580853.47	476898.95	32°18'39.612"N	104°12'19.526"W	3.21	-2.08	-2.43	
9733.00	90.550	277.810	9028.34	105.17	793.42	-107.66	580765.65	476913.25	32°18'39.754"N	104°12'20.549"W	3.28	0.52	-3.24	
9823.00	91.450	274.850	9026.76	194.56	803.34	-197.09	580676.23	476923.17	32°18'39.854"N	104°12'21.591"W	3.44	1.00	-3.29	
9913.00	89.170	271.290	9026.28	284.39	808.16	-286.93	580586.39	476927.99	32°18'39.902"N	104°12'22.638"W	4.70	-2.53	-3.96	
10002.00	88.740	270.750	9027.90	373.36	809.75	-375.91	580497.43	476929.57	32°18'39.919"N	104°12'23.675"W	0.78	-0.48	-0.61	
10092.00	89.570	268.350	9029.23	463.34	809.04	-465.89	580407.46	476928.86	32°18'39.913"N	104°12'24.723"W	2.82	0.92	-2.67	
10182.00	92.370	268.630	9027.70	553.30	806.67	-555.83	580317.52	476926.49	32°18'39.891"N	104°12'25.771"W	3.13	3.11	0.31	
10271.00	91.420	269.380	9024.76	642.24	805.12	-644.77	580228.59	476924.95	32°18'39.876"N	104°12'26.808"W	1.36	-1.07	0.84	
10361.00	91.730	271.230	9022.29	732.19	805.60	-734.73	580138.64	476925.43	32°18'39.882"N	104°12'27.856"W	2.08	0.34	2.06	
10450.00	92.530	271.940	9018.98	821.09	808.06	-823.63	580049.74	476927.89	32°18'39.908"N	104°12'28.892"W	1.20	0.90	0.80	
10539.00	91.600	271.770	9015.77	908.97	810.94	-912.53	579960.88	476930.77	32°18'39.937"N	104°12'29.927"W	1.08	-1.04	-0.19	
10629.00	91.540	270.700	9013.31	999.91	812.88	-1002.47	579870.92	476932.71	32°18'39.957"N	104°12'30.975"W	1.19	-0.07	-1.19	
10718.00	91.050	272.450	9011.30	1088.84	815.32	-1091.41	579781.99	476935.15	32°18'39.983"N	104°12'32.012"W	2.04	-0.55	1.97	
10808.00	90.920	272.510	9009.75	1178.73	819.22	-1181.31	579692.09	476939.04	32°18'40.022"N	104°12'33.059"W	0.16	-0.14	0.07	
10897.00	90.560	272.110	9008.60	1267.64	822.81	-1270.23	579603.18	476942.63	32°18'40.059"N	104°12'34.095"W	0.60	-0.40	-0.45	
10887.00	90.430	272.120	9007.82	1357.57	826.13	-1380.17	579513.26	476945.95	32°18'40.092"N	104°12'35.143"W	0.14	-0.14	0.01	

Actual Wellpath Report

C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50'-14065'> Proj: 14129' MD

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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 1H
Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
Facility	C 17 State Pad		

WELLPATH DATA (126 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
11076.00	90.370	271.070	9007.20	1446.52	828.60	-1449.13	579424.30	476948.43	32°18'40.118"N	104°12'36.179"W	1.18	-0.07	-1.18	
11166.00	90.990	271.380	9006.13	1536.49	830.53	-1539.10	579334.34	476950.35	32°18'40.138"N	104°12'37.228"W	0.77	0.69	0.34	
11255.00	91.880	271.090	9003.90	1625.43	832.45	-1628.05	579245.39	476952.27	32°18'40.158"N	104°12'38.264"W	1.05	1.00	-0.33	
11345.00	92.160	271.100	9000.73	1715.35	834.16	-1717.98	579155.48	476953.99	32°18'40.176"N	104°12'39.312"W	0.31	0.31	0.01	
11434.00	91.570	270.830	8997.83	1804.29	835.51	-1806.92	579066.54	476955.33	32°18'40.190"N	104°12'40.348"W	0.85	-0.66	-0.53	
11523.00	91.390	270.100	8995.54	1893.26	836.07	-1895.89	578977.58	476955.90	32°18'40.197"N	104°12'41.385"W	0.63	-0.20	-0.60	
11612.00	91.980	270.380	8992.92	1982.21	836.45	-1984.85	578888.63	476956.27	32°18'40.202"N	104°12'42.421"W	0.73	0.66	0.31	
11702.00	88.090	269.840	8992.86	2072.20	836.62	-2074.83	578798.66	476956.44	32°18'40.204"N	104°12'43.470"W	4.36	-4.32	-0.60	
11791.00	88.920	269.910	8995.19	2161.16	836.43	-2163.80	578709.69	476956.25	32°18'40.203"N	104°12'44.507"W	0.94	0.93	0.08	
11881.00	93.240	269.810	8993.49	2251.13	836.21	-2253.77	578610.74	476956.03	32°18'40.202"N	104°12'45.555"W	4.80	4.80	-0.11	
11970.00	94.410	269.150	8987.55	2339.93	835.40	-2342.56	578530.95	476955.22	32°18'40.195"N	104°12'46.589"W	1.51	1.31	-0.74	
12060.00	93.240	270.480	8981.55	2429.72	835.11	-2432.36	578441.17	476954.93	32°18'40.193"N	104°12'47.636"W	1.97	-1.30	1.48	
12149.00	91.260	270.290	8978.05	2518.64	835.71	-2521.28	578352.25	476955.53	32°18'40.200"N	104°12'48.672"W	2.23	-2.22	-0.21	
12239.00	91.170	269.990	8976.15	2608.62	835.93	-2611.26	578262.28	476955.75	32°18'40.203"N	104°12'49.720"W	0.35	-0.10	-0.33	
12328.00	90.590	269.800	8974.78	2697.61	835.76	-2700.25	578173.30	476955.59	32°18'40.203"N	104°12'50.757"W	0.89	-0.65	-0.21	
12418.00	93.080	269.740	8971.90	2787.56	835.40	-2790.20	578083.36	476955.23	32°18'40.200"N	104°12'51.805"W	2.77	2.77	-0.07	
12507.00	92.750	268.850	8967.37	2876.44	834.31	-2879.07	577994.49	476954.13	32°18'40.190"N	104°12'52.841"W	1.07	-0.37	-1.00	
12597.00	92.370	271.390	8963.35	2966.34	834.50	-2968.98	577904.60	476954.32	32°18'40.193"N	104°12'53.888"W	2.85	-0.42	2.82	
12687.00	90.960	270.910	8960.74	3056.27	836.30	-3058.92	577814.66	476956.13	32°18'40.212"N	104°12'54.936"W	1.65	-1.57	-0.53	
12776.00	91.230	271.260	8959.03	3145.24	837.99	-3147.98	577725.70	476957.81	32°18'40.230"N	104°12'55.973"W	0.50	0.30	0.39	
12866.00	91.760	271.000	8956.69	3235.18	839.76	-3237.84	577635.76	476959.59	32°18'40.248"N	104°12'57.021"W	0.66	0.59	-0.29	
12955.00	92.680	271.240	8953.24	3324.09	841.50	-3326.75	577546.85	476961.32	32°18'40.266"N	104°12'58.057"W	1.07	1.03	0.27	
13045.00	92.400	270.900	8949.25	3413.98	843.18	-3416.65	577456.96	476963.00	32°18'40.284"N	104°12'59.104"W	0.49	-0.31	-0.38	
13134.00	91.360	271.140	8946.33	3502.91	844.76	-3505.58	577368.04	476964.59	32°18'40.301"N	104°13'00.141"W	1.20	-1.17	0.27	
13224.00	88.880	271.680	8946.16	3592.87	846.98	-3595.55	577278.08	476966.80	32°18'40.324"N	104°13'01.189"W	2.84	-2.78	0.60	
13313.00	89.450	271.650	8947.47	3681.81	849.56	-3684.50	577189.13	476969.39	32°18'40.350"N	104°13'02.225"W	0.66	0.66	-0.03	
13403.00	91.730	270.890	8946.54	3771.77	851.56	-3774.47	577099.18	476971.38	32°18'40.371"N	104°13'03.274"W	2.67	2.53	-0.84	
13493.00	92.770	270.800	8943.01	3861.69	852.89	-3864.39	577009.27	476972.71	32°18'40.385"N	104°13'04.321"W	1.16	1.16	-0.10	
13582.00	92.900	271.090	8938.61	3950.56	854.35	-3953.27	576920.39	476974.17	32°18'40.400"N	104°13'05.357"W	0.36	0.15	0.33	
13672.00	95.770	271.060	8931.81	4040.27	856.03	-4042.98	576830.69	476975.86	32°18'40.418"N	104°13'06.402"W	3.19	3.19	-0.03	

Actual Wellpath Report

C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50'-14065'> Proj: 14129' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 1H
Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
Facility	C 17 State Pad		

WELLPATH DATA (126 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
13761.00	94.720	270.320	8923.67	4128.89	857.10	4131.60	576742.07	476976.92	32°18'40.429"N	104°13'07.435"W	1.44	-1.18	-0.83	
13851.00	89.570	270.020	8920.30	4218.79	857.37	4221.51	576652.18	476977.19	32°18'40.433"N	104°13'08.482"W	5.73	-5.72	-0.33	
13940.00	89.290	269.890	8921.19	4307.79	857.30	4310.50	576563.19	476977.12	32°18'40.433"N	104°13'09.519"W	0.35	-0.31	-0.15	
14030.00	90.460	270.000	8921.38	4397.79	857.21	4400.50	576473.20	476977.03	32°18'40.433"N	104°13'10.568"W	1.31	1.30	0.12	
14065.00	90.340	270.130	8921.14	4432.79	857.25	4435.50	576438.20	476977.07	32°18'40.434"N	104°13'10.976"W	0.51	-0.34	0.37	14065.00ft MD: Last BHGE MWD survey (IFR,MS corrected)
14129.00	90.340	270.130	8920.76	4496.78	857.40	4499.50	576374.21	476977.22	32°18'40.436"N	104°13'11.721"W	0.00	0.00	0.00	14129.00ft MD: Projection to bit

HOLE & CASING SECTIONS

- Ref Wellbore: C 17 State 1H AWB

Ref Wellpath: C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50'-14065'> Proj: 14129' 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	461.50	435.00	26.50	461.45	0.00	0.00	1.57	5.43
13.375in Casing Surface	26.50	452.50	426.00	26.50	452.45	0.00	0.00	1.53	5.29
12.25in Open Hole	461.50	2043.00	1581.50	461.45	2035.62	1.57	5.43	68.29	105.26
9.625in Casing Intermediate	26.50	2043.00	2016.50	26.50	2035.62	0.00	0.00	68.29	105.26
8.75in Open Hole	2043.00	9424.00	7381.00	2035.62	9031.99	68.29	105.26	731.97	194.98
7in Casing Intermediate	26.50	9424.00	9397.50	26.50	9031.99	0.00	0.00	731.97	194.98
6.125in Open Hole	9424.00	14129.00	4705.00	9031.99	8920.76	731.97	194.98	857.40	-4499.50
4.5in Liner	8357.00	14129.00	5772.00	8276.40	8920.76	628.64	768.63	857.40	-4499.50

Actual Wellpath Report

C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50°-14065°> Proj: 14129' MD

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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 1H
Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
Facility	C 17 State Pad		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
C 17 State 1H FTP plat	9027.00	815.07	218.92	581092.20	476934.90	32°18'39.965"N	104°12'16.744"W	point
C 17 State 1H FTP#2 rev-1	9027.00	735.00	218.92	581092.20	476854.83	32°18'39.172"N	104°12'16.745"W	point
C 17 State 1H LTP	9027.00	800.57	-4394.60	576479.10	476920.40	32°18'39.873"N	104°13'10.500"W	point
C 17 State 1H PBHL rev 1	9027.00	800.37	-4494.61	576379.10	476920.20	32°18'39.872"N	104°13'11.665"W	point

WELLPATH COMPOSITION - Ref Wellbore: C 17 State 1H AWB					Ref Wellpath: C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50°-14065°> Proj: 14129' MD			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment			Wellbore	
26.50	448.50	ISCWSA MWD, Rev. 4 (Standard)		01. TRUEshot MWD (17.5" surf. section) <137.50°- 448.50°>			C 17 State 1H AWB	
448.50	7956.00	BHI NaviTrak (Axial Corr, Short spacing)		02. BHGE/MWD (IFR1,MS) (12.25"/8.75" int. section) <517°-7956°>			C 17 State 1H AWB	
7956.00	14065.00	BHI NaviTrak (Standard)		03. BHGE/MWD (IFR1,MS) (8.75"curve/ 6" lat) <8144°-14065°>			C 17 State 1H AWB	
14065.00	14129.00	Blind Drilling (std)		Projection to bit			C 17 State 1H AWB	

Actual Wellpath Report

C 17 State 1H (IFR1,MS corrected) AS-DRILLED <137.50'-14065'> Proj: 14129' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 1H
Area	Eddy County, NM	Well	C 17 State 1H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 1H AWB
Facility	C 17 State Pad		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
517.00	1.580	79.190	516.94	517.00ft MD: First BHGE MWD survey (IFR,MS corrected)
9399.50	84.949	282.134	9030.32	9399.50ft MD: 330' FTP Hardline Crossing
14065.00	90.340	270.130	8921.14	14065.00ft MD: Last BHGE MWD survey (IFR,MS corrected)
14129.00	90.340	270.130	8920.76	14129.00ft MD: Projection to bit

COMMENTS	
Wellpath general comments	
01. TRUEshot MWD (17.5" surf. section) <137.50'- 448.50'> (surveys were adjusted by 12.5ft to reference new rig height (26.5'); original survey range <125'-436'> reference to 14ft rig.	

WPX Energy

Location: Eddy County, NM
Field: Wildcat Eddy Co., NM NAD83
Facility: C 17 State Pad
Slot: C 17 State 1H
Well: C 17 State 1H
Wellbore: C 17 State 1H AWB

True vertical depth is C 17 State 1H, 14129.00 MD, 8520.70R TVD, 857.40R N, 4499.50R W				Grid System: NAD83 / TM New Mexico SP, Extension Zone (2003), US Unit			
True vertical depth is referenced to MWD 373 (50)				North datum: US National datum			
Measured depths are referenced to MWD 373 (50)				North reference: Grid north			
MWD 373 (50) to Mean Sea Level: 3181.5 feet				Scale: True distance			
Mean Sea Level to Ground level (at Slot): C 17 State 1H, 3181.5 feet				Datum: US National datum			
Coordinates are to be referenced to Slot				Datum year: 1983-1984			
				Datum: US National datum			
Location Information							
Facility Name		Grid East (US ft)		Grid North (US ft)		Latitude	
C 17 State 1H		5057.330		4781.180		32° 18' 31" 00"N	
C 17 State 1H		5057.330		4781.180		32° 18' 31" 00"N	
C 17 State 1H		5057.330		4781.180		32° 18' 31" 00"N	
MWD 373 (50) to Ground level (at Slot): C 17 State 1H		3181.5		3181.5		3181.5	
Mean Sea Level to Ground level (at Slot): C 17 State 1H		3181.5		3181.5		3181.5	
MWD 373 (50) to Mean Sea Level		3181.5		3181.5		3181.5	
Bottom Hole Location							
MD (ft)		Local E (ft)		Grid East (US ft)		Latitude	
14129.00		8520.70		857.40		32° 18' 31" 00"N	

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