

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 03 2018

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Actual Wellpath Report

C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD

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30-015-44535

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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 2H
Area	Eddy County, NM	Well	C 17 State 2H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H 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 4:42:16 PM
Convergence at slot	0.07° East	Database/Source file	WellArchitectDB/C_17_State_2H_AS-DRILLED_196.50_-13809_Proj_13875_MD.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.10	50.30	580923.60	476120.00	32°18'31.903"N	104°12'18.720"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 2H)	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 (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	299.700	0.00	0.00	0.00	0.00	580923.60	476120.00	32°18'31.903"N	104°12'18.720"W	0.00	0.00	0.00	
26.50	0.000	299.700	26.50	0.00	0.00	0.00	580923.60	476120.00	32°18'31.903"N	104°12'18.720"W	0.00	0.00	0.00	
196.50	0.600	299.700	196.50	0.77	0.44	-0.77	580922.83	476120.44	32°18'31.907"N	104°12'18.729"W	0.35	0.35	-35.47	
314.50	1.200	312.500	314.48	2.22	1.58	-2.22	580921.38	476121.58	32°18'31.918"N	104°12'18.746"W	0.53	0.51	10.85	
454.50	0.700	309.700	454.46	3.95	3.12	-3.96	580919.64	476123.12	32°18'31.933"N	104°12'18.766"W	0.36	-0.36	-2.00	
514.00	0.870	354.580	513.96	4.27	3.80	-4.28	580919.32	476123.80	32°18'31.940"N	104°12'18.770"W	1.04	0.29	75.43	514.00ft MD: First BHGE MWD survey
605.00	2.130	41.530	604.93	3.21	5.75	-3.23	580920.37	476125.75	32°18'31.960"N	104°12'18.757"W	1.83	1.38	51.59	
696.00	3.910	56.800	695.80	-0.52	8.72	0.49	580924.09	476128.72	32°18'31.989"N	104°12'18.714"W	2.13	1.96	16.78	
786.00	5.610	63.980	785.49	-7.05	12.33	7.01	580930.61	476132.33	32°18'32.024"N	104°12'18.638"W	2.00	1.89	7.98	
877.00	6.900	65.280	875.94	-16.03	16.57	15.98	580939.57	476136.57	32°18'32.066"N	104°12'18.534"W	1.43	1.42	1.43	
968.00	7.050	60.820	966.27	-25.88	21.58	25.82	580949.41	476141.57	32°18'32.116"N	104°12'18.419"W	0.62	0.16	-4.90	
1059.00	5.980	57.880	1056.68	-34.79	26.82	34.71	580958.30	476146.82	32°18'32.168"N	104°12'18.315"W	1.23	-1.18	-3.23	
1150.00	7.080	62.730	1147.09	-43.81	31.91	43.71	580967.30	476151.91	32°18'32.218"N	104°12'18.210"W	1.35	1.21	5.33	
1241.00	9.280	73.060	1237.16	-55.83	36.62	55.71	580979.31	476156.61	32°18'32.264"N	104°12'18.070"W	2.90	2.42	11.35	
1332.00	10.210	82.440	1328.85	-70.85	39.82	70.73	580994.32	476159.81	32°18'32.296"N	104°12'17.895"W	2.02	1.02	10.31	
1426.00	9.110	85.270	1419.52	-86.53	41.53	86.40	581010.00	476161.52	32°18'32.312"N	104°12'17.713"W	1.27	-1.17	3.01	
1521.00	9.480	79.380	1513.28	-101.73	43.59	101.59	581025.18	476163.58	32°18'32.333"N	104°12'17.536"W	1.07	0.39	-6.20	
1615.00	11.330	73.320	1605.73	-118.19	47.67	118.04	581041.63	476167.66	32°18'32.373"N	104°12'17.344"W	2.28	1.97	-6.45	
1710.00	12.130	65.190	1698.75	-136.22	54.53	136.05	581059.63	476174.53	32°18'32.441"N	104°12'17.134"W	1.93	0.84	-8.56	
1805.00	11.770	55.900	1791.70	-153.33	64.15	153.13	581076.72	476184.15	32°18'32.536"N	104°12'16.935"W	2.08	-0.38	-9.78	
1899.00	10.310	54.220	1883.96	-168.13	74.45	167.89	581091.48	476194.44	32°18'32.637"N	104°12'16.763"W	1.59	-1.55	-1.79	
1989.00	8.720	53.820	1972.72	-180.20	83.18	179.94	581103.52	476203.18	32°18'32.724"N	104°12'16.622"W	1.77	-1.77	-0.44	
2101.00	7.440	53.690	2083.60	-192.92	92.49	192.63	581116.21	476212.48	32°18'32.815"N	104°12'16.474"W	1.14	-1.14	-0.12	
2196.00	10.000	56.670	2177.50	-204.80	100.67	204.48	581128.06	476220.66	32°18'32.896"N	104°12'16.336"W	2.74	2.69	3.14	
2385.00	10.170	56.020	2363.58	-232.40	119.01	232.03	581155.81	476239.00	32°18'33.077"N	104°12'16.015"W	0.11	0.08	-0.34	
2574.00	8.790	56.460	2549.99	-258.33	136.31	257.90	581181.48	476256.30	32°18'33.248"N	104°12'15.713"W	0.73	-0.73	0.23	
2764.00	9.400	58.230	2737.60	-283.67	152.50	283.19	581206.77	476272.49	32°18'33.408"N	104°12'15.418"W	0.35	0.32	0.93	
2953.00	10.060	59.010	2923.88	-311.00	169.13	310.47	581234.04	476289.12	32°18'33.572"N	104°12'15.100"W	0.36	0.35	0.41	
3142.00	9.380	58.520	3110.17	-338.34	185.67	337.75	581261.32	476305.66	32°18'33.736"N	104°12'14.782"W	0.36	-0.36	-0.26	
3331.00	10.500	55.470	3298.33	-365.71	203.48	365.08	581288.64	476323.46	32°18'33.912"N	104°12'14.463"W	0.65	0.59	-1.61	

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Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H 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
3520.00	11.720	64.730	3481.80	-397.32	221.44	396.63	581320.19	476341.42	32°18'34.089°N	104°12'14.095°W	1.14	0.65	4.90	
3709.00	11.030	54.720	3667.10	-429.50	240.08	428.75	581352.31	476360.05	32°18'34.273°N	104°12'13.721°W	1.10	-0.37	-5.30	
3898.00	9.650	53.240	3853.03	-457.02	260.00	456.20	581379.76	476379.98	32°18'34.470°N	104°12'13.401°W	0.74	-0.73	-0.78	
4088.00	9.830	55.300	4040.29	-483.17	278.76	482.29	581405.85	476398.74	32°18'34.655°N	104°12'13.097°W	0.21	0.09	1.08	
4277.00	10.880	60.060	4226.21	-511.95	296.85	511.02	581434.57	476416.82	32°18'34.834°N	104°12'12.762°W	0.72	0.56	2.52	
4466.00	11.790	60.620	4411.53	-544.29	315.23	543.30	581466.85	476435.20	32°18'35.015°N	104°12'12.385°W	0.48	0.48	0.30	
4655.00	8.820	62.240	4597.46	-573.99	331.45	572.95	581496.50	476451.42	32°18'35.175°N	104°12'12.039°W	1.58	-1.57	0.86	
4844.00	10.460	61.330	4783.78	-601.91	346.43	600.83	581524.37	476466.40	32°18'35.323°N	104°12'11.714°W	0.87	0.87	-0.48	
5032.00	8.630	61.760	4969.17	-629.36	361.30	628.23	581551.77	476481.26	32°18'35.470°N	104°12'11.395°W	0.97	-0.97	0.23	
5221.00	10.110	61.350	5155.64	-656.46	375.96	655.28	581578.82	476495.92	32°18'35.615°N	104°12'11.080°W	0.78	0.78	-0.22	
5410.00	9.490	56.800	5341.89	-684.11	392.44	682.88	581606.42	476512.41	32°18'35.778°N	104°12'10.758°W	0.52	-0.33	-2.41	
5598.00	6.260	52.280	5528.09	-705.24	407.21	703.96	581627.50	476527.17	32°18'35.923°N	104°12'10.512°W	1.75	-1.72	-2.40	
5787.00	3.670	27.430	5716.39	-716.21	418.88	714.90	581638.43	476538.84	32°18'36.039°N	104°12'10.384°W	1.75	-1.37	-13.15	
5976.00	1.680	27.150	5905.17	-720.29	426.72	718.95	581642.49	476546.68	32°18'36.116°N	104°12'10.337°W	1.05	-1.05	-0.15	
6165.00	1.060	45.190	6094.12	-722.80	430.41	721.46	581644.99	476550.37	32°18'36.153°N	104°12'10.308°W	0.40	-0.33	9.54	
6354.00	0.960	350.790	6283.09	-723.80	433.21	722.44	581645.98	476553.17	32°18'36.181°N	104°12'10.296°W	0.49	-0.05	-28.78	
6543.00	1.110	306.630	6472.06	-722.09	435.86	720.72	581644.25	476555.82	32°18'36.207°N	104°12'10.316°W	0.42	0.08	-23.37	
6732.00	1.080	182.990	6661.05	-720.52	435.18	719.16	581642.69	476555.14	32°18'36.200°N	104°12'10.334°W	1.02	-0.02	-65.42	
6921.00	0.790	264.770	6850.03	-719.12	433.28	717.77	581641.30	476553.24	32°18'36.181°N	104°12'10.351°W	0.66	-0.15	43.27	
7110.00	0.680	317.960	7039.02	-717.08	433.99	715.72	581639.25	476553.95	32°18'36.188°N	104°12'10.375°W	0.35	-0.06	28.14	
7299.00	1.090	311.730	7227.99	-714.99	436.02	713.63	581637.16	476555.98	32°18'36.208°N	104°12'10.399°W	0.22	0.22	-3.30	
7488.00	0.110	309.010	7416.98	-713.51	437.33	712.14	581635.68	476557.29	32°18'36.221°N	104°12'10.416°W	0.52	-0.52	-1.44	
7677.00	0.550	282.840	7605.98	-712.49	437.65	711.12	581634.65	476557.61	32°18'36.225°N	104°12'10.428°W	0.24	0.23	-13.85	
7865.00	2.070	291.410	7793.92	-708.45	439.09	707.08	581630.61	476559.05	32°18'36.239°N	104°12'10.475°W	0.81	0.81	4.56	
8055.00	0.830	214.380	7983.87	-704.48	439.21	703.10	581626.64	476559.17	32°18'36.240°N	104°12'10.521°W	1.08	-0.65	-40.54	
8149.00	1.160	223.260	8077.86	-703.44	437.95	702.07	581625.60	476557.91	32°18'36.228°N	104°12'10.534°W	0.39	0.35	9.45	
8234.00	1.550	214.550	8162.83	-702.19	436.38	700.83	581624.36	476556.34	32°18'36.212°N	104°12'10.548°W	0.52	0.46	-10.25	
8328.00	8.560	268.030	8256.43	-694.47	435.09	693.10	581616.64	476555.05	32°18'36.199°N	104°12'10.638°W	8.23	7.46	56.89	
8423.00	19.620	269.450	8348.43	-671.38	434.69	670.02	581593.55	476554.65	32°18'36.196°N	104°12'10.907°W	11.65	11.64	1.49	
8517.00	26.570	268.830	8434.85	-634.53	434.11	633.17	581556.71	476554.07	32°18'36.191°N	104°12'11.336°W	7.40	7.39	-0.66	

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8612.00	33.280	267.430	8517.14	-587.19	432.51	585.84	581509.38	476552.47	32°18'36.175"N	104°12'11.888"W	7.10	7.06	-1.47	
8706.00	43.710	266.390	8590.60	-528.84	429.30	527.50	581451.05	476549.26	32°18'36.144"N	104°12'12.568"W	11.12	11.10	-1.11	
8801.00	48.760	268.150	8656.30	-460.33	426.07	458.99	581382.55	476546.03	32°18'36.113"N	104°12'13.366"W	5.48	5.32	1.85	
8895.00	53.810	272.200	8715.09	-387.04	426.39	385.70	581309.26	476546.35	32°18'36.117"N	104°12'14.220"W	6.34	5.37	4.31	
8989.00	61.490	273.640	8765.35	-307.81	430.47	306.46	581230.03	476550.43	32°18'36.158"N	104°12'15.143"W	8.27	8.17	1.53	
9084.00	72.130	272.850	8802.70	-220.76	435.39	219.40	581142.98	476555.35	32°18'36.208"N	104°12'16.158"W	11.23	11.20	-0.83	
9131.00	79.010	273.020	8814.41	-175.34	437.72	173.97	581097.55	476557.68	32°18'36.232"N	104°12'16.687"W	14.64	14.64	0.36	
9135.52†	79.773	273.024	8815.24	-170.91	437.95	169.53	581093.11	476557.91	32°18'36.234"N	104°12'16.739"W	16.88	16.88	0.09	9135.52ft MD: 330' FTP Hardline Crossing
9165.00	84.750	273.050	8819.21	-141.75	439.50	140.37	581063.96	476559.46	32°18'36.250"N	104°12'17.078"W	16.88	16.88	0.09	
9213.00	91.080	272.020	8820.98	-93.88	441.82	92.47	581016.08	476561.58	32°18'36.271"N	104°12'17.636"W	13.36	13.19	-2.15	
9393.00	89.440	269.260	8820.14	86.10	443.63	-87.49	580836.12	476563.59	32°18'36.293"N	104°12'19.733"W	1.78	-0.91	-1.53	
9482.00	92.840	269.360	8818.37	175.06	442.56	-176.45	580747.16	476562.52	32°18'36.284"N	104°12'20.770"W	3.82	3.82	0.11	
9572.00	92.340	269.790	8814.30	264.97	441.89	-266.36	580657.27	476561.85	32°18'36.278"N	104°12'21.817"W	0.73	-0.56	0.48	
9662.00	90.490	269.450	8812.08	354.94	441.29	-356.33	580567.31	476561.25	32°18'36.273"N	104°12'22.866"W	2.09	-2.06	-0.38	
9751.00	90.830	266.550	8811.05	443.88	438.19	-445.28	580478.39	476558.15	32°18'36.244"N	104°12'23.902"W	3.28	0.38	-3.26	
9841.00	91.360	265.400	8809.33	533.66	431.87	-535.02	580388.63	476551.83	32°18'36.182"N	104°12'24.948"W	1.41	0.59	-1.28	
9930.00	90.370	264.850	8807.99	622.35	424.31	-623.68	580299.98	476544.27	32°18'36.108"N	104°12'25.981"W	1.27	-1.11	-0.62	
10020.00	90.000	263.580	8807.70	711.91	415.24	-713.22	580210.44	476535.20	32°18'36.020"N	104°12'27.024"W	1.47	-0.41	-1.41	
10110.00	93.820	263.920	8804.70	801.34	405.45	-802.62	580121.05	476525.41	32°18'35.924"N	104°12'28.066"W	4.26	4.24	0.38	
10199.00	91.690	263.100	8800.42	889.69	395.40	-890.94	580032.74	476515.36	32°18'35.825"N	104°12'29.095"W	2.58	-2.39	-0.92	
10289.00	95.180	265.260	8795.03	979.08	386.29	-980.30	579943.39	476506.25	32°18'35.736"N	104°12'30.137"W	4.56	3.88	2.40	
10379.00	94.650	265.150	8787.32	1068.46	378.79	-1069.65	579854.05	476498.76	32°18'35.663"N	104°12'31.178"W	0.60	-0.59	-0.12	
10468.00	91.050	265.940	8782.89	1157.08	371.89	-1158.26	579765.45	476491.85	32°18'35.596"N	104°12'32.210"W	4.14	-4.04	0.89	
10558.00	92.400	268.880	8780.19	1246.95	367.82	-1248.11	579675.60	476487.79	32°18'35.557"N	104°12'33.257"W	3.59	1.50	3.27	
10647.00	91.970	269.490	8776.79	1335.88	366.58	-1337.04	579586.68	476486.52	32°18'35.545"N	104°12'34.293"W	0.84	-0.48	0.69	
10737.00	90.000	270.940	8775.24	1425.86	366.90	-1427.02	579496.71	476486.86	32°18'35.550"N	104°12'35.342"W	2.72	-2.19	1.61	
10826.00	91.510	271.590	8774.07	1514.82	368.86	-1515.99	579407.75	476488.83	32°18'35.570"N	104°12'36.378"W	1.85	1.70	0.73	
10914.00	93.110	272.170	8770.53	1602.69	371.75	-1603.86	579319.88	476491.71	32°18'35.600"N	104°12'37.402"W	1.93	1.82	0.66	
11003.00	92.960	271.960	8765.81	1691.49	374.95	-1692.68	579231.07	476494.91	32°18'35.632"N	104°12'38.437"W	0.29	-0.17	-0.24	
11093.00	91.330	272.260	8762.44	1781.38	378.28	-1782.55	579141.21	476498.22	32°18'35.686"N	104°12'39.484"W	1.84	-1.81	0.33	

Actual Wellpath Report

C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD

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REFERENCE WELLPATH IDENTIFICATION

Operator	WPX Energy	Slot	C 17 State 2H
Area	Eddy County, NM	Well	C 17 State 2H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H 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
11182.00	91.570	272.020	8760.19	1870.26	381.58	-1871.46	579052.31	476501.55	32°18'35.700"N	104°12'40.520"W	0.38	0.27	-0.27	
11272.00	89.850	270.440	8759.08	1960.21	383.51	-1961.43	578962.35	476503.48	32°18'35.720"N	104°12'41.568"W	2.59	-1.91	-1.76	
11361.00	86.040	267.360	8762.27	2049.12	381.81	-2050.33	578873.46	476501.77	32°18'35.704"N	104°12'42.604"W	5.50	-4.28	-3.46	
11451.00	87.890	266.300	8767.03	2138.87	376.84	-2140.06	578783.74	476496.80	32°18'35.656"N	104°12'43.650"W	2.37	2.06	-1.18	
11540.00	92.840	266.860	8768.47	2227.69	371.53	-2228.87	578694.93	476491.50	32°18'35.604"N	104°12'44.885"W	5.60	5.56	0.63	
11629.00	92.160	265.600	8762.58	2316.43	365.68	-2317.59	578606.22	476485.65	32°18'35.548"N	104°12'45.719"W	1.61	-0.76	-1.42	
11718.00	92.250	265.420	8759.16	2405.11	358.72	-2406.25	578517.57	476478.69	32°18'35.480"N	104°12'46.752"W	0.23	0.10	-0.20	
11807.00	91.110	265.770	8756.55	2493.83	351.89	-2494.95	578428.88	476471.86	32°18'35.413"N	104°12'47.785"W	1.34	-1.28	0.39	
11897.00	89.690	264.950	8755.92	2583.55	344.61	-2584.65	578339.19	476464.58	32°18'35.342"N	104°12'48.830"W	1.82	-1.58	-0.91	
11986.00	90.120	265.010	8756.07	2672.24	336.82	-2673.31	578250.54	476456.79	32°18'35.266"N	104°12'49.864"W	0.49	0.48	0.07	
12075.00	88.240	263.840	8757.34	2760.83	328.18	-2761.87	578161.98	476448.15	32°18'35.181"N	104°12'50.896"W	2.49	-2.11	-1.31	
12165.00	90.090	263.490	8758.66	2850.30	318.25	-2851.31	578072.55	476438.22	32°18'35.084"N	104°12'51.938"W	2.09	2.06	-0.39	
12252.00	92.280	265.470	8756.86	2936.89	309.88	-2937.88	577985.99	476429.85	32°18'35.002"N	104°12'52.947"W	3.39	2.52	2.28	
12342.00	92.740	267.810	8752.91	3026.66	304.61	-3027.63	577896.25	476424.58	32°18'34.951"N	104°12'53.992"W	2.65	0.51	2.60	
12431.00	93.020	270.720	8748.44	3115.53	303.47	-3116.50	577807.38	476423.44	32°18'34.941"N	104°12'55.028"W	3.28	0.31	3.27	
12521.00	93.080	270.810	8743.65	3205.39	304.67	-3206.37	577717.53	476424.64	32°18'34.954"N	104°12'56.075"W	0.12	0.07	0.10	
12609.00	92.680	270.740	8739.23	3293.27	305.86	-3294.25	577629.65	476425.83	32°18'34.966"N	104°12'57.099"W	0.46	-0.45	-0.08	
12699.00	91.050	270.170	8736.30	3383.21	306.57	-3384.19	577539.72	476426.55	32°18'34.974"N	104°12'58.147"W	1.92	-1.81	-0.63	
12789.00	90.370	270.200	8735.19	3473.20	306.86	-3474.18	577449.73	476426.84	32°18'34.978"N	104°12'59.195"W	0.76	-0.76	0.03	
12878.00	92.800	270.720	8732.73	3562.16	307.58	-3563.14	577360.78	476427.55	32°18'34.986"N	104°13'00.232"W	2.79	2.73	0.58	
12968.00	93.820	271.850	8727.53	3651.97	309.59	-3652.97	577270.97	476429.56	32°18'35.007"N	104°13'01.279"W	1.69	1.13	1.26	
13057.00	94.530	272.720	8721.05	3740.65	313.13	-3741.66	577182.28	476433.10	32°18'35.043"N	104°13'02.312"W	1.26	0.80	0.98	
13146.00	92.680	272.320	8715.45	3829.38	317.04	-3830.39	577093.56	476437.01	32°18'35.083"N	104°13'03.346"W	2.13	-2.08	-0.45	
13236.00	91.320	271.930	8712.31	3919.25	320.37	-3920.27	577003.69	476440.34	32°18'35.117"N	104°13'04.393"W	1.57	-1.51	-0.43	
13326.00	90.880	271.930	8710.59	4009.17	323.40	-4010.20	576913.76	476443.37	32°18'35.148"N	104°13'05.441"W	0.49	-0.48	0.00	
13415.00	93.420	273.570	8707.25	4097.98	327.67	-4099.03	576824.94	476447.64	32°18'35.191"N	104°13'06.476"W	3.40	2.85	1.84	
13505.00	89.660	272.270	8704.83	4187.80	332.25	-4188.86	576735.12	476452.22	32°18'35.237"N	104°13'07.522"W	4.42	-4.18	-1.44	
13594.00	89.380	272.490	8705.57	4276.71	335.94	-4277.78	576646.21	476455.91	32°18'35.275"N	104°13'08.558"W	0.40	-0.31	0.25	
13684.00	88.890	272.100	8706.93	4366.61	339.55	-4367.70	576556.30	476459.52	32°18'35.311"N	104°13'09.606"W	0.70	-0.54	-0.43	
13761.74†	88.838	272.276	8708.47	4444.27	342.51	-4445.37	576478.64	476462.48	32°18'35.341"N	104°13'10.511"W	0.23	-0.07	0.22	13761.74ft MD: 330' LTP Hardline Crossing

Actual Wellpath Report

C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 2H
Area	Eddy County, NM	Well	C 17 State 2H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H 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
13773.00	88.830	272.300	8708.70	4455.52	342.96	-4456.62	576467.39	476462.93	32°18'35.346"N	104°13'10.642"W	0.23	-0.07	0.22	
13809.00	88.680	272.280	8709.49	4491.47	344.40	-4492.58	576431.43	476464.37	32°18'35.361"N	104°13'11.061"W	0.42	-0.42	-0.06	13809.00ft MD: Last BHGE MWD survey
13875.00	88.680	272.280	8711.01	4557.40	347.03	-4558.51	576365.51	476466.99	32°18'35.387"N	104°13'11.829"W	0.00	0.00	0.00	13875.00ft MD: Projection to bit

HOLE & CASING SECTIONS - Ref Wellbore: C 17 State 2H AWB Ref Wellpath: C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' 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	467.50	441.00	26.50	467.46	0.00	0.00	3.23	-4.07
13.375in Casing Surface	26.50	451.50	425.00	26.50	451.46	0.00	0.00	3.09	-3.93
12.25in Open Hole	467.50	2101.00	1633.50	467.46	2083.60	3.23	-4.07	92.49	192.63
9.625in Casing Intermediate	26.50	2036.00	2009.50	26.50	2019.21	0.00	0.00	87.26	185.51

TARGETS								
Name	TVD (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Shape
C 17 State 2H FTP rev 4, 2-27-18	8788.00	420.00	169.32	581092.90	476539.96	32°18'36.056"N	104°12'16.741"W	point
C 17 State 2H PBHL rev 4, 2-27-18	8788.00	337.71	-4545.91	576378.10	476457.68	32°18'35.295"N	104°13'11.682"W	point

Actual Wellpath Report

C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 2H
Area	Eddy County, NM	Well	C 17 State 2H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H AWB
Facility	C 17 State Pad		

WELLPATH COMPOSITION - Ref Wellbore: C 17 State 2H AWB Ref Wellpath: C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.50	454.50	ISCWSA MWD, Rev. 4 (Standard)	01. TRUEshot MWD 17-1/2" <196.50'-454.50'>	C 17 State 2H AWB
454.50	8234.00	BHI NaviTrak (Axial Corr, Short spacing)	02. BHGE/MWD (12.25"/8.75" intermediate section) <514'-8234'>	C 17 State 2H AWB
8234.00	9165.00	BHI NaviTrak (Short spacing)	03. BHGE/MWD 8.75" curve <8328'-9165'>	C 17 State 2H AWB
9165.00	13809.00	BHI NaviTrak (X Short spacing)	04. BHGE/MWD 6.125" lateral <8328'-13809'>	C 17 State 2H AWB
13809.00	13875.00	Blind Drilling (std)	Projection to bit	C 17 State 2H AWB

Actual Wellpath Report

C 17 State 2H AS-DRILLED <196.50'-13809'> Proj: 13875' MD
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REFERENCE WELLPATH IDENTIFICATION			
Operator	WPX Energy	Slot	C 17 State 2H
Area	Eddy County, NM	Well	C 17 State 2H
Field	Wildcat Eddy Co., NM NAD83	Wellbore	C 17 State 2H AWB
Facility	C 17 State Pad		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
514.00	0.870	354.580	513.96	514.00ft MD: First BHGE MWD survey
9135.52	79.773	273.024	8815.24	9135.52ft MD: 330' FTP Hardline Crossing
13761.74	88.838	272.275	8708.47	13761.74ft MD: 330' LTP Hardline Crossing
13809.00	88.680	272.280	8709.49	13809.00ft MD: Last BHGE MWD survey
13875.00	88.680	272.280	8711.01	13875.00ft MD: Projection to bit

WPX Energy

Location: Eddy County, NM Slot: C 17 State 2H
Field: Wildcat Eddy Co., NM NAD83 Well: C 17 State 2H
Facility: C 17 State Pad Wellbore: C 17 State 2H AWB

Plot reference wellbore is C 17 State 2H AWB (NAD83) (100 000 1000000) (100 000 1000000) (100 000 1000000)				Grid System: NAD83 / 100 Meter UTM Zone 18N / 1000000, 1000000, 1000000			
True vertical depth is referenced to MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				North Subzone: 18N			
Horizontal depth is referenced to MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				North True distance			
MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				Depth in feet			
MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				Created by: jayson on 2013-04-09			
Coordinates are in feet referenced to MSL				Drawn: WmHickman08			
Location Information							
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude			
C 17 State Pad	50073 300	478120 000	32° 12' 11.8037N	104° 12' 18.220W			
Well	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
C 17 State 2H	0 10	50 30	50073 300	478120 000	32° 12' 11.8037N	104° 12' 18.220W	
MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				26 ft			
MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				-1338			
MSL (100 000 1000000) (100 000 1000000) (100 000 1000000)				3181.58			
Bottom Hole Location							
MD (ft)	INC (°)	AT (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
13875.00	88.68	272.280	8711.01	347.03	-458.51	50425.31	478488.88
MD (ft)	INC (°)	AT (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
13875.00	88.68	272.280	8711.01	347.03	-458.51	50425.31	478488.88

