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DISTRICT II-ARTESIA O.C.D.

WPX Energy

Eddy County, New Mexico (NAD 83)

Boxer 32-22-27 Fee Pad

Boxer 32-22-27 Fee 401H

Wellbore #1

Design: Actual

WPX Final Survey Report

31 December, 2018

Scientific Drilling, Intl

WPX Final Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well Boxer 32-22-27 Fee 401H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Site:	Boxer 32-22-27 Fee Pad	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Well:	Boxer 32-22-27 Fee 401H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Project	Eddy County, New Mexico (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Boxer 32-22-27 Fee Pad				
Site Position:		Northing:	489,767.60 usft	Latitude:	32.346377
From:	Map	Easting:	580,952.60 usft	Longitude:	-104.205053
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.07 °

Well	Boxer 32-22-27 Fee 401H					
Well Position	+N/-S	0.00 usft	Northing:	489,767.60 usft	Latitude:	32.346377
	+E/-W	0.00 usft	Easting:	580,952.60 usft	Longitude:	-104.205053
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft	Ground Level:	3,153.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	11/27/2018	7.28	60.07	47,947

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)	
	0.00	0.00	0.00	269.91	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey Program		Date	12/31/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
141.00	981.00	SDI MWD - Surface (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	
1,073.00	8,302.00	SDI MWD - Intermediate (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	
8,356.00	9,208.00	SDI MWD - Curve (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	
9,311.00	13,747.00	SDI MWD - Lateral (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (bearing)	Northing (usft)	Easting (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	489,767.60	580,952.60	
141.00	0.51	141.93	141.00	-0.49	0.39	-0.39	0.63	141.93	489,767.11	580,952.99	
233.00	1.17	114.60	232.99	-1.21	1.49	-1.49	1.92	128.95	489,766.39	580,954.09	
291.00	1.38	137.28	290.97	-1.97	2.51	-2.50	3.19	128.13	489,765.63	580,955.11	
488.00	2.33	131.20	487.87	-6.35	7.13	-7.12	9.54	131.68	489,761.25	580,959.73	
518.00	2.27	129.07	517.84	-7.12	8.05	-8.04	10.75	131.51	489,760.48	580,960.65	
611.00	2.38	128.19	610.77	-9.48	11.00	-10.98	14.52	130.76	489,758.12	580,963.60	
703.00	2.42	119.75	702.69	-11.62	14.18	-14.17	18.34	129.33	489,755.98	580,966.78	
796.00	2.54	114.32	795.60	-13.45	17.77	-17.75	22.28	127.12	489,754.15	580,970.37	
888.00	2.26	123.12	887.52	-15.28	21.14	-21.12	26.08	125.85	489,752.32	580,973.74	
981.00	1.08	106.56	980.48	-16.53	23.52	-23.49	28.75	125.10	489,751.07	580,976.12	
1,073.00	1.18	28.36	1,072.47	-15.94	24.80	-24.78	29.48	122.73	489,751.66	580,977.40	
1,166.00	1.86	6.18	1,165.43	-13.60	25.42	-25.40	28.83	118.15	489,754.00	580,978.02	
1,261.00	2.54	11.56	1,260.36	-10.00	26.01	-25.99	27.86	111.04	489,757.60	580,978.61	
1,355.00	1.25	0.69	1,354.31	-6.94	26.44	-26.42	27.33	104.71	489,760.66	580,979.04	
1,450.00	1.08	288.31	1,449.30	-5.62	25.60	-25.59	26.21	102.38	489,761.98	580,978.20	
1,545.00	1.35	270.14	1,544.27	-5.34	23.63	-23.62	24.22	102.73	489,762.26	580,976.23	
1,640.00	0.71	267.25	1,639.26	-5.36	21.92	-21.91	22.57	103.74	489,762.24	580,974.52	
1,735.00	0.33	229.06	1,734.25	-5.57	21.13	-21.12	21.85	104.77	489,762.03	580,973.73	
1,830.00	0.64	274.62	1,829.25	-5.71	20.39	-20.38	21.17	105.63	489,761.89	580,972.99	

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Site:	Boxer 32-22-27 Fee Pad	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Well:	Boxer 32-22-27 Fee 401H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (bearing)	Northing (usft)	Easting (usft)	
1,924.00	0.74	51.43	1,923.25	-5.29	20.34	-20.33	21.02	104.56	489,762.31	580,972.94	
2,019.00	1.92	43.20	2,018.22	-3.74	21.91	-21.91	22.23	99.69	489,763.86	580,974.51	
2,045.00	2.35	42.55	2,044.20	-3.03	22.57	-22.57	22.77	97.65	489,764.57	580,975.17	
2,199.00	2.35	45.48	2,198.07	1.51	26.96	-26.96	27.00	86.80	489,769.11	580,979.56	
2,294.00	2.78	42.94	2,292.98	4.56	29.91	-29.92	30.26	81.33	489,772.16	580,982.51	
2,389.00	4.51	35.40	2,387.78	9.29	33.65	-33.66	34.91	74.56	489,776.89	580,986.25	
2,483.00	4.92	35.17	2,481.46	15.60	38.11	-38.14	41.18	67.74	489,783.20	580,990.71	
2,578.00	6.25	35.64	2,576.01	23.13	43.47	-43.51	49.24	61.98	489,790.73	580,996.07	
2,673.00	7.39	33.35	2,670.34	32.44	49.84	-49.89	59.47	56.94	489,800.04	581,002.44	
2,767.00	7.12	31.24	2,763.59	42.47	56.19	-56.25	70.43	52.92	489,810.07	581,008.79	
2,862.00	6.51	30.21	2,857.91	52.16	61.95	-62.03	80.98	49.91	489,819.76	581,014.55	
2,957.00	6.93	32.77	2,952.26	61.63	67.76	-67.86	91.60	47.71	489,829.23	581,020.36	
3,051.00	7.92	36.35	3,045.47	71.61	74.67	-74.78	103.46	46.20	489,839.21	581,027.27	
3,146.00	7.28	35.07	3,139.64	81.81	82.01	-82.14	115.84	45.07	489,849.41	581,034.61	
3,241.00	6.59	33.09	3,233.94	91.31	88.44	-88.59	127.12	44.09	489,858.91	581,041.04	
3,336.00	7.16	36.05	3,328.26	100.66	94.90	-95.06	138.34	43.31	489,868.26	581,047.50	
3,430.00	8.14	40.01	3,421.42	110.49	102.63	-102.80	150.80	42.89	489,878.09	581,055.23	
3,525.00	8.13	37.68	3,515.47	120.96	111.06	-111.25	164.21	42.56	489,888.56	581,063.66	
3,620.00	8.78	31.19	3,609.43	132.48	118.92	-119.13	178.03	41.91	489,900.08	581,071.52	
3,714.00	8.73	38.64	3,702.34	144.19	127.09	-127.32	192.21	41.39	489,911.79	581,079.69	
3,809.00	8.66	44.04	3,796.25	154.96	136.57	-136.81	206.55	41.39	489,922.56	581,089.17	
3,904.00	7.45	43.43	3,890.31	164.58	145.77	-146.03	219.85	41.53	489,932.18	581,098.37	
3,999.00	6.71	43.33	3,984.59	173.09	153.81	-154.09	231.56	41.63	489,940.69	581,106.41	
4,093.00	6.29	44.35	4,077.98	180.76	161.18	-161.47	242.19	41.72	489,948.36	581,113.78	
4,188.00	5.81	42.77	4,172.45	188.02	168.09	-168.38	252.20	41.80	489,955.62	581,120.69	
4,283.00	5.54	41.49	4,266.99	194.98	174.39	-174.69	261.59	41.81	489,962.58	581,126.99	
4,378.00	6.12	40.21	4,361.50	202.28	180.70	-181.01	271.24	41.77	489,969.88	581,133.30	

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Well:	Boxer 32-22-27 Fee 401H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (bearing)	Northing (usft)	Easting (usft)	
4,473.00	5.95	39.72	4,455.97	209.94	187.11	-187.44	281.22	41.71	489,977.54	581,139.71	
4,567.00	6.09	40.20	4,549.45	217.49	193.44	-193.78	291.07	41.65	489,985.09	581,146.04	
4,662.00	6.61	43.69	4,643.87	225.30	200.47	-200.83	301.58	41.66	489,992.90	581,153.07	
4,757.00	6.62	43.61	4,738.24	233.21	208.03	-208.39	312.51	41.73	490,000.81	581,160.63	
4,852.00	7.04	45.22	4,832.56	241.28	215.94	-216.32	323.80	41.83	490,008.88	581,168.54	
4,946.00	6.62	43.32	4,925.90	249.28	223.74	-224.13	334.96	41.91	490,016.88	581,176.34	
5,041.00	6.64	43.24	5,020.26	257.27	231.26	-231.67	345.93	41.95	490,024.87	581,183.86	
5,136.00	6.16	41.29	5,114.67	265.10	238.39	-238.80	356.52	41.96	490,032.70	581,190.99	
5,231.00	6.04	41.92	5,209.13	272.64	245.09	-245.52	366.61	41.95	490,040.24	581,197.69	
5,325.00	7.26	43.82	5,302.50	280.61	252.51	-252.95	377.49	41.98	490,048.21	581,205.11	
5,420.00	7.09	46.41	5,396.75	288.98	260.91	-261.36	389.34	42.08	490,056.58	581,213.51	
5,515.00	6.22	45.88	5,491.11	296.61	268.85	-269.32	400.32	42.19	490,064.21	581,221.45	
5,609.00	4.88	46.31	5,584.67	302.92	275.40	-275.87	409.39	42.28	490,070.52	581,228.00	
5,704.00	3.96	44.30	5,679.39	308.06	280.61	-281.10	416.70	42.33	490,075.66	581,233.21	
5,798.00	4.38	31.01	5,773.14	313.45	284.73	-285.22	423.47	42.25	490,081.05	581,237.33	
5,893.00	5.92	23.35	5,867.75	321.06	288.54	-289.04	431.67	41.95	490,088.66	581,241.14	
5,988.00	6.64	30.49	5,962.18	330.29	293.27	-293.79	441.70	41.60	490,097.89	581,245.87	
6,082.00	7.85	40.57	6,055.44	339.85	300.20	-300.73	453.45	41.45	490,107.45	581,252.80	
6,177.00	6.99	45.55	6,149.64	348.83	308.55	-309.09	465.71	41.49	490,116.43	581,261.15	
6,272.00	7.93	49.19	6,243.84	357.16	317.63	-318.19	477.97	41.65	490,124.76	581,270.23	
6,366.00	7.92	48.40	6,336.94	365.70	327.38	-327.96	490.83	41.84	490,133.30	581,279.98	
6,461.00	7.00	47.80	6,431.13	373.93	336.57	-337.15	503.09	41.99	490,141.53	581,289.17	
6,556.00	7.31	47.68	6,525.39	381.89	345.32	-345.92	514.87	42.12	490,149.49	581,297.92	
6,650.00	7.11	49.77	6,618.65	389.67	354.19	-354.80	526.59	42.27	490,157.27	581,306.79	
6,745.00	6.83	47.49	6,712.95	397.29	362.84	-363.46	538.04	42.41	490,164.89	581,315.44	
6,839.00	8.35	47.90	6,806.12	405.64	372.02	-372.66	550.41	42.52	490,173.24	581,324.62	
6,934.00	7.25	44.09	6,900.24	414.57	381.31	-381.96	563.27	42.61	490,182.17	581,333.91	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey											
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7,029.00	5.56	40.05	6,994.65	422.40	388.45	-389.11	573.86	42.60	490,190.00	581,341.05	
7,124.00	5.19	31.21	7,089.23	429.60	393.63	-394.31	582.67	42.50	490,197.20	581,346.23	
7,219.00	6.42	31.50	7,183.74	437.80	398.64	-399.32	592.10	42.32	490,205.40	581,351.24	
7,313.00	4.91	30.39	7,277.28	445.75	403.42	-404.12	601.20	42.15	490,213.35	581,356.02	
7,408.00	4.51	29.68	7,371.96	452.51	407.32	-408.03	608.83	41.99	490,220.11	581,359.92	
7,503.00	4.39	30.12	7,466.67	458.90	411.00	-411.72	616.04	41.85	490,226.50	581,363.60	
7,598.00	4.15	28.41	7,561.41	465.06	414.46	-415.19	622.94	41.71	490,232.66	581,367.06	
7,692.00	3.82	26.38	7,655.18	470.86	417.47	-418.21	629.28	41.56	490,238.46	581,370.07	
7,787.00	3.48	31.69	7,749.99	476.15	420.39	-421.14	635.17	41.44	490,243.75	581,372.99	
7,881.00	5.77	37.19	7,843.68	482.34	424.74	-425.50	642.70	41.37	490,249.94	581,377.34	
7,976.00	4.77	37.94	7,938.27	489.26	430.06	-430.83	651.40	41.32	490,256.86	581,382.66	
8,071.00	4.30	36.24	8,032.98	495.25	434.59	-435.37	658.90	41.27	490,262.85	581,387.19	
8,166.00	2.77	45.27	8,127.79	499.74	438.33	-439.11	664.73	41.25	490,267.34	581,390.93	
8,260.00	2.23	61.41	8,221.70	502.21	441.55	-442.34	668.72	41.32	490,269.81	581,394.15	
8,302.00	1.62	64.73	8,263.68	502.86	442.80	-443.59	670.03	41.37	490,270.46	581,395.40	
8,356.00	1.49	68.34	8,317.66	503.44	444.15	-444.94	671.36	41.42	490,271.04	581,396.75	
8,450.00	7.53	276.77	8,411.43	504.62	439.16	-439.95	668.95	41.03	490,272.22	581,391.76	
8,545.00	20.47	275.12	8,503.41	506.85	416.33	-417.13	655.92	39.40	490,274.45	581,368.93	
8,639.00	26.81	270.83	8,589.48	508.62	378.72	-379.52	634.14	36.67	490,276.22	581,331.32	
8,734.00	33.15	268.36	8,671.73	508.19	331.29	-332.09	606.64	33.10	490,275.79	581,283.89	
8,829.00	39.47	271.04	8,748.25	507.99	275.07	-275.87	577.69	28.44	490,275.59	581,227.67	
8,924.00	47.83	272.53	8,816.93	510.10	209.60	-210.40	551.48	22.34	490,277.70	581,162.20	
8,984.88	54.12	273.11	8,855.25	512.44	162.38	-163.19	537.55	17.58	490,280.04	581,114.98	
Box401H FTP											
9,019.00	57.65	273.40	8,874.38	514.04	134.18	-134.99	531.27	14.63	490,281.64	581,086.78	
9,114.00	67.83	271.90	8,917.84	517.89	49.94	-50.75	520.29	5.51	490,285.49	581,002.54	
9,208.00	76.35	272.99	8,946.72	521.72	-39.34	38.52	523.21	355.69	490,289.32	580,913.26	

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Site:	Boxer 32-22-27 Fee Pad	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (bearing)	Northing (usft)	Easting (usft)	
9,311.00	86.71	273.79	8,961.87	527.75	-140.90	140.07	546.23	345.05	490,295.35	580,811.70	
9,406.00	90.74	273.22	8,963.98	533.55	-235.68	234.84	583.29	336.17	490,301.15	580,716.92	
9,501.00	91.21	271.37	8,962.36	537.36	-330.59	329.74	630.90	328.40	490,304.96	580,622.01	
9,596.00	91.04	270.06	8,960.50	538.54	-425.56	424.71	686.39	321.68	490,306.14	580,527.04	
9,690.00	90.84	269.86	8,958.96	538.48	-519.55	518.70	748.25	316.03	490,306.08	580,433.05	
9,785.00	90.64	269.34	8,957.73	537.81	-614.54	613.69	816.64	311.19	490,305.41	580,338.06	
9,880.00	90.30	268.92	8,956.95	536.37	-709.52	708.68	889.45	307.09	490,303.97	580,243.08	
9,975.00	91.34	269.25	8,955.59	534.85	-804.50	803.66	966.07	303.62	490,302.45	580,148.10	
10,070.00	91.34	268.66	8,953.37	533.12	-899.46	898.62	1,045.58	300.66	490,300.72	580,053.14	
10,164.00	90.54	267.38	8,951.83	529.88	-993.38	992.55	1,125.87	298.08	490,297.48	579,959.22	
10,259.00	90.24	267.12	8,951.18	525.32	-1,088.27	1,087.45	1,208.43	295.77	490,292.92	579,864.33	
10,354.00	93.09	268.11	8,948.42	521.37	-1,183.14	1,182.32	1,292.92	293.78	490,288.97	579,769.46	
10,449.00	92.52	269.75	8,943.77	519.59	-1,278.00	1,277.19	1,379.59	292.13	490,287.19	579,674.60	
10,544.00	92.48	269.20	8,939.63	518.72	-1,372.91	1,372.09	1,467.64	290.70	490,286.32	579,579.69	
10,638.00	91.98	268.98	8,935.97	517.23	-1,466.83	1,466.01	1,555.35	289.42	490,284.83	579,485.77	
10,733.00	91.95	267.92	8,932.71	514.66	-1,561.73	1,560.92	1,644.35	288.24	490,282.26	579,390.87	
10,828.00	92.32	271.19	8,929.17	513.93	-1,656.65	1,655.84	1,734.54	287.23	490,281.53	579,295.95	
10,923.00	91.88	269.61	8,925.69	514.59	-1,751.58	1,750.77	1,825.61	286.37	490,282.19	579,201.02	
11,018.00	91.21	272.08	8,923.13	515.99	-1,846.53	1,845.72	1,917.27	285.61	490,283.59	579,106.07	
11,113.00	90.40	274.00	8,921.79	521.03	-1,941.38	1,940.56	2,010.08	285.02	490,288.63	579,011.22	
11,208.00	90.34	273.53	8,921.18	527.27	-2,036.17	2,035.34	2,103.33	284.52	490,294.87	578,916.43	
11,302.00	88.79	272.69	8,921.90	532.37	-2,130.03	2,129.19	2,195.55	284.03	490,299.97	578,822.57	
11,397.00	89.60	272.80	8,923.23	536.91	-2,224.91	2,224.06	2,288.78	283.57	490,304.51	578,727.69	
11,492.00	91.85	272.70	8,922.03	541.47	-2,319.79	2,318.93	2,382.14	283.14	490,309.07	578,632.81	
11,587.00	91.68	271.88	8,919.10	545.27	-2,414.67	2,413.81	2,475.46	282.72	490,312.87	578,537.93	
11,682.00	90.94	271.97	8,916.93	548.46	-2,509.59	2,508.72	2,568.82	282.33	490,316.06	578,443.01	
11,776.00	90.94	271.25	8,915.39	551.10	-2,603.54	2,602.67	2,661.22	281.95	490,318.70	578,349.06	

Scientific Drilling, Intl
WPX Final Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well Boxer 32-22-27 Fee 401H
Project:	Eddy County, New Mexico (NAD 83)	TVD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Site:	Boxer 32-22-27 Fee Pad	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Well:	Boxer 32-22-27 Fee 401H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Midland District

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (bearing)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Closure Distance (usft)	Closure Azimuth (bearing)	Northing (usft)	Easting (usft)	
11,871.00	89.66	270.96	8,914.89	552.93	-2,698.52	2,697.64	2,754.58	281.58	490,320.53	578,254.08	
11,966.00	89.43	270.29	8,915.64	553.97	-2,793.51	2,792.63	2,847.90	281.22	490,321.57	578,159.09	
12,061.00	92.15	271.17	8,914.34	555.18	-2,888.48	2,887.60	2,941.35	280.88	490,322.78	578,064.12	
12,156.00	89.53	270.16	8,912.94	556.28	-2,983.45	2,982.58	3,034.87	280.56	490,323.88	577,969.15	
12,251.00	88.79	270.40	8,914.34	556.74	-3,078.44	3,077.56	3,128.38	280.25	490,324.34	577,874.16	
12,345.00	88.96	268.29	8,916.18	555.67	-3,172.41	3,171.53	3,220.71	279.93	490,323.27	577,780.19	
12,440.00	89.97	268.29	8,917.07	552.83	-3,267.36	3,266.49	3,313.80	279.60	490,320.43	577,685.24	
12,535.00	90.03	266.31	8,917.07	548.36	-3,362.25	3,361.39	3,406.68	279.26	490,315.96	577,590.35	
12,630.00	88.76	265.74	8,918.07	541.77	-3,457.02	3,456.16	3,499.21	278.91	490,309.37	577,495.58	
12,725.00	90.77	266.78	8,918.46	535.58	-3,551.81	3,550.96	3,591.96	278.58	490,303.18	577,400.79	
12,819.00	93.02	268.42	8,915.35	531.64	-3,645.67	3,644.83	3,684.23	278.30	490,299.24	577,306.93	
12,914.00	92.62	267.76	8,910.68	528.48	-3,740.50	3,739.66	3,777.65	278.04	490,296.08	577,212.10	
13,009.00	93.02	267.65	8,906.00	524.68	-3,835.31	3,834.48	3,871.03	277.79	490,292.28	577,117.29	
13,104.00	93.12	269.71	8,900.92	522.49	-3,930.14	3,929.31	3,964.72	277.57	490,290.09	577,022.46	
13,199.00	92.65	269.10	8,896.13	521.51	-4,025.01	4,024.19	4,058.66	277.38	490,289.11	576,927.59	
13,294.00	92.72	269.56	8,891.68	520.40	-4,119.90	4,119.08	4,152.64	277.20	490,288.00	576,832.70	
13,389.00	92.48	268.48	8,887.37	518.78	-4,214.79	4,213.97	4,246.59	277.02	490,286.38	576,737.81	
13,484.00	90.94	268.62	8,884.54	516.37	-4,309.71	4,308.90	4,340.54	276.83	490,283.97	576,642.89	
13,578.00	91.17	268.47	8,882.81	513.99	-4,403.67	4,402.85	4,433.56	276.66	490,281.59	576,548.93	
13,645.50	90.44	267.90	8,881.86	511.85	-4,471.13	4,470.32	4,500.33	276.53	490,279.45	576,481.47	
Box401H LTP											
13,658.00	90.30	267.80	8,881.78	511.38	-4,483.62	4,482.81	4,512.69	276.51	490,278.98	576,468.98	
SDI MWD											
13,746.02	90.30	267.80	8,881.32	508.00	-4,571.57	4,570.76	4,599.71	276.34	490,275.60	576,381.03	
Box401H BHL											
13,747.00	90.30	267.80	8,881.32	507.97	-4,572.55	4,571.75	4,600.68	276.34	490,275.57	576,380.05	
Bit Projection											

Scientific Drilling, Intl
WPX Final Survey Report

Company: WPX Energy Project: Eddy County, New Mexico (NAD 83) Site: Boxer 32-22-27 Fee Pad Well: Boxer 32-22-27 Fee 401H Wellbore: Wellbore #1 Design: Actual	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well Boxer 32-22-27 Fee 401H GL 3153 + KB 26 = @ 3179.00usft (HP 265) GL 3153 + KB 26 = @ 3179.00usft (HP 265) Grid Minimum Curvature Midland District
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Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
13,658.00	8,881.78	511.38	-4,483.62	SDI MWD
13,747.00	8,881.32	507.97	-4,572.55	Bit Projection

Checked By: _____	Approved By: _____	Date: _____
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12/31/2018										
WPX Energy										
Boxer 32-22-27 Fee 401H - Actual										
Eddy County, New Mexico (NAD 83)										
Boxer 32-22-27 Fee Pad										
Your Ref:										
12/31/2018										
Measured			Vertical			Vertical	Dogleg			
Depth	Incl.	Azim.	Depth	Northings	Eastings	Section	Rate			
(ft)			(ft)	(ft)	(ft)	(ft)	(°/100ft)	Grid X	Grid Y	SSTVD
0	0	0	0	0	0	0	0	580952.6	489767.6	-3179
141	0.51	141.93	141	-0.49	0.39	-0.39	0.36	580952.99	489767.11	-3038
233	1.17	114.6	232.99	-1.21	1.49	-1.49	0.82	580954.09	489766.39	-2946.01
291	1.38	137.28	290.97	-1.97	2.51	-2.5	0.93	580955.11	489765.63	-2888.03
488	2.33	131.2	487.87	-6.35	7.13	-7.12	0.49	580959.73	489761.25	-2691.13
518	2.27	129.07	517.84	-7.12	8.05	-8.04	0.35	580960.65	489760.48	-2661.16
611	2.38	128.19	610.77	-9.48	11	-10.98	0.12	580963.6	489758.12	-2568.23
703	2.42	119.75	702.69	-11.62	14.18	-14.17	0.39	580966.78	489755.98	-2476.31
796	2.54	114.32	795.6	-13.45	17.77	-17.75	0.28	580970.37	489754.15	-2383.4
888	2.26	123.12	887.52	-15.28	21.14	-21.12	0.5	580973.74	489752.32	-2291.48
981	1.08	106.56	980.48	-16.53	23.52	-23.49	1.36	580976.12	489751.07	-2198.52
1073	1.18	28.36	1072.47	-15.94	24.8	-24.78	1.55	580977.4	489751.66	-2106.53
1166	1.86	6.18	1165.43	-13.6	25.42	-25.4	0.95	580978.02	489754	-2013.57
1261	2.54	11.56	1260.36	-10	26.01	-25.99	0.75	580978.61	489757.6	-1918.64
1355	1.25	0.69	1354.31	-6.94	26.44	-26.42	1.42	580979.04	489760.66	-1824.69
1450	1.08	288.31	1449.3	-5.62	25.6	-25.59	1.46	580978.2	489761.98	-1729.7

1545	1.35	270.14	1544.27	-5.34	23.63	-23.62	0.49	580976.23	489762.26	-1634.73
1640	0.71	267.25	1639.26	-5.36	21.92	-21.91	0.68	580974.52	489762.24	-1539.74
1735	0.33	229.06	1734.25	-5.57	21.13	-21.12	0.52	580973.73	489762.03	-1444.75
1830	0.64	274.62	1829.25	-5.71	20.39	-20.38	0.5	580972.99	489761.89	-1349.75
1924	0.74	51.43	1923.25	-5.29	20.34	-20.33	1.37	580972.94	489762.31	-1255.75
2019	1.92	43.2	2018.22	-3.74	21.91	-21.91	1.26	580974.51	489763.86	-1160.78
2045	2.35	42.55	2044.2	-3.03	22.57	-22.57	1.66	580975.17	489764.57	-1134.8
2199	2.35	45.48	2198.07	1.51	26.96	-26.96	0.08	580979.56	489769.11	-980.93
2294	2.78	42.94	2292.98	4.56	29.91	-29.92	0.47	580982.51	489772.16	-886.02
2389	4.51	35.4	2387.78	9.29	33.65	-33.66	1.89	580986.25	489776.89	-791.22
2483	4.92	35.17	2481.46	15.6	38.11	-38.14	0.44	580990.71	489783.2	-697.54
2578	6.25	35.64	2576.01	23.13	43.47	-43.51	1.4	580996.07	489790.73	-602.99
2673	7.39	33.35	2670.34	32.44	49.84	-49.89	1.23	581002.44	489800.04	-508.66
2767	7.12	31.24	2763.59	42.47	56.19	-56.25	0.4	581008.79	489810.07	-415.41
2862	6.51	30.21	2857.91	52.16	61.95	-62.03	0.65	581014.55	489819.76	-321.09
2957	6.93	32.77	2952.26	61.63	67.76	-67.86	0.54	581020.36	489829.23	-226.74
3051	7.92	36.35	3045.47	71.61	74.67	-74.78	1.16	581027.27	489839.21	-133.53
3146	7.28	35.07	3139.64	81.81	82.01	-82.14	0.7	581034.61	489849.41	-39.36
3241	6.59	33.09	3233.94	91.31	88.44	-88.59	0.77	581041.04	489858.91	54.94
3336	7.16	36.05	3328.26	100.66	94.9	-95.06	0.71	581047.5	489868.26	149.26
3430	8.14	40.01	3421.42	110.49	102.63	-102.8	1.18	581055.23	489878.09	242.42
3525	8.13	37.68	3515.47	120.96	111.06	-111.25	0.35	581063.66	489888.56	336.47
3620	8.78	31.19	3609.43	132.48	118.92	-119.13	1.21	581071.52	489900.08	430.43
3714	8.73	38.64	3702.34	144.19	127.09	-127.32	1.21	581079.69	489911.79	523.34
3809	8.66	44.04	3796.25	154.96	136.57	-136.81	0.86	581089.17	489922.56	617.25
3904	7.45	43.43	3890.31	164.58	145.77	-146.03	1.28	581098.37	489932.18	711.31
3999	6.71	43.33	3984.59	173.09	153.81	-154.09	0.78	581106.41	489940.69	805.59
4093	6.29	44.35	4077.98	180.76	161.18	-161.47	0.46	581113.78	489948.36	898.98
4188	5.81	42.77	4172.45	188.02	168.09	-168.38	0.53	581120.69	489955.62	993.45
4283	5.54	41.49	4266.99	194.98	174.39	-174.69	0.31	581126.99	489962.58	1087.99
4378	6.12	40.21	4361.5	202.28	180.7	-181.01	0.63	581133.3	489969.88	1182.5
4473	5.95	39.72	4455.97	209.94	187.11	-187.44	0.19	581139.71	489977.54	1276.97
4567	6.09	40.2	4549.45	217.49	193.44	-193.78	0.16	581146.04	489985.09	1370.45
4662	6.61	43.69	4643.87	225.3	200.47	-200.83	0.68	581153.07	489992.9	1464.87

4757	6.62	43.61	4738.24	233.21	208.03	-208.39	0.01	581160.63	490000.81	1559.24
4852	7.04	45.22	4832.56	241.28	215.94	-216.32	0.49	581168.54	490008.88	1653.56
4946	6.62	43.32	4925.9	249.28	223.74	-224.13	0.51	581176.34	490016.88	1746.9
5041	6.64	43.24	5020.26	257.27	231.26	-231.67	0.02	581183.86	490024.87	1841.26
5136	6.16	41.29	5114.67	265.1	238.39	-238.8	0.55	581190.99	490032.7	1935.67
5231	6.04	41.92	5209.13	272.64	245.09	-245.52	0.14	581197.69	490040.24	2030.13
5325	7.26	43.82	5302.5	280.61	252.51	-252.95	1.32	581205.11	490048.21	2123.5
5420	7.09	46.41	5396.75	288.98	260.91	-261.36	0.38	581213.51	490056.58	2217.75
5515	6.22	45.88	5491.11	296.61	268.85	-269.32	0.92	581221.45	490064.21	2312.11
5609	4.88	46.31	5584.67	302.92	275.4	-275.87	1.43	581228	490070.52	2405.67
5704	3.96	44.3	5679.39	308.06	280.61	-281.1	0.98	581233.21	490075.66	2500.39
5798	4.38	31.01	5773.14	313.45	284.73	-285.22	1.12	581237.33	490081.05	2594.14
5893	5.92	23.35	5867.75	321.06	288.54	-289.04	1.77	581241.14	490088.66	2688.75
5988	6.64	30.49	5962.18	330.29	293.27	-293.79	1.12	581245.87	490097.89	2783.18
6082	7.85	40.57	6055.44	339.85	300.2	-300.73	1.86	581252.8	490107.45	2876.44
6177	6.99	45.55	6149.64	348.83	308.55	-309.09	1.13	581261.15	490116.43	2970.64
6272	7.93	49.19	6243.84	357.16	317.63	-318.19	1.11	581270.23	490124.76	3064.84
6366	7.92	48.4	6336.94	365.7	327.38	-327.96	0.12	581279.98	490133.3	3157.94
6461	7	47.8	6431.13	373.93	336.57	-337.15	0.97	581289.17	490141.53	3252.13
6556	7.31	47.68	6525.39	381.89	345.32	-345.92	0.33	581297.92	490149.49	3346.39
6650	7.11	49.77	6618.65	389.67	354.19	-354.8	0.35	581306.79	490157.27	3439.65
6745	6.83	47.49	6712.95	397.29	362.84	-363.46	0.41	581315.44	490164.89	3533.95
6839	8.35	47.9	6806.12	405.64	372.02	-372.66	1.62	581324.62	490173.24	3627.12
6934	7.25	44.09	6900.24	414.57	381.31	-381.96	1.28	581333.91	490182.17	3721.24
7029	5.56	40.05	6994.65	422.4	388.45	-389.11	1.84	581341.05	490190	3815.65
7124	5.19	31.21	7089.23	429.6	393.63	-394.31	0.95	581346.23	490197.2	3910.23
7219	6.42	31.5	7183.74	437.8	398.64	-399.32	1.3	581351.24	490205.4	4004.74
7313	4.91	30.39	7277.28	445.75	403.42	-404.12	1.61	581356.02	490213.35	4098.28
7408	4.51	29.68	7371.96	452.51	407.32	-408.03	0.43	581359.92	490220.11	4192.96
7503	4.39	30.12	7466.67	458.9	411	-411.72	0.13	581363.6	490226.5	4287.67
7598	4.15	28.41	7561.41	465.06	414.46	-415.19	0.29	581367.06	490232.66	4382.41
7692	3.82	26.38	7655.18	470.86	417.47	-418.21	0.38	581370.07	490238.46	4476.18
7787	3.48	31.69	7749.99	476.15	420.39	-421.14	0.5	581372.99	490243.75	4570.99
7881	5.77	37.19	7843.68	482.34	424.74	-425.5	2.48	581377.34	490249.94	4664.68

7976	4.77	37.94	7938.27	489.26	430.06	-430.83	1.06	581382.66	490256.86	4759.27
8071	4.3	36.24	8032.98	495.25	434.59	-435.37	0.51	581387.19	490262.85	4853.98
8166	2.77	45.27	8127.79	499.74	438.33	-439.11	1.71	581390.93	490267.34	4948.79
8260	2.23	61.41	8221.7	502.21	441.55	-442.34	0.94	581394.15	490269.81	5042.7
8302	1.62	64.73	8263.68	502.86	442.8	-443.59	1.48	581395.4	490270.46	5084.68
8356	1.49	68.34	8317.66	503.44	444.15	-444.94	0.3	581396.75	490271.04	5138.66
8450	7.53	276.77	8411.43	504.62	439.16	-439.95	9.43	581391.76	490272.22	5232.43
8545	20.47	275.12	8503.41	506.85	416.33	-417.13	13.63	581368.93	490274.45	5324.41
8639	26.81	270.83	8589.48	508.62	378.72	-379.52	6.98	581331.32	490276.22	5410.48
8734	33.15	268.36	8671.73	508.19	331.29	-332.09	6.8	581283.89	490275.79	5492.73
8829	39.47	271.04	8748.25	507.99	275.07	-275.87	6.86	581227.67	490275.59	5569.25
8924	47.83	272.53	8816.93	510.1	209.6	-210.4	8.87	581162.2	490277.7	5637.93
9019	57.65	273.4	8874.38	514.04	134.18	-134.99	10.36	581086.78	490281.64	5695.38
9114	67.83	271.9	8917.84	517.89	49.94	-50.75	10.81	581002.54	490285.49	5738.84
9208	76.35	272.99	8946.72	521.72	-39.34	38.52	9.13	580913.26	490289.32	5767.72
9311	86.71	273.79	8961.87	527.75	-140.9	140.07	10.09	580811.7	490295.35	5782.87
9406	90.74	273.22	8963.98	533.55	-235.68	234.84	4.28	580716.92	490301.15	5784.98
9501	91.21	271.37	8962.36	537.36	-330.59	329.74	2.01	580622.01	490304.96	5783.36
9596	91.04	270.06	8960.5	538.54	-425.56	424.71	1.39	580527.04	490306.14	5781.5
9690	90.84	269.86	8958.96	538.48	-519.55	518.7	0.3	580433.05	490306.08	5779.96
9785	90.64	269.34	8957.73	537.81	-614.54	613.69	0.59	580338.06	490305.41	5778.73
9880	90.3	268.92	8956.95	536.37	-709.52	708.68	0.57	580243.08	490303.97	5777.95
9975	91.34	269.25	8955.59	534.85	-804.5	803.66	1.15	580148.1	490302.45	5776.59
10070	91.34	268.66	8953.37	533.12	-899.46	898.62	0.62	580053.14	490300.72	5774.37
10164	90.54	267.38	8951.83	529.88	-993.38	992.55	1.61	579959.22	490297.48	5772.83
10259	90.24	267.12	8951.18	525.32	-1088.27	1087.45	0.42	579864.33	490292.92	5772.18
10354	93.09	268.11	8948.42	521.37	-1183.14	1182.32	3.18	579769.46	490288.97	5769.42
10449	92.52	269.75	8943.77	519.59	-1278	1277.19	1.83	579674.6	490287.19	5764.77
10544	92.48	269.2	8939.63	518.72	-1372.91	1372.09	0.58	579579.69	490286.32	5760.63
10638	91.98	268.98	8935.97	517.23	-1466.83	1466.01	0.58	579485.77	490284.83	5756.97
10733	91.95	267.92	8932.71	514.66	-1561.73	1560.92	1.12	579390.87	490282.26	5753.71
10828	92.32	271.19	8929.17	513.93	-1656.65	1655.84	3.46	579295.95	490281.53	5750.17
10923	91.88	269.61	8925.69	514.59	-1751.58	1750.77	1.73	579201.02	490282.19	5746.69
11018	91.21	272.08	8923.13	515.99	-1846.53	1845.72	2.69	579106.07	490283.59	5744.13

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