

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 26 2019



Scientific Drilling International, Inc.

325 Faudree Road

Odessa, Texas 79765

Tel: 432.689.5600 Fax: 432.563.6255

www.scientificdrilling.com

30-015-45446

State of New Mexico

County of Eddy

I, Zhen Li, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 12/14/2018 through 12/30/2018 conduct or supervise the taking of a MWD survey from a depth of 141 feet to a depth of 13658 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of WPX Energy for the Boxer 32-22-27 Fee 401H Well, API# 30-015-45446 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.

Field Technician

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

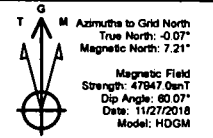
31 December, 2018



Boxer 32-22-27 Fee 401H
Eddy County, New Mexico (NAD 83)
Northing: 489767.60
Easting: 580952.60
Actual



ANNOTATIONS		
TVD	MD	Annotation
8881.78	13658.00	SDI MWD
8881.32	13747.00	Bit Projection

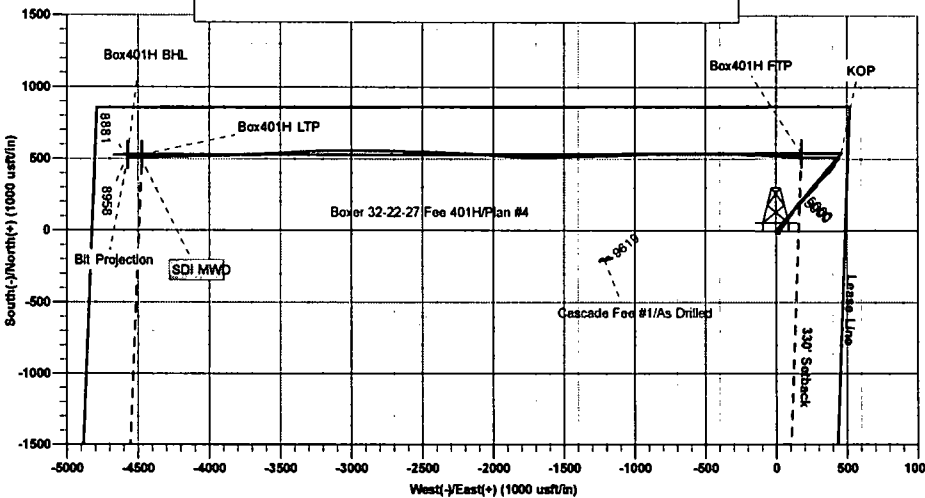
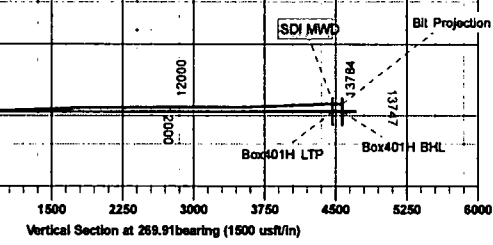
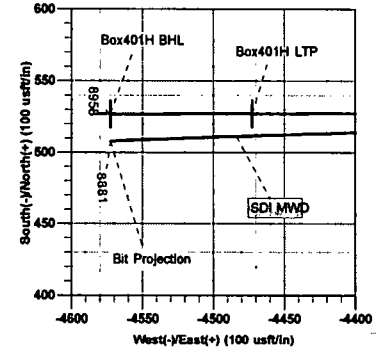
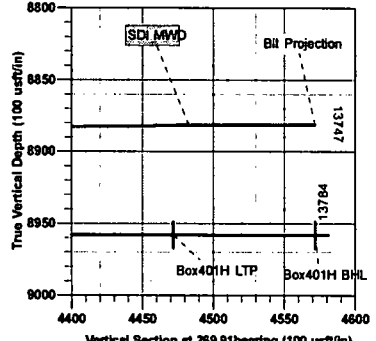
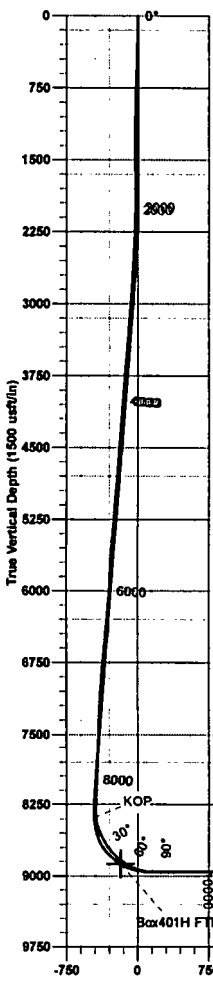


GL 3153 + KB 26 = @ 3179.00usft (HP 265)
GL @ 3153.00

WELL DETAILS					
Boxer 32-22-27 Fee 401H					
Ground Level: 3153.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	489767.60	580952.60	32.348377	-104.205053

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2160.00	0.00	0.00	2160.00	0.00	0.00	0.00	0.00	0.00	
2501.47	6.83	40.57	2500.66	15.44	13.22	2.00	40.57	-13.24	
8084.80	6.83	40.57	8044.38	519.76	445.03	0.00	0.00	-445.85	
8426.27	0.00	0.00	8385.04	535.20	458.25	2.00	180.00	-459.09	
9326.27	90.00	269.91	8958.00	534.27	-114.71	10.00	269.91	113.87	
13764.27	90.00	269.91	8958.00	527.00	-4572.70	0.00	0.00	4571.87	

To convert a Magnetic Direction to a Grid Direction, Add 7.21°
To convert a True Direction to a Grid Direction, Subtract 0.07°



Bailey Fellows
10:31, December 31 2018
Scientific Drilling
325 S. Faudree Rd.
Odessa, TX 79765

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
From:	Map	Easting:	580,952.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.346377
		Longitude:	-104.205053
		Grid Convergence:	0.07 °

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

Wellbore Wellbore #1			
Magnetics	Model Name	Sample Date	Declination
	HDGM	11/27/2018	(°) 7.26
			Dip Angle (°) 60.07
			Field Strength (nT) 47,947

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

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: Well Boxer 32-22-27 Fee 401H
 TVD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
 MD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 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

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	23.83	-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

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: Well Boxer 32-22-27 Fee 401H
TVD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
MD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	-67.66	91.60	47.71	489,829.23	581,020.36	
3,051.00	7.92	36.35	3,045.47	71.81	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	489,932.16	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	

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: Well Boxer 32-22-27 Fee 401H
TVD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
MD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	41.85	489,985.09	581,146.04	
4,662.00	6.61	43.69	4,643.87	225.30	200.47	-200.83	301.58	41.68	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	581,183.88	
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	272.84	245.09	-245.52	368.81	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	296.81	268.85	-269.32	400.32	42.19	490,064.21	581,221.45	
5,609.00	4.88	46.31	5,584.87	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	280.81	-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	
5,888.00	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	6,149.84	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	6,338.94	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	405.84	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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WPX Final Survey Report

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Well: Boxer 32-22-27 Fee 401H
Wellbore: Wellbore #1
Design: Actual

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

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)
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	490,256.88	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	36.87	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
8,984.86	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

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

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	90.84	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	8,939.83	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	267.82	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	548.48	-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 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: GL 3153 + KB 26 = @ 3179.00usft (HP 265) MD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265) North Reference: Grid Survey Calculation Method: Minimum Curvature 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	578,159.06	
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	555.87	-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	576,461.47	
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
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Site: Boxer 32-22-27 Fee Pad
Well: Boxer 32-22-27 Fee 401H
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well Boxer 32-22-27 Fee 401H
TVD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
MD Reference: GL 3153 + KB 26 = @ 3179.00usft (HP 265)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland District

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
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: _____