

WPX Energy

Eddy County, New Mexico (NAD 83)

Boxer 32-22-27 Fee Pad

Boxer 32-22-27 Fee 401H

API: ???

Wellbore #1

30-015-45446

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 16 2018

RECEIVED

Plan: Plan #3

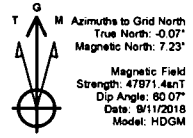
Standard Planning Report

14 November, 2018



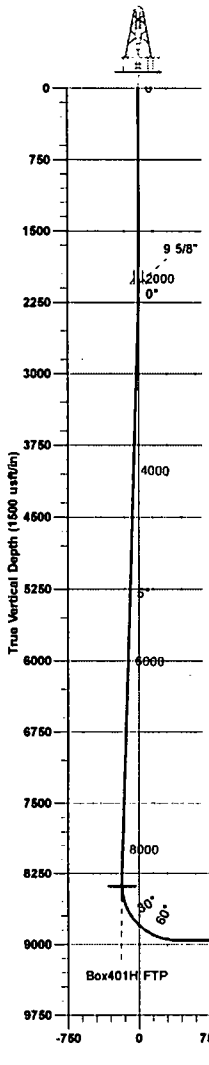
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Boxer 32-22-27 Fee 401H
Eddy County, New Mexico (NAD 83)
Northing: 489767.60
Easting: 580952.60
Plan #3



GL 3153 + KB 26 = @ 3178.00usft (HP 265)

To convert a Magnetic Direction to a Grid Direction, Add 7.23°
 To convert a True Direction to a Grid Direction, Subtract 0.07°



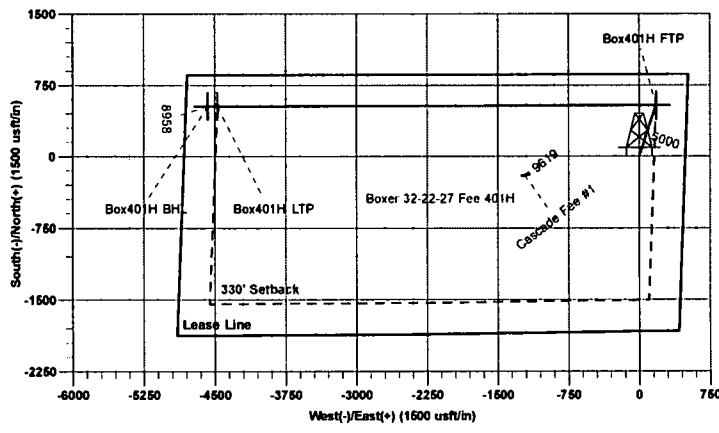
WELL DETAILS					
Boxer 32-22-27 Fee 401H					
Ground Level: 3153.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	489767.60	580952.60	32.346377	-104.205053

SECTION DETAILS							
MD	Inc	Asl	TVD	+N/-S	+E/-W	Diag	TFace
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
2430.78	5.42	18.53	2430.38	12.12	4.08	2.00	18.53
8140.55	5.42	18.53	8114.66	523.08	175.34	0.00	0.00
8411.33	0.00	0.00	8385.04	535.20	179.40	2.00	180.00
9311.33	90.00	269.90	8958.00	534.21	-393.56	10.00	269.90
13490.48	90.00	269.90	8958.00	527.00	-4572.70	0.00	0.00

SITE DETAILS:		PROJECT DETAILS:	
Boxer 32-22-27 Fee 401H		Eddy County, New Mexico (NAD 83)	
Site Centre Northing: 489767.60 Easting: 580952.60		Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: New Mexico Eastern Zone System Datum: Mean Sea Level	
Positional Uncertainty: 0.00 Convergence: 0.07 Local North: Grid			

DESIGN TARGET DETAILS			
Name	TVD	+N/-S	+E/-W
Box401H FTP	8385.04	535.20	179.40
Box401H BHL	8958.00	527.00	-4572.70
Box401H LTP	8958.00	527.10	-4472.60

CASING DETAILS		
TVD	MD	Size
2080.00	2080.00	9-5/8



FORMATION TOP DETAILS	
TVD Path	Formation
363.00	Salado
796.00	Castle
2061.00	Bell Canyon (Base of Salt)
2892.00	Cherry Canyon
3890.00	Brushy Canyon
5437.00	Bone Spring
5833.00	Avalon
6421.00	1st Bone Spring Sand
6634.00	2nd Bone Spring Sand
7001.00	2nd Bone Spring Sand
7141.00	3rd Bone Spring Sand
8485.00	3rd Bone Spring Sand
8834.00	Wolfcamp Top
8854.00	WC X
8935.00	WC Y
8944.00	Top Target
8958.00	Landing Point

Vertical Section at 269.90 bearing (1500 usft/in)

Scientific Drilling, Intl

Planning Report

Database: Midland District
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: Plan #3

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

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
	+E/-W	0.00 usft	Easting:	580,952.60 usft
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	9/11/2018	7.30	60.07	47,971

Design	Plan #3			
Audit Notes:				
Version:	Phase:	PLAN	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	269.90

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,160.00	0.00	0.00	2,160.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,430.78	5.42	18.53	2,430.38	12.12	4.06	2.00	2.00	0.00	18.53	
8,140.55	5.42	18.53	8,114.66	523.08	175.34	0.00	0.00	0.00	0.00	
8,411.33	0.00	0.00	8,385.04	535.20	179.40	2.00	-2.00	0.00	180.00	Box401H FTP
9,311.33	90.00	269.90	8,958.00	534.21	-393.56	10.00	10.00	-10.01	269.90	
13,490.48	90.00	269.90	8,958.00	527.00	-4,572.70	0.00	0.00	0.00	0.00	Box401H BHL

Scientific Drilling, Intl

Planning Report

Database: Midland District
 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: Plan #3

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

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
363.00	0.00	0.00	363.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
796.00	0.00	0.00	796.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile									
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,060.00	0.00	0.00	2,060.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
2,061.00	0.00	0.00	2,061.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon (Base of Salt)									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,160.00	0.00	0.00	2,160.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.80	18.53	2,200.00	0.26	0.09	-0.09	2.00	2.00	0.00
2,300.00	2.80	18.53	2,299.94	3.24	1.09	-1.09	2.00	2.00	0.00
2,400.00	4.80	18.53	2,399.72	9.53	3.19	-3.21	2.00	2.00	0.00
2,430.78	5.42	18.53	2,430.38	12.12	4.06	-4.09	2.00	2.00	0.00
2,500.00	5.42	18.53	2,499.29	18.32	6.14	-6.17	0.00	0.00	0.00
2,600.00	5.42	18.53	2,598.84	27.27	9.14	-9.19	0.00	0.00	0.00
2,700.00	5.42	18.53	2,698.40	36.22	12.14	-12.20	0.00	0.00	0.00
2,800.00	5.42	18.53	2,797.95	45.16	15.14	-15.22	0.00	0.00	0.00
2,894.47	5.42	18.53	2,892.00	53.62	17.97	-18.07	0.00	0.00	0.00
Cherry Canyon									
2,900.00	5.42	18.53	2,897.50	54.11	18.14	-18.23	0.00	0.00	0.00
3,000.00	5.42	18.53	2,997.06	63.06	21.14	-21.25	0.00	0.00	0.00
3,100.00	5.42	18.53	3,096.61	72.01	24.14	-24.26	0.00	0.00	0.00
3,200.00	5.42	18.53	3,196.16	80.96	27.14	-27.28	0.00	0.00	0.00
3,300.00	5.42	18.53	3,295.72	89.91	30.14	-30.29	0.00	0.00	0.00
3,400.00	5.42	18.53	3,395.27	98.86	33.14	-33.31	0.00	0.00	0.00
3,500.00	5.42	18.53	3,494.82	107.81	36.14	-36.32	0.00	0.00	0.00
3,600.00	5.42	18.53	3,594.38	116.75	39.14	-39.34	0.00	0.00	0.00
3,700.00	5.42	18.53	3,693.93	125.70	42.14	-42.36	0.00	0.00	0.00
3,800.00	5.42	18.53	3,793.49	134.65	45.14	-45.37	0.00	0.00	0.00
3,896.95	5.42	18.53	3,890.00	143.33	48.04	-48.29	0.00	0.00	0.00
Brushy Canyon									

Scientific Drilling, Intl

Planning Report

Database: Midland District
 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: Plan #3

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

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,900.00	5.42	18.53	3,893.04	143.60	48.14	-48.39	0.00	0.00	0.00
4,000.00	5.42	18.53	3,992.59	152.55	51.13	-51.40	0.00	0.00	0.00
4,100.00	5.42	18.53	4,092.15	161.50	54.13	-54.42	0.00	0.00	0.00
4,200.00	5.42	18.53	4,191.70	170.45	57.13	-57.43	0.00	0.00	0.00
4,300.00	5.42	18.53	4,291.25	179.40	60.13	-60.45	0.00	0.00	0.00
4,400.00	5.42	18.53	4,390.81	188.34	63.13	-63.46	0.00	0.00	0.00
4,500.00	5.42	18.53	4,490.36	197.29	66.13	-66.48	0.00	0.00	0.00
4,600.00	5.42	18.53	4,589.91	206.24	69.13	-69.49	0.00	0.00	0.00
4,700.00	5.42	18.53	4,689.47	215.19	72.13	-72.51	0.00	0.00	0.00
4,800.00	5.42	18.53	4,789.02	224.14	75.13	-75.52	0.00	0.00	0.00
4,900.00	5.42	18.53	4,888.57	233.09	78.13	-78.54	0.00	0.00	0.00
5,000.00	5.42	18.53	4,988.13	242.04	81.13	-81.55	0.00	0.00	0.00
5,100.00	5.42	18.53	5,087.68	250.99	84.13	-84.57	0.00	0.00	0.00
5,200.00	5.42	18.53	5,187.24	259.93	87.13	-87.58	0.00	0.00	0.00
5,300.00	5.42	18.53	5,286.79	268.88	90.13	-90.60	0.00	0.00	0.00
5,400.00	5.42	18.53	5,386.34	277.83	93.13	-93.61	0.00	0.00	0.00
5,450.88	5.42	18.53	5,437.00	282.38	94.66	-95.15	0.00	0.00	0.00
Bone Spring									
5,500.00	5.42	18.53	5,485.90	286.78	96.13	-96.63	0.00	0.00	0.00
5,600.00	5.42	18.53	5,585.45	295.73	99.13	-99.64	0.00	0.00	0.00
5,700.00	5.42	18.53	5,685.00	304.68	102.13	-102.66	0.00	0.00	0.00
5,800.00	5.42	18.53	5,784.56	313.63	105.13	-105.68	0.00	0.00	0.00
5,848.66	5.42	18.53	5,833.00	317.98	106.59	-107.14	0.00	0.00	0.00
Avalon									
5,900.00	5.42	18.53	5,884.11	322.57	108.13	-108.69	0.00	0.00	0.00
6,000.00	5.42	18.53	5,983.66	331.52	111.13	-111.71	0.00	0.00	0.00
6,100.00	5.42	18.53	6,083.22	340.47	114.13	-114.72	0.00	0.00	0.00
6,200.00	5.42	18.53	6,182.77	349.42	117.13	-117.74	0.00	0.00	0.00
6,300.00	5.42	18.53	6,282.33	358.37	120.13	-120.75	0.00	0.00	0.00
6,400.00	5.42	18.53	6,381.88	367.32	123.13	-123.77	0.00	0.00	0.00
6,439.30	5.42	18.53	6,421.00	370.83	124.30	-124.95	0.00	0.00	0.00
1st Bone Spring Sand									
6,500.00	5.42	18.53	6,481.43	376.27	126.13	-126.78	0.00	0.00	0.00
6,600.00	5.42	18.53	6,580.99	385.22	129.13	-129.80	0.00	0.00	0.00
6,653.25	5.42	18.53	6,634.00	389.98	130.72	-131.40	0.00	0.00	0.00
2nd Bone Spring Lime									
6,700.00	5.42	18.53	6,680.54	394.16	132.12	-132.81	0.00	0.00	0.00
6,800.00	5.42	18.53	6,780.09	403.11	135.12	-135.83	0.00	0.00	0.00
6,900.00	5.42	18.53	6,879.65	412.06	138.12	-138.84	0.00	0.00	0.00
7,000.00	5.42	18.53	6,979.20	421.01	141.12	-141.86	0.00	0.00	0.00
7,021.90	5.42	18.53	7,001.00	422.97	141.78	-142.52	0.00	0.00	0.00
2nd Bone Spring Sand									
7,100.00	5.42	18.53	7,078.75	429.96	144.12	-144.87	0.00	0.00	0.00
7,162.52	5.42	18.53	7,141.00	435.55	146.00	-146.76	0.00	0.00	0.00
3rd Bone Spring Lime									
7,200.00	5.42	18.53	7,178.31	438.91	147.12	-147.89	0.00	0.00	0.00
7,300.00	5.42	18.53	7,277.86	447.86	150.12	-150.90	0.00	0.00	0.00
7,400.00	5.42	18.53	7,377.42	456.81	153.12	-153.92	0.00	0.00	0.00
7,500.00	5.42	18.53	7,476.97	465.75	156.12	-156.93	0.00	0.00	0.00
7,600.00	5.42	18.53	7,576.52	474.70	159.12	-159.95	0.00	0.00	0.00
7,700.00	5.42	18.53	7,676.08	483.65	162.12	-162.96	0.00	0.00	0.00
7,800.00	5.42	18.53	7,775.63	492.60	165.12	-165.98	0.00	0.00	0.00
7,900.00	5.42	18.53	7,875.18	501.55	168.12	-169.00	0.00	0.00	0.00

Scientific Drilling, Intl

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Boxer 32-22-27 Fee 401H
Company:	WPX Energy	TVD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Site:	Boxer 32-22-27 Fee Pad	North Reference:	Grid
Well:	Boxer 32-22-27 Fee 401H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,000.00	5.42	18.53	7,974.74	510.50	171.12	-172.01	0.00	0.00	0.00
8,100.00	5.42	18.53	8,074.29	519.45	174.12	-175.03	0.00	0.00	0.00
8,140.55	5.42	18.53	8,114.66	523.08	175.34	-176.25	0.00	0.00	0.00
8,200.00	4.23	18.53	8,173.90	527.81	176.92	-177.84	2.00	-2.00	0.00
8,300.00	2.23	18.53	8,273.73	533.15	178.71	-179.64	2.00	-2.00	0.00
8,400.00	0.23	18.53	8,373.71	535.18	179.39	-180.33	2.00	-2.00	0.00
8,410.34	0.02	18.53	8,384.05	535.20	179.40	-180.33	2.00	-2.00	0.00
KOP									
8,411.33	0.00	0.00	8,385.04	535.20	179.40	-180.33	2.00	-2.00	0.00
Box401H FTP									
8,450.00	3.87	269.90	8,423.68	535.20	178.10	-179.03	10.00	10.00	0.00
8,500.00	8.87	269.90	8,473.35	535.19	172.55	-173.49	10.00	10.00	0.00
8,511.81	10.05	269.90	8,485.00	535.18	170.61	-171.55	10.00	10.00	0.00
3rd Bone Spring Sand									
8,550.00	13.87	269.90	8,522.36	535.17	162.70	-163.64	10.00	10.00	0.00
8,600.00	18.87	269.90	8,570.32	535.15	148.62	-149.55	10.00	10.00	0.00
8,650.00	23.87	269.90	8,616.86	535.12	130.41	-131.34	10.00	10.00	0.00
8,700.00	28.87	269.90	8,661.65	535.08	108.21	-109.14	10.00	10.00	0.00
8,750.00	33.87	269.90	8,704.33	535.03	82.19	-83.12	10.00	10.00	0.00
8,800.00	38.87	269.90	8,744.58	534.98	52.55	-53.49	10.00	10.00	0.00
8,850.00	43.87	269.90	8,782.09	534.92	19.52	-20.45	10.00	10.00	0.00
8,900.00	48.87	269.90	8,816.58	534.86	-16.66	15.72	10.00	10.00	0.00
8,927.23	51.59	269.90	8,834.00	534.83	-37.59	36.65	10.00	10.00	0.00
Wolfcamp Top									
8,950.00	53.87	269.90	8,847.79	534.79	-55.70	54.77	10.00	10.00	0.00
8,978.48	56.71	269.90	8,864.00	534.75	-79.11	78.18	10.00	10.00	0.00
WC_X									
9,000.00	58.87	269.90	8,875.47	534.72	-97.32	96.39	10.00	10.00	0.00
9,050.00	63.87	269.90	8,899.43	534.65	-141.19	140.26	10.00	10.00	0.00
9,100.00	68.87	269.90	8,919.46	534.57	-186.98	186.05	10.00	10.00	0.00
9,148.45	73.71	269.90	8,935.00	534.49	-232.86	231.92	10.00	10.00	0.00
WC_Y									
9,150.00	73.87	269.90	8,935.43	534.49	-234.35	233.41	10.00	10.00	0.00
9,184.42	77.31	269.90	8,944.00	534.43	-267.68	266.75	10.00	10.00	0.00
Top Target									
9,200.00	78.87	269.90	8,947.22	534.40	-282.92	281.99	10.00	10.00	0.00
9,250.00	83.87	269.90	8,954.72	534.32	-332.34	331.41	10.00	10.00	0.00
9,300.00	88.87	269.90	8,957.89	534.23	-382.22	381.29	10.00	10.00	0.00
9,311.33	90.00	269.90	8,958.00	534.21	-393.56	392.62	10.00	10.00	0.00
Landing Point									
9,400.00	90.00	269.90	8,958.00	534.06	-482.22	481.29	0.00	0.00	0.00
9,500.00	90.00	269.90	8,958.00	533.89	-582.22	581.29	0.00	0.00	0.00
9,600.00	90.00	269.90	8,958.00	533.71	-682.22	681.29	0.00	0.00	0.00
9,700.00	90.00	269.90	8,958.00	533.54	-782.22	781.29	0.00	0.00	0.00
9,800.00	90.00	269.90	8,958.00	533.37	-882.22	881.29	0.00	0.00	0.00
9,900.00	90.00	269.90	8,958.00	533.20	-982.22	981.29	0.00	0.00	0.00
10,000.00	90.00	269.90	8,958.00	533.02	-1,082.22	1,081.29	0.00	0.00	0.00
10,100.00	90.00	269.90	8,958.00	532.85	-1,182.22	1,181.29	0.00	0.00	0.00
10,200.00	90.00	269.90	8,958.00	532.68	-1,282.22	1,281.29	0.00	0.00	0.00
10,300.00	90.00	269.90	8,958.00	532.51	-1,382.22	1,381.29	0.00	0.00	0.00
10,400.00	90.00	269.90	8,958.00	532.33	-1,482.22	1,481.29	0.00	0.00	0.00
10,500.00	90.00	269.90	8,958.00	532.16	-1,582.22	1,581.29	0.00	0.00	0.00
10,600.00	90.00	269.90	8,958.00	531.99	-1,682.22	1,681.29	0.00	0.00	0.00

Scientific Drilling, Intl

Planning Report

Database: Midland District
 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: Plan #3

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

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,700.00	90.00	269.90	8,958.00	531.82	-1,782.22	1,781.29	0.00	0.00	0.00
10,800.00	90.00	269.90	8,958.00	531.64	-1,882.22	1,881.29	0.00	0.00	0.00
10,900.00	90.00	269.90	8,958.00	531.47	-1,982.22	1,981.29	0.00	0.00	0.00
11,000.00	90.00	269.90	8,958.00	531.30	-2,082.22	2,081.29	0.00	0.00	0.00
11,100.00	90.00	269.90	8,958.00	531.12	-2,182.22	2,181.29	0.00	0.00	0.00
11,200.00	90.00	269.90	8,958.00	530.95	-2,282.22	2,281.29	0.00	0.00	0.00
11,300.00	90.00	269.90	8,958.00	530.78	-2,382.22	2,381.29	0.00	0.00	0.00
11,400.00	90.00	269.90	8,958.00	530.61	-2,482.22	2,481.29	0.00	0.00	0.00
11,500.00	90.00	269.90	8,958.00	530.43	-2,582.22	2,581.29	0.00	0.00	0.00
11,600.00	90.00	269.90	8,958.00	530.26	-2,682.22	2,681.29	0.00	0.00	0.00
11,700.00	90.00	269.90	8,958.00	530.09	-2,782.22	2,781.29	0.00	0.00	0.00
11,800.00	90.00	269.90	8,958.00	529.92	-2,882.22	2,881.29	0.00	0.00	0.00
11,900.00	90.00	269.90	8,958.00	529.74	-2,982.22	2,981.29	0.00	0.00	0.00
12,000.00	90.00	269.90	8,958.00	529.57	-3,082.22	3,081.29	0.00	0.00	0.00
12,100.00	90.00	269.90	8,958.00	529.40	-3,182.22	3,181.29	0.00	0.00	0.00
12,200.00	90.00	269.90	8,958.00	529.23	-3,282.22	3,281.29	0.00	0.00	0.00
12,300.00	90.00	269.90	8,958.00	529.05	-3,382.22	3,381.29	0.00	0.00	0.00
12,400.00	90.00	269.90	8,958.00	528.88	-3,482.22	3,481.29	0.00	0.00	0.00
12,500.00	90.00	269.90	8,958.00	528.71	-3,582.22	3,581.29	0.00	0.00	0.00
12,600.00	90.00	269.90	8,958.00	528.54	-3,682.22	3,681.29	0.00	0.00	0.00
12,700.00	90.00	269.90	8,958.00	528.36	-3,782.22	3,781.29	0.00	0.00	0.00
12,800.00	90.00	269.90	8,958.00	528.19	-3,882.22	3,881.29	0.00	0.00	0.00
12,900.00	90.00	269.90	8,958.00	528.02	-3,982.22	3,981.29	0.00	0.00	0.00
13,000.00	90.00	269.90	8,958.00	527.85	-4,082.22	4,081.29	0.00	0.00	0.00
13,100.00	90.00	269.90	8,958.00	527.67	-4,182.22	4,181.29	0.00	0.00	0.00
13,200.00	90.00	269.90	8,958.00	527.50	-4,282.22	4,281.29	0.00	0.00	0.00
13,300.00	90.00	269.90	8,958.00	527.33	-4,382.22	4,381.29	0.00	0.00	0.00
13,390.38	90.00	269.90	8,958.00	527.17	-4,472.60	4,471.67	0.00	0.00	0.00
Box401H LTP									
13,400.00	90.00	269.90	8,958.00	527.16	-4,482.22	4,481.29	0.00	0.00	0.00
13,490.48	90.00	269.90	8,958.00	527.00	-4,572.70	4,571.77	0.00	0.00	0.00
Box401H BHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Box401H FTP - plan hits target center - Point	0.00	0.00	8,385.04	535.20	179.40	490,302.80	581,132.00	32.347848	-104.204470
Box401H LTP - plan misses target center by 0.07usft at 13390.38usft MD (8958.00 TVD, 527.17 N, -4472.60 E) - Point	0.00	0.00	8,958.00	527.10	-4,472.60	490,294.70	576,480.00	32.347840	-104.219535
Box401H BHL - plan hits target center - Point	0.00	0.00	8,958.00	527.00	-4,572.70	490,294.60	576,379.90	32.347840	-104.219859

Scientific Drilling, Intl

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Boxer 32-22-27 Fee 401H
Company:	WPX Energy	TVD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	GL 3153 + KB 26 = @ 3179.00usft (HP 265)
Site:	Boxer 32-22-27 Fee Pad	North Reference:	Grid
Well:	Boxer 32-22-27 Fee 401H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #3		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,060.00	2,060.00	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
363.00	363.00	Salado			
796.00	796.00	Castile			
2,061.00	2,061.00	Bell Canyon (Base of Salt)			
2,894.47	2,892.00	Cherry Canyon			
3,896.95	3,890.00	Brushy Canyon			
5,450.88	5,437.00	Bone Spring			
5,848.66	5,833.00	Avalon			
6,439.30	6,421.00	1st Bone Spring Sand			
6,653.25	6,634.00	2nd Bone Spring Lime			
7,021.90	7,001.00	2nd Bone Spring Sand			
7,162.52	7,141.00	3rd Bone Spring Lime			
8,511.81	8,485.00	3rd Bone Spring Sand			
8,927.23	8,834.00	Wolfcamp Top			
8,978.48	8,864.00	WC_X			
9,148.45	8,935.00	WC_Y			
9,184.42	8,944.00	Top Target			
9,311.33	8,958.00	Landing Point			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,410.34	8,384.04	535.20	179.40	KOP