

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 06 2019

RECEIVED

WPX Energy

Eddy County, New Mexico (NAD 83)

Beagle 35-34-22-27 Fee Pad

Beagle 35-34-22-27 Fee 401H

API: ???

ST01

30.015.45682

Plan: Plan #2 ST01

Standard Planning Report

28 January, 2019



www.scientificdrilling.com

Scientific Drilling, Intl

Planning Report

Database: Midland District
Company: WPX Energy
Project: Eddy County, New Mexico (NAD 83)
Site: Beagle 35-34-22-27 Fee Pad
Well: Beagle 35-34-22-27 Fee 401H
Wellbore: ST01
Design: Plan #2 ST01

Local Co-ordinate Reference: Well Beagle 35-34-22-27 Fee 401H
TVD Reference: GL 3079 + 26 = @ 3105.00usft (HP 265)
MD Reference: GL 3079 + 26 = @ 3105.00usft (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	Beagle 35-34-22-27 Fee Pad			
Site Position:		Northing:	490,402.60 usft	Latitude: 32.348056
From: Map		Easting:	597,756.90 usft	Longitude: -104.150635
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.10 °

Well	Beagle 35-34-22-27 Fee 401H			
Well Position	+N/-S	0.00 usft	Northing:	490,402.60 usft
	+E/-W	0.00 usft	Easting:	597,756.90 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	0.00 usft
			Ground Level:	3,079.00 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/28/2019	7.23	60.08	47,937

Design	Plan #2 ST01			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	8,600.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (bearing)
	0.00	0.00	0.00	269.52

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
8,600.00	0.00	0.00	8,573.05	-227.95	-461.30	0.00	0.00	0.00	0.00	
8,690.99	0.00	0.00	8,664.04	-227.95	-461.30	0.00	0.00	0.00	0.00	
9,590.99	90.00	269.52	9,237.00	-232.71	-1,034.24	10.00	10.00	-10.05	269.52	
19,307.39	90.00	269.52	9,237.00	-313.40	-10,750.30	0.00	0.00	0.00	0.00	Beag35-401H BHL

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Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	GL 3079 + 26 = @ 3105.00usft (HP 265)
Site:	Beagle 35-34-22-27 Fee Pad	North Reference:	Grid
Well:	Beagle 35-34-22-27 Fee 401H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan #2 ST01		

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
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
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
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	2.00	243.70	2,599.98	-0.77	-1.56	1.57	2.00	2.00	0.00
2,700.00	4.00	243.70	2,699.84	-3.09	-6.26	6.28	2.00	2.00	0.00
2,806.35	6.13	243.70	2,805.77	-7.25	-14.67	14.73	2.00	2.00	0.00
2,900.00	6.13	243.70	2,898.88	-11.68	-23.63	23.73	0.00	0.00	0.00
3,000.00	6.13	243.70	2,998.31	-16.41	-33.20	33.34	0.00	0.00	0.00
3,100.00	6.13	243.70	3,097.74	-21.13	-42.77	42.95	0.00	0.00	0.00
3,200.00	6.13	243.70	3,197.17	-25.86	-52.34	52.55	0.00	0.00	0.00
3,300.00	6.13	243.70	3,296.60	-30.59	-61.91	62.16	0.00	0.00	0.00
3,400.00	6.13	243.70	3,396.03	-35.32	-71.48	71.77	0.00	0.00	0.00
3,500.00	6.13	243.70	3,495.45	-40.05	-81.04	81.38	0.00	0.00	0.00
3,600.00	6.13	243.70	3,594.88	-44.78	-90.61	90.99	0.00	0.00	0.00
3,700.00	6.13	243.70	3,694.31	-49.50	-100.18	100.59	0.00	0.00	0.00
3,800.00	6.13	243.70	3,793.74	-54.23	-109.75	110.20	0.00	0.00	0.00
3,900.00	6.13	243.70	3,893.17	-58.96	-119.32	119.81	0.00	0.00	0.00
4,000.00	6.13	243.70	3,992.60	-63.69	-128.89	129.42	0.00	0.00	0.00
4,100.00	6.13	243.70	4,092.03	-68.42	-138.46	139.03	0.00	0.00	0.00
4,200.00	6.13	243.70	4,191.46	-73.15	-148.03	148.63	0.00	0.00	0.00
4,300.00	6.13	243.70	4,290.88	-77.87	-157.59	158.24	0.00	0.00	0.00
4,400.00	6.13	243.70	4,390.31	-82.60	-167.16	167.85	0.00	0.00	0.00
4,500.00	6.13	243.70	4,489.74	-87.33	-176.73	177.46	0.00	0.00	0.00
4,600.00	6.13	243.70	4,589.17	-92.06	-186.30	187.07	0.00	0.00	0.00
4,700.00	6.13	243.70	4,688.60	-96.79	-195.87	196.67	0.00	0.00	0.00
4,800.00	6.13	243.70	4,788.03	-101.52	-205.44	206.28	0.00	0.00	0.00
4,900.00	6.13	243.70	4,887.46	-106.25	-215.01	215.89	0.00	0.00	0.00
5,000.00	6.13	243.70	4,986.89	-110.97	-224.58	225.50	0.00	0.00	0.00
5,100.00	6.13	243.70	5,086.31	-115.70	-234.14	235.11	0.00	0.00	0.00
5,200.00	6.13	243.70	5,185.74	-120.43	-243.71	244.71	0.00	0.00	0.00
5,300.00	6.13	243.70	5,285.17	-125.16	-253.28	254.32	0.00	0.00	0.00

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Grid
Minimum Curvature

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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)
5,400.00	6.13	243.70	5,384.60	-129.89	-262.85	263.93	0.00	0.00	0.00
5,500.00	6.13	243.70	5,484.03	-134.62	-272.42	273.54	0.00	0.00	0.00
5,600.00	6.13	243.70	5,583.46	-139.34	-281.99	283.15	0.00	0.00	0.00
5,700.00	6.13	243.70	5,682.89	-144.07	-291.56	292.75	0.00	0.00	0.00
5,800.00	6.13	243.70	5,782.32	-148.80	-301.13	302.36	0.00	0.00	0.00
5,900.00	6.13	243.70	5,881.74	-153.53	-310.69	311.97	0.00	0.00	0.00
6,000.00	6.13	243.70	5,981.17	-158.26	-320.26	321.58	0.00	0.00	0.00
6,100.00	6.13	243.70	6,080.60	-162.99	-329.83	331.19	0.00	0.00	0.00
6,200.00	6.13	243.70	6,180.03	-167.71	-339.40	340.79	0.00	0.00	0.00
6,300.00	6.13	243.70	6,279.46	-172.44	-348.97	350.40	0.00	0.00	0.00
6,400.00	6.13	243.70	6,378.89	-177.17	-358.54	360.01	0.00	0.00	0.00
6,500.00	6.13	243.70	6,478.32	-181.90	-368.11	369.62	0.00	0.00	0.00
6,600.00	6.13	243.70	6,577.75	-186.63	-377.68	379.23	0.00	0.00	0.00
6,700.00	6.13	243.70	6,677.18	-191.36	-387.25	388.83	0.00	0.00	0.00
6,800.00	6.13	243.70	6,776.60	-196.08	-396.81	398.44	0.00	0.00	0.00
6,900.00	6.13	243.70	6,876.03	-200.81	-406.38	408.05	0.00	0.00	0.00
7,000.00	6.13	243.70	6,975.46	-205.54	-415.95	417.66	0.00	0.00	0.00
7,100.00	6.13	243.70	7,074.89	-210.27	-425.52	427.27	0.00	0.00	0.00
7,200.00	6.13	243.70	7,174.32	-215.00	-435.09	436.87	0.00	0.00	0.00
7,300.00	6.13	243.70	7,273.75	-219.73	-444.66	446.48	0.00	0.00	0.00
7,320.60	6.13	243.70	7,294.23	-220.70	-446.63	448.46	0.00	0.00	0.00
7,400.00	4.54	243.70	7,373.28	-223.97	-453.24	455.11	2.00	-2.00	0.00
7,500.00	2.54	243.70	7,473.09	-226.70	-458.78	460.66	2.00	-2.00	0.00
7,600.00	0.54	243.70	7,573.05	-227.89	-461.19	463.08	2.00	-2.00	0.00
7,626.95	0.00	0.00	7,600.00	-227.95	-461.30	463.19	2.00	-2.00	0.00
7,700.00	0.00	0.00	7,673.05	-227.95	-461.30	463.19	0.00	0.00	0.00
7,800.00	0.00	0.00	7,773.05	-227.95	-461.30	463.19	0.00	0.00	0.00
7,900.00	0.00	0.00	7,873.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,000.00	0.00	0.00	7,973.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,100.00	0.00	0.00	8,073.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,200.00	0.00	0.00	8,173.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,300.00	0.00	0.00	8,273.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,400.00	0.00	0.00	8,373.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,500.00	0.00	0.00	8,473.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,600.00	0.00	0.00	8,573.05	-227.95	-461.30	463.19	0.00	0.00	0.00
8,690.99	0.00	0.00	8,664.04	-227.95	-461.30	463.19	0.00	0.00	0.00
KOP									
8,700.00	0.90	269.52	8,673.05	-227.95	-461.37	463.26	10.00	10.00	0.00
8,750.00	5.90	269.52	8,722.94	-227.98	-464.34	466.23	10.00	10.00	0.00
8,800.00	10.90	269.52	8,772.39	-228.04	-471.64	473.53	10.00	10.00	0.00
8,844.79	15.38	269.52	8,816.00	-228.12	-481.82	483.71	10.00	10.00	0.00
3rd Bone Spring Sand									
8,850.00	15.90	269.52	8,821.01	-228.13	-483.22	485.12	10.00	10.00	0.00
8,900.00	20.90	269.52	8,868.44	-228.26	-499.00	500.89	10.00	10.00	0.00
8,950.00	25.90	269.52	8,914.31	-228.43	-518.85	520.75	10.00	10.00	0.00
9,000.00	30.90	269.52	8,958.28	-228.63	-542.62	544.52	10.00	10.00	0.00
9,050.00	35.90	269.52	9,000.01	-228.85	-570.14	572.04	10.00	10.00	0.00
9,100.00	40.90	269.52	9,039.18	-229.11	-601.19	603.08	10.00	10.00	0.00
9,150.00	45.90	269.52	9,075.50	-229.40	-635.53	637.43	10.00	10.00	0.00
9,200.00	50.90	269.52	9,108.69	-229.71	-672.90	674.81	10.00	10.00	0.00
9,210.12	51.91	269.52	9,115.00	-229.77	-680.82	682.72	10.00	10.00	0.00
Wolfcamp Top									
9,250.00	55.90	269.52	9,138.49	-230.04	-713.03	714.93	10.00	10.00	0.00

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9,256.32	56.53	269.52	9,142.00	-230.08	-718.28	720.18	10.00	10.00	0.00
WC_X									
9,278.61	58.76	269.52	9,153.93	-230.24	-737.11	739.02	10.00	10.00	0.00
Beag35-401H FTP									
9,300.00	60.90	269.52	9,164.68	-230.39	-755.60	757.51	10.00	10.00	0.00
9,350.00	65.90	269.52	9,187.06	-230.77	-800.30	802.20	10.00	10.00	0.00
9,400.00	70.90	269.52	9,205.46	-231.15	-846.77	848.68	10.00	10.00	0.00
9,443.04	75.20	269.52	9,218.00	-231.49	-887.93	889.83	10.00	10.00	0.00
WC_Y									
9,450.00	75.90	269.52	9,219.74	-231.55	-894.67	896.58	10.00	10.00	0.00
9,489.32	79.83	269.52	9,228.00	-231.87	-933.10	935.01	10.00	10.00	0.00
Top Target									
9,500.00	80.90	269.52	9,229.79	-231.96	-943.63	945.54	10.00	10.00	0.00
9,550.00	85.90	269.52	9,235.53	-232.37	-993.28	995.19	10.00	10.00	0.00
9,590.99	90.00	269.52	9,237.00	-232.71	-1,034.24	1,036.15	10.00	10.00	0.00
Landing Point									
9,600.00	90.00	269.52	9,237.00	-232.78	-1,043.24	1,045.16	0.00	0.00	0.00
9,700.00	90.00	269.52	9,237.00	-233.61	-1,143.24	1,145.16	0.00	0.00	0.00
9,800.00	90.00	269.52	9,237.00	-234.44	-1,243.24	1,245.16	0.00	0.00	0.00
9,900.00	90.00	269.52	9,237.00	-235.27	-1,343.23	1,345.16	0.00	0.00	0.00
10,000.00	90.00	269.52	9,237.00	-236.10	-1,443.23	1,445.16	0.00	0.00	0.00
10,100.00	90.00	269.52	9,237.00	-236.94	-1,543.23	1,545.16	0.00	0.00	0.00
10,200.00	90.00	269.52	9,237.00	-237.77	-1,643.22	1,645.16	0.00	0.00	0.00
10,300.00	90.00	269.52	9,237.00	-238.60	-1,743.22	1,745.16	0.00	0.00	0.00
10,400.00	90.00	269.52	9,237.00	-239.43	-1,843.22	1,845.16	0.00	0.00	0.00
10,500.00	90.00	269.52	9,237.00	-240.26	-1,943.21	1,945.16	0.00	0.00	0.00
10,600.00	90.00	269.52	9,237.00	-241.09	-2,043.21	2,045.16	0.00	0.00	0.00
10,700.00	90.00	269.52	9,237.00	-241.92	-2,143.21	2,145.16	0.00	0.00	0.00
10,800.00	90.00	269.52	9,237.00	-242.75	-2,243.20	2,245.16	0.00	0.00	0.00
10,900.00	90.00	269.52	9,237.00	-243.58	-2,343.20	2,345.16	0.00	0.00	0.00
11,000.00	90.00	269.52	9,237.00	-244.41	-2,443.20	2,445.16	0.00	0.00	0.00
11,100.00	90.00	269.52	9,237.00	-245.24	-2,543.19	2,545.16	0.00	0.00	0.00
11,200.00	90.00	269.52	9,237.00	-246.07	-2,643.19	2,645.16	0.00	0.00	0.00
11,300.00	90.00	269.52	9,237.00	-246.90	-2,743.19	2,745.16	0.00	0.00	0.00
11,400.00	90.00	269.52	9,237.00	-247.73	-2,843.18	2,845.16	0.00	0.00	0.00
11,500.00	90.00	269.52	9,237.00	-248.56	-2,943.18	2,945.16	0.00	0.00	0.00
11,600.00	90.00	269.52	9,237.00	-249.39	-3,043.18	3,045.16	0.00	0.00	0.00
11,700.00	90.00	269.52	9,237.00	-250.22	-3,143.17	3,145.16	0.00	0.00	0.00
11,800.00	90.00	269.52	9,237.00	-251.05	-3,243.17	3,245.16	0.00	0.00	0.00
11,900.00	90.00	269.52	9,237.00	-251.88	-3,343.16	3,345.16	0.00	0.00	0.00
12,000.00	90.00	269.52	9,237.00	-252.71	-3,443.16	3,445.16	0.00	0.00	0.00
12,100.00	90.00	269.52	9,237.00	-253.54	-3,543.16	3,545.16	0.00	0.00	0.00
12,200.00	90.00	269.52	9,237.00	-254.38	-3,643.15	3,645.16	0.00	0.00	0.00
12,300.00	90.00	269.52	9,237.00	-255.21	-3,743.15	3,745.16	0.00	0.00	0.00
12,400.00	90.00	269.52	9,237.00	-256.04	-3,843.15	3,845.16	0.00	0.00	0.00
12,500.00	90.00	269.52	9,237.00	-256.87	-3,943.14	3,945.16	0.00	0.00	0.00
12,600.00	90.00	269.52	9,237.00	-257.70	-4,043.14	4,045.16	0.00	0.00	0.00
12,700.00	90.00	269.52	9,237.00	-258.53	-4,143.14	4,145.16	0.00	0.00	0.00
12,800.00	90.00	269.52	9,237.00	-259.36	-4,243.13	4,245.16	0.00	0.00	0.00
12,900.00	90.00	269.52	9,237.00	-260.19	-4,343.13	4,345.16	0.00	0.00	0.00
13,000.00	90.00	269.52	9,237.00	-261.02	-4,443.13	4,445.16	0.00	0.00	0.00
13,100.00	90.00	269.52	9,237.00	-261.85	-4,543.12	4,545.16	0.00	0.00	0.00
13,200.00	90.00	269.52	9,237.00	-262.68	-4,643.12	4,645.16	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: Beagle 35-34-22-27 Fee Pad
Well: Beagle 35-34-22-27 Fee 401H
Wellbore: ST01
Design: Plan #2 ST01

Local Co-ordinate Reference: Well Beagle 35-34-22-27 Fee 401H
TVD Reference: GL 3079 + 26 = @ 3105.00usft (HP 265)
MD Reference: GL 3079 + 26 = @ 3105.00usft (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)
13,300.00	90.00	269.52	9,237.00	-263.51	-4,743.12	4,745.16	0.00	0.00	0.00
13,400.00	90.00	269.52	9,237.00	-264.34	-4,843.11	4,845.16	0.00	0.00	0.00
13,500.00	90.00	269.52	9,237.00	-265.17	-4,943.11	4,945.16	0.00	0.00	0.00
13,600.00	90.00	269.52	9,237.00	-266.00	-5,043.11	5,045.16	0.00	0.00	0.00
13,700.00	90.00	269.52	9,237.00	-266.83	-5,143.10	5,145.16	0.00	0.00	0.00
13,800.00	90.00	269.52	9,237.00	-267.66	-5,243.10	5,245.16	0.00	0.00	0.00
13,900.00	90.00	269.52	9,237.00	-268.49	-5,343.10	5,345.16	0.00	0.00	0.00
14,000.00	90.00	269.52	9,237.00	-269.32	-5,443.09	5,445.16	0.00	0.00	0.00
14,100.00	90.00	269.52	9,237.00	-270.15	-5,543.09	5,545.16	0.00	0.00	0.00
14,200.00	90.00	269.52	9,237.00	-270.98	-5,643.09	5,645.16	0.00	0.00	0.00
14,300.00	90.00	269.52	9,237.00	-271.82	-5,743.08	5,745.16	0.00	0.00	0.00
14,400.00	90.00	269.52	9,237.00	-272.65	-5,843.08	5,845.16	0.00	0.00	0.00
14,500.00	90.00	269.52	9,237.00	-273.48	-5,943.08	5,945.16	0.00	0.00	0.00
14,600.00	90.00	269.52	9,237.00	-274.31	-6,043.07	6,045.16	0.00	0.00	0.00
14,700.00	90.00	269.52	9,237.00	-275.14	-6,143.07	6,145.16	0.00	0.00	0.00
14,800.00	90.00	269.52	9,237.00	-275.97	-6,243.06	6,245.16	0.00	0.00	0.00
14,900.00	90.00	269.52	9,237.00	-276.80	-6,343.06	6,345.16	0.00	0.00	0.00
15,000.00	90.00	269.52	9,237.00	-277.63	-6,443.06	6,445.16	0.00	0.00	0.00
15,100.00	90.00	269.52	9,237.00	-278.46	-6,543.05	6,545.16	0.00	0.00	0.00
15,200.00	90.00	269.52	9,237.00	-279.29	-6,643.05	6,645.16	0.00	0.00	0.00
15,300.00	90.00	269.52	9,237.00	-280.12	-6,743.05	6,745.16	0.00	0.00	0.00
15,400.00	90.00	269.52	9,237.00	-280.95	-6,843.04	6,845.16	0.00	0.00	0.00
15,500.00	90.00	269.52	9,237.00	-281.78	-6,943.04	6,945.16	0.00	0.00	0.00
15,600.00	90.00	269.52	9,237.00	-282.61	-7,043.04	7,045.16	0.00	0.00	0.00
15,700.00	90.00	269.52	9,237.00	-283.44	-7,143.03	7,145.16	0.00	0.00	0.00
15,800.00	90.00	269.52	9,237.00	-284.27	-7,243.03	7,245.16	0.00	0.00	0.00
15,900.00	90.00	269.52	9,237.00	-285.10	-7,343.03	7,345.16	0.00	0.00	0.00
16,000.00	90.00	269.52	9,237.00	-285.93	-7,443.02	7,445.16	0.00	0.00	0.00
16,100.00	90.00	269.52	9,237.00	-286.76	-7,543.02	7,545.16	0.00	0.00	0.00
16,200.00	90.00	269.52	9,237.00	-287.59	-7,643.02	7,645.16	0.00	0.00	0.00
16,300.00	90.00	269.52	9,237.00	-288.42	-7,743.01	7,745.16	0.00	0.00	0.00
16,400.00	90.00	269.52	9,237.00	-289.26	-7,843.01	7,845.16	0.00	0.00	0.00
16,500.00	90.00	269.52	9,237.00	-290.09	-7,943.01	7,945.16	0.00	0.00	0.00
16,600.00	90.00	269.52	9,237.00	-290.92	-8,043.00	8,045.16	0.00	0.00	0.00
16,700.00	90.00	269.52	9,237.00	-291.75	-8,143.00	8,145.16	0.00	0.00	0.00
16,800.00	90.00	269.52	9,237.00	-292.58	-8,243.00	8,245.16	0.00	0.00	0.00
16,900.00	90.00	269.52	9,237.00	-293.41	-8,342.99	8,345.16	0.00	0.00	0.00
17,000.00	90.00	269.52	9,237.00	-294.24	-8,442.99	8,445.16	0.00	0.00	0.00
17,100.00	90.00	269.52	9,237.00	-295.07	-8,542.99	8,545.16	0.00	0.00	0.00
17,200.00	90.00	269.52	9,237.00	-295.90	-8,642.98	8,645.16	0.00	0.00	0.00
17,300.00	90.00	269.52	9,237.00	-296.73	-8,742.98	8,745.16	0.00	0.00	0.00
17,400.00	90.00	269.52	9,237.00	-297.56	-8,842.98	8,845.16	0.00	0.00	0.00
17,500.00	90.00	269.52	9,237.00	-298.39	-8,942.97	8,945.16	0.00	0.00	0.00
17,600.00	90.00	269.52	9,237.00	-299.22	-9,042.97	9,045.16	0.00	0.00	0.00
17,700.00	90.00	269.52	9,237.00	-300.05	-9,142.96	9,145.16	0.00	0.00	0.00
17,800.00	90.00	269.52	9,237.00	-300.88	-9,242.96	9,245.16	0.00	0.00	0.00
17,900.00	90.00	269.52	9,237.00	-301.71	-9,342.96	9,345.16	0.00	0.00	0.00
18,000.00	90.00	269.52	9,237.00	-302.54	-9,442.95	9,445.16	0.00	0.00	0.00
18,100.00	90.00	269.52	9,237.00	-303.37	-9,542.95	9,545.16	0.00	0.00	0.00
18,200.00	90.00	269.52	9,237.00	-304.20	-9,642.95	9,645.16	0.00	0.00	0.00
18,300.00	90.00	269.52	9,237.00	-305.03	-9,742.94	9,745.16	0.00	0.00	0.00
18,400.00	90.00	269.52	9,237.00	-305.86	-9,842.94	9,845.16	0.00	0.00	0.00
18,500.00	90.00	269.52	9,237.00	-306.69	-9,942.94	9,945.16	0.00	0.00	0.00
18,600.00	90.00	269.52	9,237.00	-307.53	-10,042.93	10,045.16	0.00	0.00	0.00

Scientific Drilling, Intl

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Beagle 35-34-22-27 Fee 401H
Company:	WPX Energy	TVD Reference:	GL 3079 + 26 = @ 3105.00usft (HP 265)
Project:	Eddy County, New Mexico (NAD 83)	MD Reference:	GL 3079 + 26 = @ 3105.00usft (HP 265)
Site:	Beagle 35-34-22-27 Fee Pad	North Reference:	Grid
Well:	Beagle 35-34-22-27 Fee 401H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	Plan #2 ST01		

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)
18,700.00	90.00	269.52	9,237.00	-308.36	-10,142.93	10,145.16	0.00	0.00	0.00
18,800.00	90.00	269.52	9,237.00	-309.19	-10,242.93	10,245.16	0.00	0.00	0.00
18,900.00	90.00	269.52	9,237.00	-310.02	-10,342.92	10,345.16	0.00	0.00	0.00
19,000.00	90.00	269.52	9,237.00	-310.85	-10,442.92	10,445.16	0.00	0.00	0.00
19,100.00	90.00	269.52	9,237.00	-311.68	-10,542.92	10,545.16	0.00	0.00	0.00
19,200.00	90.00	269.52	9,237.00	-312.51	-10,642.91	10,645.16	0.00	0.00	0.00
Beag35-401H LTP									
19,307.39	90.00	269.52	9,237.00	-313.40	-10,750.30	10,752.55	0.00	0.00	0.00
Beag35-401H 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
Beag35-401H FTP - plan misses target center by 3.54usft at 9278.61usft MD (9153.93 TVD, -230.24 N, -737.11 E) - Point	0.00	0.00	9,154.00	-226.70	-737.10	490,175.90	597,019.80	32.347436	-104.153023
Beag35-401H LTP - plan misses target center by 7.29usft at 19200.00usft MD (9237.00 TVD, -312.51 N, -10642.91 E) - Point	0.00	0.00	9,237.00	-312.50	-10,650.20	490,090.10	587,106.70	32.347242	-104.185124
Beag35-401H BHL - plan hits target center - Point	0.00	0.00	9,237.00	-313.40	-10,750.30	490,089.20	587,006.60	32.347240	-104.185448

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (bearing)
383.00	383.00	Salado			
835.00	835.00	Castile			
2,340.00	2,340.00	Bell Canyon (Base of Salt)			
3,249.11	3,246.00	Cherry Canyon			
4,237.76	4,229.00	Brushy Canyon			
5,758.45	5,741.00	Bone Spring			
6,150.69	6,131.00	Avalon			
6,789.34	6,766.00	1st Bone Spring Sand			
7,030.71	7,006.00	2nd Bone Spring Lime			
7,499.91	7,473.00	2nd Bone Spring Sand			
7,661.95	7,635.00	3rd Bone Spring Lime			
8,844.79	8,816.00	3rd Bone Spring Sand			
9,210.12	9,115.00	Wolfcamp Top			
9,256.32	9,142.00	WC_X			
9,443.04	9,218.00	WC_Y			
9,489.32	9,228.00	Top Target			
9,590.99	9,237.00	Landing Point			

Scientific Drilling, Intl

Planning Report

Database: Midland District
Company: WPX Energy
Project: Eddy County, New Mexico (NAD 83)
Site: Beagle 35-34-22-27 Fee Pad
Well: Beagle 35-34-22-27 Fee 401H
Wellbore: ST01
Design: Plan #2 ST01

Local Co-ordinate Reference: Well Beagle 35-34-22-27 Fee 401H
TVD Reference: GL 3079 + 26 = @ 3105.00usft (HP 265)
MD Reference: GL 3079 + 26 = @ 3105.00usft (HP 265)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

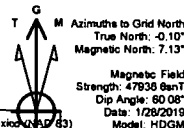
Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,690.99	8,664.04	-227.95	-461.30	KOP

Beagle 35-34-22-27 Fee 401H
Eddy County, New Mexico (NAD 83)
Northing: 490402.60
Easting: 597756.90
Plan #2 ST01



GL 3079 + 26 = @ 3105.00usft (HP 265)



WELL DETAILS Beagle 35-34-22-27 Fee 401H					
Ground Level: 3079.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	490402.60	597756.90	32.348055	-104.150635

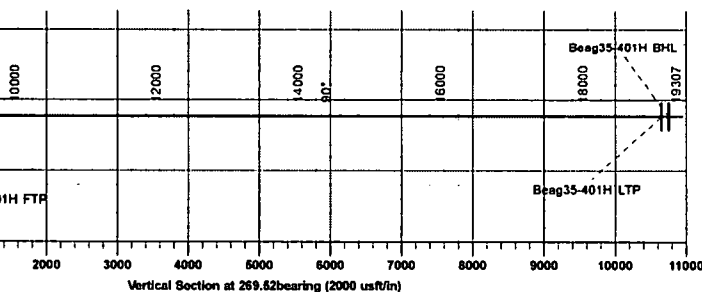
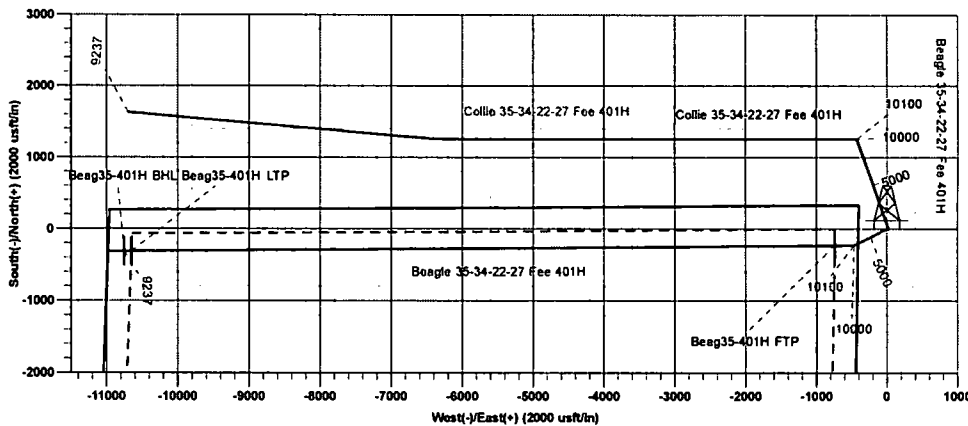
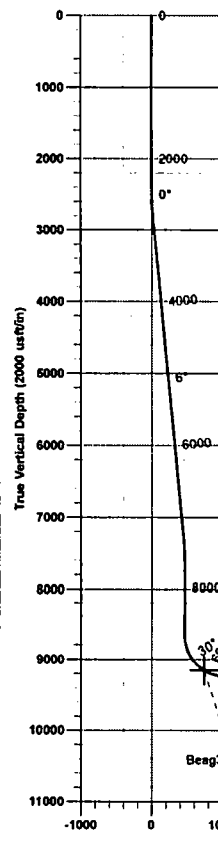
WELL DETAILS: Beagle 35-34-22-27 Fee 401H
 Site Centre Northing: 490402.60
 Easting: 597756.90
 Positional Uncertainty: 0.00
 Convergence: 0.10
 Local North: Grid

PROJECT DETAILS: Eddy County, New Mexico (NAD 83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

SECTION DETAILS							
MD	Inc	Asi	TVD	+N/-S	+E/-W	Diag	TFace
8600.00	0.00	0.00	8573.05	0.00	-227.95	-481.30	0.00
8690.99	0.00	0.00	8664.04	0.00	-227.95	-481.30	0.00
9590.99	90.00	269.52	9237.00	-232.71	-1034.24	10.00	269.52
19307.39	90.00	269.52	9237.00	-313.40	-10750.30	0.00	0.00

DESIGN TARGET DETAILS			
Name	TVD	+N/-S	+E/-W
Beag35-401H FTP	9154.00	-226.70	-737.10
Beag35-401H BHL	9237.00	-313.40	-10750.30
Beag35-401H LTP	9237.00	-312.50	-10650.20

CASING DETAILS
 No casing data is available



FORMATION TOP DETAILS	
TVDPath	Formation
8819.00	3rd Bone Spring Sand
9115.00	Wolfcamp Top
9142.00	WC-X
9218.00	WC-Y
9228.00	Top Target
9237.00	Landing Point