

Energy Services®

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WPX Energy

North Brushy Draw Federal 35 5H
Eddy County, New Mexico
Orion Phoenix

The attached EOW report of Energy Services Inc. was prepared in accordance with the requirements of the EOW report. The report was prepared by the EOW report writer and is based on the information provided by the EOW report writer. The EOW report writer is not responsible for the accuracy or completeness of the information provided by the EOW report writer. The EOW report writer is not responsible for the accuracy or completeness of the information provided by the EOW report writer.

Prepared by:
Cindy Darland



T G M

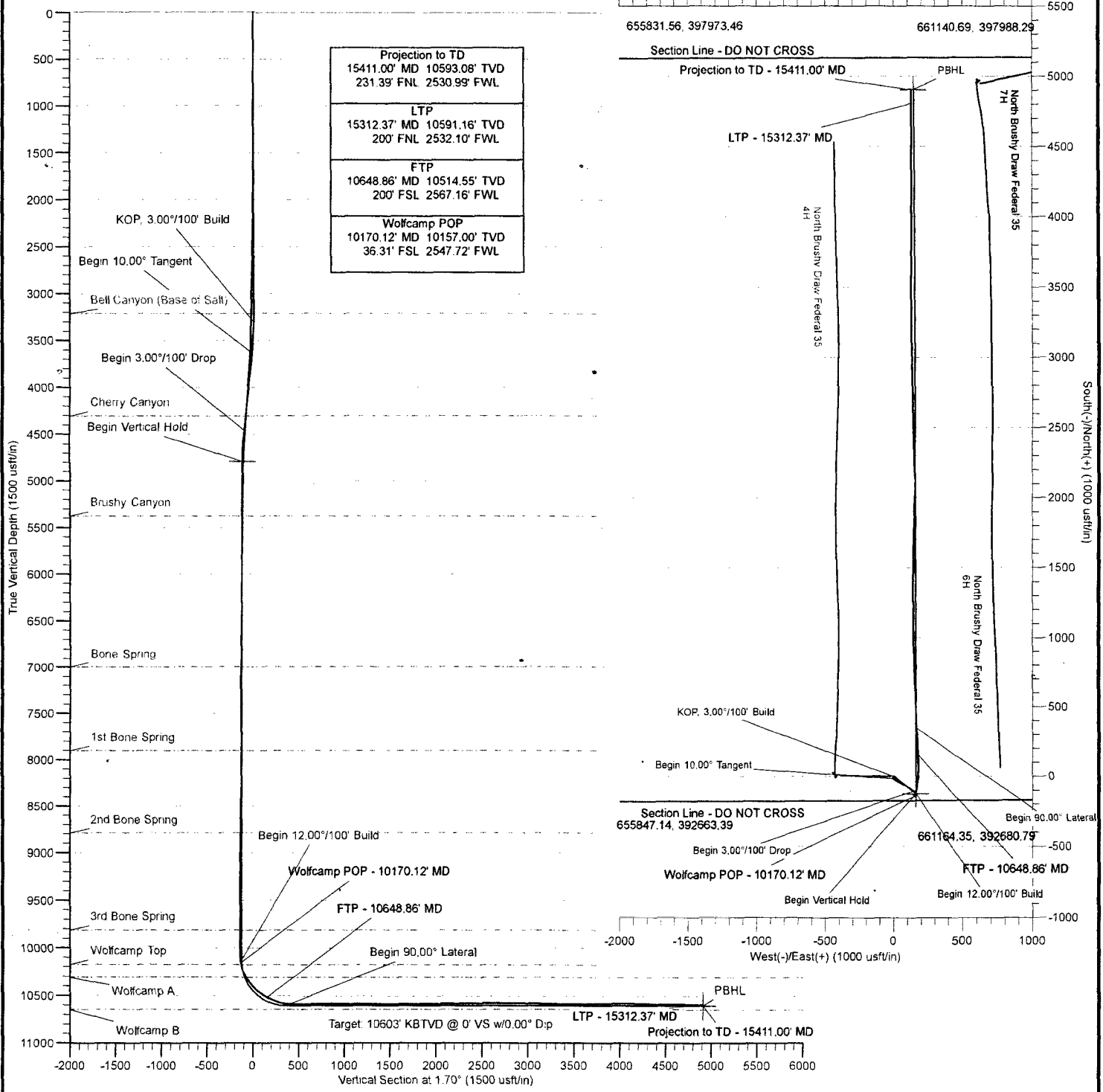
Azimuths to Grid North
 True North: -0.20°
 Magnetic North: 7.02°

Magnetic Field
 Strength: 47916.7snT
 Dip Angle: 59.86°
 Date: 3/1/2017
 Model: BGGM2016

US State Plane 1983
 New Mexico Eastern Zone

Created By: HLH
 Date: 15:53, March 13 2017
 Plan: Design #1

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	KOP, 3.00°/100' Build
3633.47	10.00	127.81	3631.78	-17.80	22.94	-17.11	29.04		Begin 10.00° Tangent
4469.62	10.00	127.81	4455.22	-106.85	137.71	-102.70	174.30		Begin 3.00°/100' Drop
4803.10	0.00	0.00	4787.00	-124.65	160.65	-119.82	203.34		Begin Vertical Hold
10141.63	0.00	0.00	10125.54	-124.65	160.65	-119.82	203.34		Begin 12.00°/100' Build
10891.63	90.00	359.83	10603.00	352.81	159.25	357.39	680.80		Begin 90.00° Lateral
15443.36	90.00	359.83	10603.00	4904.52	145.89	4906.69	5232.53		PBHL



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.

WPXENERGY



WPX Energy

Eddy County, New Mexico (NAD 83)
North Brushy Draw Federal 35
5H

Wellbore #1

Design: Surveys

Standard Survey Report

13 March, 2017

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 09 2017

RECEIVED

Company: WPX Energy
 Project: Eddy County, New Mexico (NAD 83)
 Site: North Brushy Draw Federal 35
 Well: 5H
 Wellbore: Wellbore #1
 Design: Surveys

Local Co-ordinate Reference: Well 5H
 TVD Reference: WELL @ 3022.00usft (Orion Phoenix)
 MD Reference: WELL @ 3022.00usft (Orion Phoenix)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM Conroe

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		

Well 5H

Well Position +N/-S 0.00 usft **Northing:** 392,846.06 usft **Latitude:** 32° 4' 46.025 N
 +E/-W 0.00 usft **Easting:** 658,236.34 usft **Longitude:** 103° 57' 21.244 W

Position Uncertainty 0.00 usft **Wellhead Elevation:** usft **Ground Level:** 2,997.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2016	3/1/2017	7.22	59.86	47,917

Design Surveys

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 (°)
	0.00	0.00	0.00	1.70

Survey Program Date 3/13/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
139.00	15,411.00	MS MWD (Wellbore #1)	MWD	OWSG MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	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
139.00	0.30	133.60	139.00	-0.25	0.26	-0.24	0.22	0.22	0.00
228.00	0.30	139.20	228.00	-0.59	0.58	-0.57	0.03	0.00	6.29
319.00	0.20	122.00	319.00	-0.85	0.87	-0.83	0.14	-0.11	-18.90
408.00	0.30	208.20	408.00	-1.14	0.90	-1.11	0.39	0.11	96.85
498.00	0.10	271.10	498.00	-1.35	0.71	-1.32	0.30	-0.22	69.89
584.00	0.30	220.70	584.00	-1.52	0.48	-1.50	0.29	0.23	-58.60
700.00	0.50	231.60	699.99	-2.06	-0.11	-2.06	0.18	0.17	9.40
790.00	0.80	267.40	789.99	-2.33	-1.05	-2.36	0.55	0.33	39.78
881.00	0.40	144.40	880.98	-2.62	-1.50	-2.66	1.18	-0.44	-135.16
971.00	0.60	163.20	970.98	-3.33	-1.18	-3.36	0.28	0.22	20.89
1,061.00	0.50	138.70	1,060.98	-4.07	-0.78	-4.09	0.28	-0.11	-27.22
1,152.00	0.30	114.00	1,151.97	-4.47	-0.30	-4.47	0.29	-0.22	-27.14
1,241.00	0.00	43.70	1,240.97	-4.56	-0.09	-4.56	0.34	-0.34	0.00
1,331.00	0.10	31.70	1,330.97	-4.50	-0.05	-4.49	0.11	0.11	0.00

Company: WPX Energy
Project: Eddy County, New Mexico (NAD 83)
Site: North Brushy Draw Federal 35
Well: 5H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well 5H
TVD Reference: WELL @ 3022.00usft (Orion Phoenix)
MD Reference: WELL @ 3022.00usft (Orion Phoenix)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM Conroe

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,516.00	0.20	71.00	1,515.97	-4.25	0.34	-4.24	0.07	0.05	21.24
1,706.00	0.50	200.30	1,705.97	-4.92	0.37	-4.91	0.34	0.16	68.05
1,896.00	0.60	254.30	1,895.96	-5.97	-0.88	-5.99	0.27	0.05	28.42
2,084.00	1.10	240.50	2,083.94	-7.12	-3.39	-7.22	0.29	0.27	-7.34
2,274.00	1.30	259.80	2,273.90	-8.40	-7.10	-8.61	0.24	0.11	10.16
2,463.00	1.40	165.80	2,462.87	-11.02	-8.65	-11.27	1.05	0.05	-49.74
2,653.00	1.50	139.50	2,652.81	-15.16	-6.46	-15.35	0.35	0.05	-13.84
2,843.00	3.00	127.10	2,842.66	-20.05	-0.88	-20.07	0.83	0.79	-6.53
3,032.00	2.50	119.00	3,031.44	-25.04	6.67	-24.83	0.33	-0.26	-4.29
3,127.00	2.30	119.80	3,126.36	-26.99	10.13	-26.67	0.21	-0.21	0.84
3,202.00	1.90	117.70	3,201.31	-28.31	12.54	-27.93	0.54	-0.53	-2.80
3,297.00	2.00	116.70	3,296.25	-29.79	15.42	-29.32	0.11	0.11	-1.05
3,393.00	2.00	112.60	3,392.19	-31.19	18.46	-30.63	0.15	0.00	-4.27
3,487.00	4.20	117.30	3,486.05	-33.40	23.03	-32.70	2.35	2.34	5.00
3,582.00	6.70	120.00	3,580.61	-37.76	30.93	-36.83	2.64	2.63	2.84
3,677.00	9.00	118.60	3,674.72	-44.09	42.25	-42.82	2.43	2.42	-1.47
3,772.00	8.70	119.20	3,768.59	-51.15	55.05	-49.50	0.33	-0.32	0.63
3,867.00	8.80	120.10	3,862.48	-58.30	67.61	-56.27	0.18	0.11	0.95
3,962.00	8.70	119.20	3,956.37	-65.45	80.16	-63.05	0.18	-0.11	-0.95
4,057.00	8.00	118.10	4,050.37	-72.07	92.27	-69.30	0.76	-0.74	-1.16
4,151.00	7.70	117.40	4,143.49	-78.05	103.63	-74.94	0.33	-0.32	-0.74
4,245.00	7.50	116.70	4,236.66	-83.71	114.70	-80.27	0.23	-0.21	-0.74
4,340.00	7.60	123.90	4,330.84	-90.00	125.45	-86.23	1.00	0.11	7.58
4,435.00	7.70	125.10	4,424.99	-97.16	135.87	-93.09	0.20	0.11	1.26
4,529.00	7.80	121.50	4,518.14	-104.11	146.47	-99.72	0.53	0.11	-3.83
4,623.00	5.30	124.50	4,611.51	-109.91	155.48	-105.24	2.68	-2.66	3.19
4,718.00	2.40	143.80	4,706.29	-114.00	160.28	-109.19	3.30	-3.05	20.32
4,812.00	0.60	242.00	4,800.27	-115.82	161.00	-110.99	2.72	-1.91	104.47
4,907.00	0.80	259.40	4,895.26	-116.17	159.91	-111.38	0.30	0.21	18.32
5,002.00	1.00	248.90	4,990.25	-116.59	158.49	-111.84	0.27	0.21	-11.05
5,098.00	1.10	237.30	5,086.23	-117.39	156.93	-112.68	0.24	0.10	-12.08
5,193.00	1.00	249.60	5,181.21	-118.17	155.39	-113.51	0.26	-0.11	12.95
5,288.00	0.30	108.30	5,276.21	-118.54	154.85	-113.89	1.31	-0.74	-148.74
5,383.00	0.90	110.00	5,371.21	-118.87	155.78	-114.20	0.63	0.63	1.79
5,477.00	1.20	129.30	5,465.19	-119.75	157.24	-115.03	0.49	0.32	20.53
5,572.00	1.40	125.00	5,560.16	-121.05	158.96	-116.28	0.23	0.21	-4.53
5,667.00	1.30	128.00	5,655.14	-122.37	160.76	-117.55	0.13	-0.11	3.16
5,762.00	1.10	127.90	5,750.12	-123.60	162.33	-118.73	0.21	-0.21	-0.11
5,857.00	1.10	141.50	5,845.10	-124.87	163.61	-119.96	0.27	0.00	14.32
5,952.00	0.80	149.70	5,940.09	-126.16	164.52	-121.22	0.35	-0.32	8.63
6,047.00	0.80	161.10	6,035.08	-127.36	165.07	-122.41	0.17	0.00	12.00
6,142.00	0.90	157.00	6,130.07	-128.67	165.57	-123.70	0.12	0.11	-4.32
6,236.00	0.80	159.60	6,224.06	-129.97	166.09	-124.98	0.11	-0.11	2.77
6,331.00	1.10	145.30	6,319.04	-131.34	166.84	-126.33	0.40	0.32	-15.05

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,426.00	0.40	225.40	6,414.04	-132.32	167.12	-127.31	1.16	-0.74	84.32
6,521.00	0.30	239.10	6,509.04	-132.68	166.67	-127.68	0.14	-0.11	14.42
6,616.00	0.70	215.00	6,604.03	-133.28	166.13	-128.30	0.47	0.42	-25.37
6,711.00	1.00	207.90	6,699.02	-134.49	165.41	-129.53	0.33	0.32	-7.47
6,806.00	0.80	316.90	6,794.01	-134.74	164.56	-129.80	1.55	-0.21	114.74
6,901.00	1.00	318.90	6,889.00	-133.63	163.57	-128.72	0.21	0.21	2.11
6,996.00	0.90	274.70	6,983.99	-132.95	162.28	-128.07	0.76	-0.11	-46.53
7,091.00	1.00	266.90	7,078.98	-132.93	160.71	-128.10	0.17	0.11	-8.21
7,186.00	1.00	248.60	7,173.96	-133.28	159.11	-128.50	0.33	0.00	-19.26
7,281.00	2.00	265.70	7,268.93	-133.70	156.68	-129.00	1.14	1.05	18.00
7,376.00	1.30	284.00	7,363.89	-133.57	153.98	-128.94	0.91	-0.74	19.26
7,470.00	1.70	290.70	7,457.86	-132.82	151.64	-128.26	0.46	0.43	7.13
7,566.00	2.40	284.70	7,553.80	-131.80	148.37	-127.34	0.76	0.73	-6.25
7,661.00	1.20	276.70	7,648.75	-131.18	145.46	-126.81	1.29	-1.26	-8.42
7,756.00	1.40	258.60	7,743.72	-131.30	143.33	-126.99	0.48	0.21	-19.05
7,851.00	0.90	83.30	7,838.72	-131.44	142.93	-127.14	2.42	-0.53	-184.53
7,945.00	1.00	106.30	7,932.70	-131.58	144.45	-127.24	0.42	0.11	24.47
8,040.00	0.90	106.60	8,027.69	-132.03	145.96	-127.64	0.11	-0.11	0.32
8,135.00	0.40	123.20	8,122.68	-132.42	146.96	-128.01	0.56	-0.53	17.47
8,230.00	0.60	133.40	8,217.68	-132.95	147.60	-128.51	0.23	0.21	10.74
8,325.00	1.20	108.90	8,312.67	-133.61	148.90	-129.13	0.74	0.63	-25.79
8,421.00	1.50	135.40	8,408.64	-134.83	150.73	-130.30	0.71	0.31	27.60
8,515.00	1.60	150.00	8,502.61	-136.84	152.25	-132.27	0.43	0.11	15.53
8,610.00	2.00	134.50	8,597.56	-139.15	154.10	-134.52	0.66	0.42	-16.32
8,705.00	2.00	116.00	8,692.51	-141.04	156.77	-136.33	0.68	0.00	-19.47
8,799.00	0.80	165.30	8,786.48	-142.40	158.41	-137.63	1.70	-1.28	52.45
8,894.00	1.00	203.40	8,881.47	-143.80	158.25	-139.04	0.65	0.21	40.11
8,989.00	0.90	52.60	8,976.46	-144.11	158.51	-139.34	1.94	-0.11	-158.74
9,084.00	0.60	42.20	9,071.45	-143.28	159.44	-138.49	0.35	-0.32	-10.95
9,179.00	0.50	101.30	9,166.45	-143.00	160.18	-138.18	0.58	-0.11	62.21
9,274.00	0.10	130.80	9,261.45	-143.13	160.65	-138.30	0.44	-0.42	31.05
9,369.00	0.20	143.40	9,356.45	-143.32	160.81	-138.49	0.11	0.11	13.26
9,464.00	0.50	200.10	9,451.45	-143.84	160.77	-139.01	0.45	0.32	59.68
9,559.00	0.70	208.70	9,546.44	-144.74	160.35	-139.92	0.23	0.21	9.05
9,653.00	0.90	226.00	9,640.43	-145.76	159.54	-140.96	0.33	0.21	18.40
9,747.00	0.10	276.10	9,734.43	-146.26	158.93	-141.48	0.89	-0.85	53.30
9,842.00	0.20	228.20	9,829.43	-146.36	158.72	-141.59	0.16	0.11	-50.42
9,937.00	0.60	210.70	9,924.43	-146.90	158.34	-142.14	0.44	0.42	-18.42
10,021.00	0.70	211.10	10,008.42	-147.72	157.85	-142.97	0.12	0.12	0.48
10,035.00	0.80	205.70	10,022.42	-147.88	157.77	-143.13	0.87	0.71	-38.57
10,135.00	5.80	4.90	10,122.27	-143.47	157.90	-138.72	6.55	5.00	159.20
10,170.12	10.97	6.16	10,157.00	-138.38	158.41	-133.61	14.74	14.73	3.59

Wolfcamp POP - 10170.12' MD

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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,230.00	19.80	6.80	10,214.68	-122.61	160.22	-117.80	14.74	14.74	1.07
10,324.00	32.40	9.10	10,298.92	-81.77	166.12	-76.80	13.45	13.40	2.45
10,419.00	42.00	8.50	10,374.51	-25.07	174.86	-19.87	10.11	10.11	-0.63
10,514.00	50.70	0.90	10,440.07	43.30	180.15	48.63	10.82	9.16	-8.00
10,609.00	58.90	357.20	10,494.79	120.83	178.74	126.08	9.20	8.63	-3.89
10,648.86	61.67	357.11	10,514.55	155.40	177.02	160.59	6.95	6.95	-0.22
FTP - 10648.86' MD									
10,704.00	65.50	357.00	10,539.08	204.71	174.48	209.80	6.95	6.95	-0.21
10,798.00	76.60	356.60	10,569.55	293.34	169.52	298.24	11.82	11.81	-0.43
10,894.00	86.50	356.60	10,583.64	388.01	163.89	392.70	10.31	10.31	0.00
10,934.00	88.70	357.50	10,585.32	427.92	161.84	432.53	5.94	5.50	2.25
11,048.00	90.70	358.00	10,585.92	541.83	157.36	546.26	1.81	1.75	0.44
11,139.00	90.60	357.80	10,584.88	632.76	154.03	637.05	0.25	-0.11	-0.22
11,230.00	91.40	358.20	10,583.30	723.69	150.85	727.85	0.98	0.88	0.44
11,321.00	91.80	358.10	10,580.75	814.61	147.92	818.64	0.45	0.44	-0.11
11,412.00	90.90	358.50	10,578.61	905.54	145.22	909.45	1.08	-0.99	0.44
11,503.00	88.90	358.80	10,578.77	996.51	143.07	1,000.32	2.22	-2.20	0.33
11,593.00	89.70	359.00	10,579.87	1,086.49	141.34	1,090.20	0.92	0.89	0.22
11,684.00	90.50	358.90	10,579.71	1,177.47	139.68	1,181.09	0.89	0.88	-0.11
11,775.00	87.80	359.50	10,581.06	1,268.44	138.41	1,271.99	3.04	-2.97	0.66
11,866.00	88.90	0.30	10,583.68	1,359.40	138.25	1,362.90	1.49	1.21	0.88
11,957.00	89.80	1.00	10,584.71	1,450.39	139.28	1,453.88	1.25	0.99	0.77
12,048.00	90.00	0.90	10,584.87	1,541.38	140.79	1,544.87	0.25	0.22	-0.11
12,138.00	91.10	1.70	10,584.01	1,631.35	142.83	1,634.87	1.51	1.22	0.89
12,230.00	91.00	1.40	10,582.32	1,723.30	145.32	1,726.85	0.34	-0.11	-0.33
12,321.00	90.20	1.20	10,581.37	1,814.27	147.38	1,817.84	0.91	-0.88	-0.22
12,412.00	90.80	1.80	10,580.57	1,905.23	149.77	1,908.84	0.93	0.66	0.66
12,502.00	91.40	1.80	10,578.85	1,995.17	152.59	1,998.82	0.67	0.67	0.00
12,593.00	90.30	359.50	10,577.50	2,086.15	153.62	2,089.79	2.80	-1.21	-2.53
12,684.00	90.10	359.10	10,577.18	2,177.14	152.51	2,180.71	0.49	-0.22	-0.44
12,775.00	90.20	358.80	10,576.94	2,268.12	150.84	2,271.60	0.35	0.11	-0.33
12,866.00	90.70	358.30	10,576.23	2,359.09	148.54	2,362.46	0.78	0.55	-0.55
12,957.00	90.90	357.70	10,574.96	2,450.03	145.37	2,453.26	0.69	0.22	-0.66
13,048.00	90.80	357.80	10,573.61	2,540.95	141.79	2,544.04	0.16	-0.11	0.11
13,140.00	89.70	358.30	10,573.20	2,632.89	138.66	2,635.85	1.31	-1.20	0.54
13,231.00	90.90	358.30	10,572.73	2,723.85	135.96	2,726.68	1.32	1.32	0.00
13,321.00	90.60	358.80	10,571.55	2,813.81	133.69	2,816.54	0.65	-0.33	0.56
13,413.00	89.00	359.50	10,571.87	2,905.80	132.32	2,908.44	1.90	-1.74	0.76
13,503.00	89.40	359.50	10,573.13	2,995.78	131.54	2,998.37	0.44	0.44	0.00
13,594.00	88.40	358.40	10,574.87	3,086.75	129.87	3,089.24	1.63	-1.10	-1.21
13,685.00	88.40	358.50	10,577.41	3,177.68	127.41	3,180.06	0.11	0.00	0.11
13,777.00	88.90	359.10	10,579.58	3,269.63	125.48	3,271.92	0.85	0.54	0.65
13,868.00	89.10	0.20	10,581.17	3,360.62	124.93	3,362.84	1.23	0.22	1.21
13,959.00	89.00	0.20	10,582.68	3,451.60	125.25	3,453.80	0.11	-0.11	0.00

Company: WPX Energy
Project: Eddy County, New Mexico (NAD 83)
Site: North Brushy Draw Federal 35
Well: 5H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well 5H
TVD Reference: WELL @ 3022.00usft (Orion Phoenix)
MD Reference: WELL @ 3022.00usft (Orion Phoenix)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM Conroe

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,050.00	89.30	0.30	10,584.03	3,542.59	125.64	3,544.76	0.35	0.33	0.11
14,141.00	91.00	0.60	10,583.79	3,633.59	126.36	3,635.74	1.90	1.87	0.33
14,232.00	91.00	359.90	10,582.20	3,724.57	126.75	3,726.69	0.77	0.00	-0.77
14,323.00	93.20	0.70	10,578.87	3,815.50	127.23	3,817.60	2.57	2.42	0.88
14,414.00	91.60	0.30	10,575.06	3,906.42	128.02	3,908.50	1.81	-1.76	-0.44
14,505.00	89.10	0.30	10,574.50	3,997.41	128.50	3,999.46	2.75	-2.75	0.00
14,596.00	88.90	0.10	10,576.09	4,088.39	128.82	4,090.41	0.31	-0.22	-0.22
14,687.00	88.10	359.80	10,578.47	4,179.36	128.74	4,181.34	0.94	-0.88	-0.33
14,778.00	89.60	359.80	10,580.30	4,270.34	128.42	4,272.27	1.65	1.65	0.00
14,869.00	86.50	359.10	10,583.39	4,361.27	127.55	4,363.13	3.49	-3.41	-0.77
14,960.00	89.20	0.40	10,586.81	4,452.19	127.15	4,454.01	3.29	2.97	1.43
15,051.00	89.70	0.70	10,587.68	4,543.19	128.03	4,544.98	0.64	0.55	0.33
15,142.00	90.40	1.00	10,587.60	4,634.18	129.38	4,635.97	0.84	0.77	0.33
15,233.00	88.00	359.10	10,588.87	4,725.16	129.45	4,726.92	3.36	-2.64	-2.09
15,312.37	88.70	359.19	10,591.16	4,804.48	128.27	4,806.17	0.89	0.88	0.11
LTP - 15312.37' MD									
15,324.00	88.80	359.20	10,591.41	4,816.11	128.11	4,817.79	0.89	0.88	0.11
15,411.00	89.00	359.20	10,593.08	4,903.08	126.89	4,904.69	0.23	0.23	0.00
Projection to TD - 15411.00' MD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,170.12	10,157.00	-138.38	158.41	Wolfcamp POP - 10170.12' MD
10,648.86	10,514.55	155.40	177.02	FTP - 10648.86' MD
15,312.37	10,591.16	4,804.48	128.27	LTP - 15312.37' MD
15,411.00	10,593.08	4,903.08	126.89	Projection to TD - 15411.00' MD