

gyro/data

Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

CONFIDENTIAL

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 09 2016

RECEIVED

I, Jonathan Hadash, certify that; I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Magnetic While Drilling survey from a depth of 154 feet to a depth of 13536 feet conducted on the day(s) of 05/21/17 through 06/19/17; that this survey was conducted at the request of WPX ENERGY for the RDX FEDERAL Well 17-35H API No. 30-015-43884 in EDDY COUNTY NM; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc.; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.



Jonathan Hadash
Operations Coordinator



Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

November 2, 2017

RE:
WPX ENERGY
RDX FEDERAL 17-35H
ORION PEGASUS
Eddy County, NM
API No. 30-015-43884

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc (P-5 No. 339711). Other information required by your office is as follows:

Name & Title Of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Kyle Tyson	Original Hole	154' -13536'	05/21/17-06/19/17	Magnetic Measurement While Drilling

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in the case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

A handwritten signature in black ink, appearing to read "Cindy Watson", with a stylized flourish at the end.

Cindy Watson
Operations Assistant

Enclosure

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

WPX ENERGY

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole
Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

Run Date: 21 May 2017 to 02 Nov 2017

Report Generated: 02 Nov 2017 09:50

Surveyor: Kyle Tyson

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.049280 deg. N

Longitude: 103.909730 deg. E

Grid Convergence: -0.8900 deg

Magnetic Declination: 6.9800 deg

Total Correction: 7.8700 deg to Grid North

Proposed Well Direction: 179.850 deg

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 22.00

Ground Elevation (Ground to MSL / MSL to Mudline): 3073.00

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodatta Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH	INCL	AZIMUTH	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	COORDINATES
feet	deg.	deg.	feet	deg./100 ft.	feet	feet deg.	feet
0.00	0.00	0.00	0.0	0.00	0.00	0.0 0.0	0.00 N 0.00 E

154.0 FT. to 13536.0 FT. MAGNETIC MEASUREMENT WHILE DRILLING SURVEY
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO ORION PEGASUS 9

154.00	0.58	277.30	-0.1	0.38	154.00	0.8 277.3	0.10 N 0.77 W
245.00	0.78	286.10	-0.3	0.25	244.99	1.9 280.2	0.33 N 1.83 W
335.00	0.80	274.40	-0.6	0.18	334.98	3.1 280.2	0.55 N 3.04 W
431.00	0.49	264.76	-0.6	0.34	430.98	4.2 277.8	0.56 N 4.12 W
522.00	0.45	242.06	-0.4	0.21	521.97	4.8 274.3	0.36 N 4.82 W
613.00	0.45	179.80	0.1	0.51	612.97	5.1 268.1	0.17 S 5.13 W
705.00	0.40	212.15	0.8	0.26	704.97	5.4 261.4	0.80 S 5.30 W
797.00	0.15	135.06	1.1	0.43	796.97	5.5 257.9	1.16 S 5.39 W
888.00	0.26	135.79	1.4	0.12	887.97	5.3 254.9	1.39 S 5.16 W
980.00	0.84	131.38	2.0	0.63	979.96	4.9 246.3	1.98 S 4.51 W

END 17.5 INCH HOLE SECTION
START 12.25 INCH HOLE SECTION

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1069.00	1.01	111.14	2.7	0.41	1068.95	4.3 230.6	2.70 S 3.29 W
1160.00	1.08	88.92	3.0	0.45	1159.94	3.4 209.5	2.97 S 1.68 W
1251.00	0.80	99.73	3.1	0.36	1250.92	3.1 183.7	3.06 S 0.20 W
1342.00	0.52	55.61	2.9	0.61	1341.92	3.0 165.4	2.94 S 0.77 E
1434.00	0.85	67.34	2.4	0.39	1433.91	3.0 144.5	2.44 S 1.74 E
1525.00	0.71	50.34	1.8	0.30	1524.90	3.3 123.0	1.82 S 2.80 E
1616.00	0.57	71.61	1.3	0.30	1615.90	3.9 109.8	1.32 S 3.66 E
1707.00	0.50	34.47	0.9	0.38	1706.89	4.4 101.1	0.85 S 4.32 E
1802.00	0.15	58.07	0.5	0.39	1801.89	4.7 95.4	0.44 S 4.66 E
1896.00	0.45	143.35	0.7	0.49	1895.89	5.0 97.7	0.67 S 4.98 E
1991.00	1.33	245.98	1.4	1.57	1990.88	4.4 108.7	1.42 S 4.20 E
2086.00	2.72	255.71	2.4	1.50	2085.82	2.6 157.5	2.42 S 1.00 E
2181.00	3.23	257.35	3.6	0.54	2180.69	5.2 226.8	3.57 S 3.79 W
2275.00	4.13	267.03	4.3	1.16	2274.50	10.7 246.1	4.32 S 9.76 W
2370.00	3.73	263.54	4.8	0.49	2369.28	16.9 253.4	4.85 S 16.24 W
2465.00	3.48	263.28	5.5	0.26	2464.09	22.9 256.0	5.53 S 22.18 W
2560.00	3.22	263.12	6.1	0.27	2558.92	28.4 257.4	6.19 S 27.69 W
2655.00	4.11	271.92	6.3	1.11	2653.73	34.3 259.3	6.39 S 33.74 W
2750.00	3.82	274.03	6.0	0.34	2748.50	40.8 261.5	6.06 S 40.30 W
2845.00	3.02	264.54	6.0	1.03	2843.33	46.3 262.5	6.07 S 45.95 W
2940.00	3.55	268.30	6.3	0.60	2938.18	51.8 262.9	6.40 S 51.38 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3035.00	4.55	284.42	5.4	1.59	3032.94	58.2 264.5	5.55 S 57.97 W
3129.00	4.82	289.74	3.1	0.54	3126.63	65.4 267.1	3.28 S 65.30 W
3225.00	4.56	293.53	0.2	0.42	3222.31	72.6 269.7	0.40 S 72.59 W
3320.00	5.39	298.34	-3.4	0.98	3316.95	80.0 272.3	3.23 N 79.98 W
3355.00	5.23	295.03	-4.9	0.99	3351.80	83.0 273.2	4.68 N 82.87 W

END 12.25 INCH HOLE SECTION START 8.75 INCH HOLE SECTION

3449.00	4.73	295.21	-8.4	0.53	3445.44	90.6 275.2	8.15 N 90.26 W
3496.00	4.74	295.86	-10.1	0.12	3492.28	94.3 276.0	9.82 N 93.76 W
3591.00	5.21	301.17	-14.0	0.69	3586.93	101.9 277.8	13.76 N 100.99 W
3685.00	6.30	286.25	-17.7	1.96	3680.46	111.0 279.0	17.42 N 109.59 W
3778.00	6.58	284.95	-20.5	0.34	3772.87	121.3 279.6	20.22 N 119.64 W
3871.00	6.43	291.59	-23.9	0.82	3865.27	131.7 280.3	23.51 N 129.63 W
3965.00	6.71	298.22	-28.4	0.86	3958.66	142.2 281.4	28.04 N 139.36 W
4058.00	6.59	294.81	-33.2	0.44	4051.03	152.6 282.4	32.85 N 148.99 W
4152.00	6.49	293.94	-37.7	0.15	4144.42	163.1 283.2	37.27 N 158.74 W
4246.00	6.75	293.70	-42.1	0.28	4237.79	173.7 283.9	41.65 N 168.66 W
4340.00	6.49	292.83	-46.4	0.30	4331.16	184.4 284.4	45.93 N 178.61 W
4434.00	6.01	292.63	-50.4	0.51	4424.61	194.6 284.9	49.88 N 188.05 W
4528.00	6.21	292.29	-54.2	0.22	4518.07	204.5 285.2	53.70 N 197.30 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4622.00	6.12	292.87	-58.1	0.12	4611.53	214.5 285.6	57.58 N 206.62 W
4716.00	6.13	292.98	-62.0	0.02	4704.99	224.4 285.9	61.49 N 215.85 W
4810.00	6.27	293.48	-66.1	0.16	4798.44	234.5 286.2	65.49 N 225.18 W
4903.00	6.14	293.44	-70.1	0.14	4890.90	244.5 286.5	69.49 N 234.40 W
4998.00	6.14	294.95	-74.3	0.17	4985.35	254.6 286.8	73.66 N 243.67 W
5092.00	5.94	293.67	-78.4	0.26	5078.83	264.4 287.1	77.73 N 252.68 W
5185.00	5.42	292.14	-82.0	0.58	5171.37	273.5 287.3	81.32 N 261.16 W
5279.00	5.18	290.94	-85.2	0.28	5264.97	282.2 287.4	84.51 N 269.24 W
5372.00	5.57	293.03	-88.5	0.47	5357.56	290.9 287.6	87.77 N 277.31 W
5466.00	5.76	292.97	-92.2	0.20	5451.10	300.1 287.7	91.40 N 285.85 W
5559.00	5.64	291.81	-95.7	0.18	5543.64	309.3 287.9	94.92 N 294.39 W
5653.00	5.48	291.06	-99.0	0.19	5637.20	318.4 288.0	98.25 N 302.87 W
5747.00	4.93	292.15	-102.2	0.59	5730.81	326.9 288.1	101.38 N 310.80 W
5840.00	4.21	289.78	-104.9	0.80	5823.52	334.3 288.1	104.05 N 317.71 W
5934.00	4.02	284.76	-106.9	0.43	5917.27	341.1 288.1	106.05 N 324.14 W
6027.00	3.87	283.18	-108.5	0.20	6010.05	347.4 288.0	107.60 N 330.35 W
6121.00	3.76	279.94	-109.7	0.26	6103.85	353.6 287.9	108.85 N 336.48 W
6215.00	3.79	278.68	-110.8	0.09	6197.64	359.8 287.8	109.85 N 342.58 W
6309.00	3.51	273.82	-111.4	0.44	6291.45	365.6 287.6	110.52 N 348.53 W
6403.00	3.39	270.74	-111.7	0.23	6385.28	371.1 287.4	110.74 N 354.18 W
6497.00	3.09	268.33	-111.7	0.35	6479.13	376.1 287.1	110.70 N 359.49 W
6587.36	3.53	271.31	-111.7	0.52	6569.34	381.1 286.9	110.70 N 364.70 W

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WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6684.00	3.25	269.64	-111.7	0.31	6665.81	386.6 286.6	110.75 N 370.42 W
6777.00	2.74	287.37	-112.4	1.13	6758.69	391.4 286.5	111.40 N 375.17 W
6871.00	2.45	290.18	-113.8	0.34	6852.59	395.6 286.6	112.76 N 379.20 W
6964.00	2.14	288.95	-115.0	0.34	6945.51	399.3 286.6	114.01 N 382.71 W
7058.00	1.92	283.45	-116.0	0.31	7039.46	402.7 286.6	114.94 N 385.90 W
7152.00	1.78	279.36	-116.6	0.20	7133.41	405.7 286.5	115.55 N 388.88 W
7245.00	2.06	257.08	-116.4	0.85	7226.36	408.6 286.4	115.41 N 391.93 W
7338.00	2.18	241.38	-115.2	0.64	7319.29	411.3 286.1	114.19 N 395.11 W
7431.00	2.05	259.71	-114.1	0.74	7412.23	414.0 285.8	113.04 N 398.30 W
7525.00	1.65	284.05	-114.1	0.93	7506.18	416.9 285.7	113.07 N 401.27 W
7618.00	1.32	284.57	-114.7	0.36	7599.15	419.3 285.7	113.67 N 403.60 W
7712.00	1.47	286.83	-115.3	0.17	7693.12	421.6 285.7	114.29 N 405.81 W
7805.00	1.65	283.60	-116.0	0.22	7786.09	424.1 285.7	114.95 N 408.25 W
7899.00	0.76	248.04	-116.1	1.19	7880.07	426.0 285.7	115.03 N 410.14 W
7992.00	0.47	193.46	-115.5	0.67	7973.06	426.4 285.6	114.43 N 410.80 W
8086.00	0.27	151.38	-114.9	0.35	8067.06	426.3 285.5	113.86 N 410.79 W
8180.00	0.29	241.53	-114.6	0.42	8161.06	426.3 285.4	113.55 N 410.89 W
8274.00	0.32	143.72	-114.3	0.49	8255.06	426.3 285.4	113.23 N 410.94 W
8368.00	0.62	138.02	-113.7	0.32	8349.06	425.6 285.3	112.64 N 410.45 W
8462.00	0.58	130.29	-113.0	0.10	8443.05	424.8 285.3	111.95 N 409.75 W
8556.00	0.38	233.36	-112.5	0.81	8537.05	424.5 285.2	111.46 N 409.63 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
8649.00	0.46	311.32	-112.6	0.57	8630.05	425.1 285.2	111.52 N 410.16 W
8743.00	0.70	115.64	-112.6	1.22	8724.05	424.8 285.2	111.52 N 409.93 W
8836.00	1.52	134.14	-111.5	0.95	8817.03	423.2 285.1	110.42 N 408.53 W
8931.00	2.00	141.98	-109.3	0.56	8911.98	420.8 284.9	108.24 N 406.60 W
9025.00	1.85	138.72	-106.9	0.20	9005.93	418.2 284.7	105.80 N 404.59 W
9118.00	1.95	168.18	-104.2	1.04	9098.88	416.3 284.3	103.13 N 403.28 W
9212.00	1.83	182.85	-101.1	0.53	9192.83	415.3 283.9	100.06 N 403.03 W
9305.00	0.83	226.93	-99.2	1.46	9285.81	415.3 283.7	98.12 N 403.59 W
9398.00	1.44	250.19	-98.3	0.81	9378.79	416.7 283.5	97.26 N 405.18 W
9492.00	1.44	230.40	-97.2	0.53	9472.76	418.4 283.3	96.11 N 407.20 W
9586.00	0.73	332.62	-97.0	1.86	9566.75	419.5 283.2	95.89 N 408.39 W
9680.00	0.57	330.85	-97.9	0.17	9660.74	420.2 283.3	96.83 N 408.89 W
9774.00	1.13	13.33	-99.2	0.86	9754.73	420.5 283.5	98.14 N 408.91 W
9867.00	0.64	356.76	-100.6	0.59	9847.72	420.7 283.7	99.55 N 408.72 W
9961.00	0.53	305.76	-101.4	0.55	9941.72	421.2 283.8	100.33 N 409.11 W
10054.00	0.50	6.30	-102.1	0.56	10034.71	421.7 283.9	100.98 N 409.41 W
10147.00	0.50	292.93	-102.6	0.64	10127.71	422.1 283.9	101.54 N 409.74 W
10240.00	0.90	258.95	-102.6	0.60	10220.70	423.2 283.9	101.56 N 410.83 W
10334.00	0.84	240.71	-102.2	0.30	10314.69	424.4 283.8	101.08 N 412.16 W
10428.00	1.06	227.90	-101.3	0.32	10408.68	425.4 283.6	100.16 N 413.40 W
10522.00	1.20	214.32	-99.8	0.32	10502.66	426.2 283.4	98.77 N 414.60 W
10616.00	0.48	299.98	-99.2	1.34	10596.65	426.9 283.3	98.15 N 415.50 W

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WPX Energy

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Job Number: FD0517DPM127

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
10709.00	0.49	243.90	-99.3	0.49	10689.65	427.6 283.3	98.17 N 416.19 W
10803.00	1.49	205.48	-98.0	1.22	10783.64	428.2 283.1	96.89 N 417.08 W
10897.00	1.74	215.15	-95.7	0.39	10877.60	429.0 282.7	94.62 N 418.43 W
10908.00	1.75	215.63	-95.4	0.16	10888.59	429.1 282.7	94.35 N 418.62 W
11002.00	6.44	156.33	-89.4	6.11	10982.35	426.6 282.0	88.35 N 417.34 W
11096.00	18.01	159.69	-70.9	12.33	11074.07	416.1 279.7	69.83 N 410.16 W
11190.00	28.32	167.16	-35.4	11.38	11160.39	401.6 274.9	34.36 N 400.13 W
11284.00	39.81	170.73	16.2	12.40	11238.14	390.7 267.5	17.26 S 390.29 W
11377.00	48.38	176.43	80.5	10.15	11304.89	391.9 258.0	81.48 S 383.32 W
11471.00	54.03	181.08	153.7	7.14	11363.78	412.0 247.9	154.66 S 381.84 W
11564.00	61.00	178.85	232.1	7.76	11413.71	447.3 238.6	233.05 S 381.74 W
11626.00	67.34	177.47	287.8	10.42	11440.71	477.2 232.8	288.80 S 379.93 W
END 8.75 INCH HOLE SECTION							
START 6.125 INCH HOLE SECTION							
11680.00	70.34	179.04	338.1	6.18	11460.20	508.1 228.1	339.13 S 378.40 W
11754.00	73.33	180.00	408.4	4.22	11483.26	557.1 222.7	409.43 S 377.82 W
11848.00	79.66	175.42	499.7	8.23	11505.22	625.0 216.8	500.68 S 374.12 W
11941.00	87.49	172.43	591.5	9.00	11515.62	695.5 211.6	592.49 S 364.33 W
12035.00	92.62	170.75	684.5	5.74	11515.53	769.9 207.1	685.45 S 350.59 W
12127.00	90.46	172.57	775.5	3.07	11513.06	846.5 203.5	776.43 S 337.25 W
12221.00	89.82	179.67	869.3	7.58	11512.83	930.9 200.8	870.16 S 330.89 W

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WPX Energy

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Job Number: FD0517DPM127

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
12315.00	90.60	184.86	963.2	5.58	11512.48	1020.5 199.1	964.05 S 334.61 W
12409.00	90.83	180.20	1057.0	4.96	11511.31	1110.8 197.8	1057.93 S 338.75 W
12503.00	89.90	177.20	1151.0	3.34	11510.71	1200.1 196.3	1151.89 S 336.62 W
12597.00	90.18	178.81	1245.0	1.74	11510.64	1289.7 195.0	1245.83 S 333.35 W
12690.00	92.65	180.33	1337.9	3.12	11508.35	1379.5 194.0	1338.79 S 332.65 W
12784.00	91.61	181.25	1431.8	1.48	11504.85	1471.1 193.1	1432.71 S 333.95 W
12878.00	90.15	184.38	1525.7	3.67	11503.41	1563.7 192.5	1526.57 S 338.56 W
12973.00	88.78	184.82	1620.3	1.51	11504.29	1657.8 192.1	1621.26 S 346.18 W
13067.00	90.69	186.83	1713.8	2.95	11504.73	1751.3 191.7	1714.76 S 355.72 W
13160.00	88.64	187.21	1806.1	2.24	11505.27	1844.0 191.5	1807.06 S 367.08 W
13254.00	88.59	187.19	1899.3	0.06	11507.55	1937.7 191.3	1900.29 S 378.86 W
13347.00	88.34	187.60	1991.5	0.52	11510.04	2030.5 191.1	1992.49 S 390.83 W
13442.00	90.52	185.75	2085.8	3.01	11510.98	2125.2 190.9	2086.83 S 401.87 W
13536.00	92.81	185.80	2179.2	2.44	11508.25	2218.8 190.7	2180.30 S 411.32 W

PROJECTION TO BIT

13591.00	92.81	185.80	2233.9	0.00	11505.55	2273.5 190.6	2234.96 S 416.87 W
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Final Station Closure: Distance: 2273.50 ft Az: 190.57 deg.

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
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Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

I, Jonathan Hadash, certify that; I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Magnetic While Drilling survey from a depth of 154 feet to a depth of 16169 feet conducted on the day(s) of 05/21/17 through 06/19/17; that this survey was conducted at the request of WPX ENERGY for the RDX FEDERAL Well 17-35H API No. 30-015-43884 in EDDY COUNTY, NM that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc.; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.

A handwritten signature in black ink, appearing to read "Jonathan Hadash", written over a horizontal line.

Jonathan Hadash
Operations Coordinator



Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

November 2, 2017

RE:
WPX ENERGY
RDX FEDERAL 17-35H
ORION PEGASUS
EDDY COUNTY, NM
API No. 30-015-43884

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc (P-5 No. 339711). Other information required by your office is as follows:

Name & Title Of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Kyle Tyson	Original Hole	154' -16169'	05/21/17-06/19/17	Magnetic Measurement While Drilling

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in the case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Watson", with a stylized flourish at the end.

Cindy Watson
Operations Assistant

Enclosure

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

WPX ENERGY

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

Run Date: 21 May 2017 to 19 Jun 2017

Report Generated: 02 Nov 2017 09:13

Surveyor: Kyle Tyson

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.049280 deg. N

Longitude: 103.909730 deg. E

Grid Convergence: -0.8900 deg

Magnetic Declination: 6.9800 deg

Total Correction: 7.8700 deg to Grid North

Proposed Well Direction: 179.850 deg

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 22.00

Ground Elevation (Ground to MSL / MSL to Mudline): 3073.00

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL	AZIMUTH	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	AZIMUTH	HORIZONTAL COORDINATES
feet	deg.	deg.	feet	deg./100 ft.	feet	feet	deg.	feet
0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.0	0.00 N 0.00 E

154.0 FT. to 16169.0 FT. MAGNETIC MEASUREMENT WHILE DRILLING SURVEY
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO ORION PEGASUS 9

154.00	0.58	277.30	-0.1	0.38	154.00	0.8	277.3	0.10 N 0.77 W
245.00	0.78	286.10	-0.3	0.25	244.99	1.9	280.2	0.33 N 1.83 W
335.00	0.80	274.40	-0.6	0.18	334.98	3.1	280.2	0.55 N 3.04 W
431.00	0.49	264.76	-0.6	0.34	430.98	4.2	277.8	0.56 N 4.12 W
522.00	0.45	242.06	-0.4	0.21	521.97	4.8	274.3	0.36 N 4.82 W
613.00	0.45	179.80	0.1	0.51	612.97	5.1	268.1	0.17 S 5.13 W
705.00	0.40	212.15	0.8	0.26	704.97	5.4	261.4	0.80 S 5.30 W
797.00	0.15	135.06	1.1	0.43	796.97	5.5	257.9	1.16 S 5.39 W
888.00	0.26	135.79	1.4	0.12	887.97	5.3	254.9	1.39 S 5.16 W
980.00	0.84	131.38	2.0	0.63	979.96	4.9	246.3	1.98 S 4.51 W

END 17.5 INCH HOLE SECTION
START 12.25 INCH HOLE SECTION

1069.00	1.01	111.14	2.7	0.41	1068.95	4.3	230.6	2.70 S 3.29 W
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A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1160.00	1.08	88.92	3.0	0.45	1159.94	3.4 209.5	2.97 S 1.68 W
1251.00	0.80	99.73	3.1	0.36	1250.92	3.1 183.7	3.06 S 0.20 W
1342.00	0.52	55.61	2.9	0.61	1341.92	3.0 165.4	2.94 S 0.77 E
1434.00	0.85	67.34	2.4	0.39	1433.91	3.0 144.5	2.44 S 1.74 E
1525.00	0.71	50.34	1.8	0.30	1524.90	3.3 123.0	1.82 S 2.80 E
1616.00	0.57	71.61	1.3	0.30	1615.90	3.9 109.8	1.32 S 3.66 E
1707.00	0.50	34.47	0.9	0.38	1706.89	4.4 101.1	0.85 S 4.32 E
1802.00	0.15	58.07	0.5	0.39	1801.89	4.7 95.4	0.44 S 4.66 E
1896.00	0.45	143.35	0.7	0.49	1895.89	5.0 97.7	0.67 S 4.98 E
1991.00	1.33	245.98	1.4	1.57	1990.88	4.4 108.7	1.42 S 4.20 E
2086.00	2.72	255.71	2.4	1.50	2085.82	2.6 157.5	2.42 S 1.00 E
2181.00	3.23	257.35	3.6	0.54	2180.69	5.2 226.8	3.57 S 3.79 W
2275.00	4.13	267.03	4.3	1.16	2274.50	10.7 246.1	4.32 S 9.76 W
2370.00	3.73	263.54	4.8	0.49	2369.28	16.9 253.4	4.85 S 16.24 W
2465.00	3.48	263.28	5.5	0.26	2464.09	22.9 256.0	5.53 S 22.18 W
2560.00	3.22	263.12	6.1	0.27	2558.92	28.4 257.4	6.19 S 27.69 W
2655.00	4.11	271.92	6.3	1.11	2653.73	34.3 259.3	6.39 S 33.74 W
2750.00	3.82	274.03	6.0	0.34	2748.50	40.8 261.5	6.06 S 40.30 W
2845.00	3.02	264.54	6.0	1.03	2843.33	46.3 262.5	6.07 S 45.95 W
2940.00	3.55	268.30	6.3	0.60	2938.18	51.8 262.9	6.40 S 51.38 W
3035.00	4.55	284.42	5.4	1.59	3032.94	58.2 264.5	5.55 S 57.97 W
3129.00	4.82	289.74	3.1	0.54	3126.63	65.4 267.1	3.28 S 65.30 W

A Gyrodatta Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3225.00	4.56	293.53	0.2	0.42	3222.31	72.6 269.7	0.40 S 72.59 W
3320.00	5.39	298.34	-3.4	0.98	3316.95	80.0 272.3	3.23 N 79.98 W
3355.00	5.23	295.03	-4.9	0.99	3351.80	83.0 273.2	4.68 N 82.87 W
END 12.25 INCH HOLE SECTION							
START 8.75 INCH HOLE SECTION							
3449.00	4.73	295.21	-8.4	0.53	3445.44	90.6 275.2	8.15 N 90.26 W
3496.00	4.74	295.86	-10.1	0.12	3492.28	94.3 276.0	9.82 N 93.76 W
3591.00	5.21	301.17	-14.0	0.69	3586.93	101.9 277.8	13.76 N 100.99 W
3685.00	6.30	286.25	-17.7	1.96	3680.46	111.0 279.0	17.42 N 109.59 W
3778.00	6.58	284.95	-20.5	0.34	3772.87	121.3 279.6	20.22 N 119.64 W
3871.00	6.43	291.59	-23.9	0.82	3865.27	131.7 280.3	23.51 N 129.63 W
3965.00	6.71	298.22	-28.4	0.86	3958.66	142.2 281.4	28.04 N 139.36 W
4058.00	6.59	294.81	-33.2	0.44	4051.03	152.6 282.4	32.85 N 148.99 W
4152.00	6.49	293.94	-37.7	0.15	4144.42	163.1 283.2	37.27 N 158.74 W
4246.00	6.75	293.70	-42.1	0.28	4237.79	173.7 283.9	41.65 N 168.66 W
4340.00	6.49	292.83	-46.4	0.30	4331.16	184.4 284.4	45.93 N 178.61 W
4434.00	6.01	292.63	-50.4	0.51	4424.61	194.6 284.9	49.88 N 188.05 W
4528.00	6.21	292.29	-54.2	0.22	4518.07	204.5 285.2	53.70 N 197.30 W
4622.00	6.12	292.87	-58.1	0.12	4611.53	214.5 285.6	57.58 N 206.62 W
4716.00	6.13	292.98	-62.0	0.02	4704.99	224.4 285.9	61.49 N 215.85 W
4810.00	6.27	293.48	-66.1	0.16	4798.44	234.5 286.2	65.49 N 225.18 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4903.00	6.14	293.44	-70.1	0.14	4890.90	244.5 286.5	69.49 N 234.40 W
4998.00	6.14	294.95	-74.3	0.17	4985.35	254.6 286.8	73.66 N 243.67 W
5092.00	5.94	293.67	-78.4	0.26	5078.83	264.4 287.1	77.73 N 252.68 W
5185.00	5.42	292.14	-82.0	0.58	5171.37	273.5 287.3	81.32 N 261.16 W
5279.00	5.18	290.94	-85.2	0.28	5264.97	282.2 287.4	84.51 N 269.24 W
5372.00	5.57	293.03	-88.5	0.47	5357.56	290.9 287.6	87.77 N 277.31 W
5466.00	5.76	292.97	-92.2	0.20	5451.10	300.1 287.7	91.40 N 285.85 W
5559.00	5.64	291.81	-95.7	0.18	5543.64	309.3 287.9	94.92 N 294.39 W
5653.00	5.48	291.06	-99.0	0.19	5637.20	318.4 288.0	98.25 N 302.87 W
5747.00	4.93	292.15	-102.2	0.59	5730.81	326.9 288.1	101.38 N 310.80 W
5840.00	4.21	289.78	-104.9	0.80	5823.52	334.3 288.1	104.05 N 317.71 W
5934.00	4.02	284.76	-106.9	0.43	5917.27	341.1 288.1	106.05 N 324.14 W
6027.00	3.87	283.18	-108.5	0.20	6010.05	347.4 288.0	107.60 N 330.35 W
6121.00	3.76	279.94	-109.7	0.26	6103.85	353.6 287.9	108.85 N 336.48 W
6215.00	3.79	278.68	-110.8	0.09	6197.64	359.8 287.8	109.85 N 342.58 W
6309.00	3.51	273.82	-111.4	0.44	6291.45	365.6 287.6	110.52 N 348.53 W
6403.00	3.39	270.74	-111.7	0.23	6385.28	371.1 287.4	110.74 N 354.18 W
6497.00	3.09	268.33	-111.7	0.35	6479.13	376.1 287.1	110.70 N 359.49 W
6587.36	3.53	271.31	-111.7	0.52	6569.34	381.1 286.9	110.70 N 364.70 W
6684.00	3.25	269.64	-111.7	0.31	6665.81	386.6 286.6	110.75 N 370.42 W
6777.00	2.74	287.37	-112.4	1.13	6758.69	391.4 286.5	111.40 N 375.17 W

A Gyrodatta Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL	AZIMUTH	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	AZIMUTH	HORIZONTAL COORDINATES
feet	deg.	deg.	feet	deg./100 ft.	feet	feet	deg.	feet
6871.00	2.45	290.18	-113.8	0.34	6852.59	395.6	286.6	112.76 N 379.20 W
6964.00	2.14	288.95	-115.0	0.34	6945.51	399.3	286.6	114.01 N 382.71 W
7058.00	1.92	283.45	-116.0	0.31	7039.46	402.7	286.6	114.94 N 385.90 W
7152.00	1.78	279.36	-116.6	0.20	7133.41	405.7	286.5	115.55 N 388.88 W
7245.00	2.06	257.08	-116.4	0.85	7226.36	408.6	286.4	115.41 N 391.93 W
7338.00	2.18	241.38	-115.2	0.64	7319.29	411.3	286.1	114.19 N 395.11 W
7431.00	2.05	259.71	-114.1	0.74	7412.23	414.0	285.8	113.04 N 398.30 W
7525.00	1.65	284.05	-114.1	0.93	7506.18	416.9	285.7	113.07 N 401.27 W
7618.00	1.32	284.57	-114.7	0.36	7599.15	419.3	285.7	113.67 N 403.60 W
7712.00	1.47	286.83	-115.3	0.17	7693.12	421.6	285.7	114.29 N 405.81 W
7805.00	1.65	283.60	-116.0	0.22	7786.09	424.1	285.7	114.95 N 408.25 W
7899.00	0.76	248.04	-116.1	1.19	7880.07	426.0	285.7	115.03 N 410.14 W
7992.00	0.47	193.46	-115.5	0.67	7973.06	426.4	285.6	114.43 N 410.80 W
8086.00	0.27	151.38	-114.9	0.35	8067.06	426.3	285.5	113.86 N 410.79 W
8180.00	0.29	241.53	-114.6	0.42	8161.06	426.3	285.4	113.55 N 410.89 W
8274.00	0.32	143.72	-114.3	0.49	8255.06	426.3	285.4	113.23 N 410.94 W
8368.00	0.62	138.02	-113.7	0.32	8349.06	425.6	285.3	112.64 N 410.45 W
8462.00	0.58	130.29	-113.0	0.10	8443.05	424.8	285.3	111.95 N 409.75 W
8556.00	0.38	233.36	-112.5	0.81	8537.05	424.5	285.2	111.46 N 409.63 W
8649.00	0.46	311.32	-112.6	0.57	8630.05	425.1	285.2	111.52 N 410.16 W
8743.00	0.70	115.64	-112.6	1.22	8724.05	424.8	285.2	111.52 N 409.93 W
8836.00	1.52	134.14	-111.5	0.95	8817.03	423.2	285.1	110.42 N 408.53 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL	AZIMUTH	VERTICAL SECTION	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	AZIMUTH	HORIZONTAL COORDINATES
feet	deg.	deg.	feet	deg./100 ft.	feet	feet	deg.	feet
8931.00	2.00	141.98	-109.3	0.56	8911.98	420.8	284.9	108.24 N 406.60 W
9025.00	1.85	138.72	-106.9	0.20	9005.93	418.2	284.7	105.80 N 404.59 W
9118.00	1.95	168.18	-104.2	1.04	9098.88	416.3	284.3	103.13 N 403.28 W
9212.00	1.83	182.85	-101.1	0.53	9192.83	415.3	283.9	100.06 N 403.03 W
9305.00	0.83	226.93	-99.2	1.46	9285.81	415.3	283.7	98.12 N 403.59 W
9398.00	1.44	250.19	-98.3	0.81	9378.79	416.7	283.5	97.26 N 405.18 W
9492.00	1.44	230.40	-97.2	0.53	9472.76	418.4	283.3	96.11 N 407.20 W
9586.00	0.73	332.62	-97.0	1.86	9566.75	419.5	283.2	95.89 N 408.39 W
9680.00	0.57	330.85	-97.9	0.17	9660.74	420.2	283.3	96.83 N 408.89 W
9774.00	1.13	13.33	-99.2	0.86	9754.73	420.5	283.5	98.14 N 408.91 W
9867.00	0.64	356.76	-100.6	0.59	9847.72	420.7	283.7	99.55 N 408.72 W
9961.00	0.53	305.76	-101.4	0.55	9941.72	421.2	283.8	100.33 N 409.11 W
10054.00	0.50	6.30	-102.1	0.56	10034.71	421.7	283.9	100.98 N 409.41 W
10147.00	0.50	292.93	-102.6	0.64	10127.71	422.1	283.9	101.54 N 409.74 W
10240.00	0.90	258.95	-102.6	0.60	10220.70	423.2	283.9	101.56 N 410.83 W
10334.00	0.84	240.71	-102.2	0.30	10314.69	424.4	283.8	101.08 N 412.16 W
10428.00	1.06	227.90	-101.3	0.32	10408.68	425.4	283.6	100.16 N 413.40 W
10522.00	1.20	214.32	-99.8	0.32	10502.66	426.2	283.4	98.77 N 414.60 W
10616.00	0.48	299.98	-99.2	1.34	10596.65	426.9	283.3	98.15 N 415.50 W
10709.00	0.49	243.90	-99.3	0.49	10689.65	427.6	283.3	98.17 N 416.19 W
10803.00	1.49	205.48	-98.0	1.22	10783.64	428.2	283.1	96.89 N 417.08 W
10897.00	1.74	215.15	-95.7	0.39	10877.60	429.0	282.7	94.62 N 418.43 W

A Gyrodatta Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
10908.00	1.75	215.63	-95.4	0.16	10888.59	429.1 282.7	94.35 N 418.62 W
11002.00	6.44	156.33	-89.4	6.11	10982.35	426.6 282.0	88.35 N 417.34 W
11096.00	18.01	159.69	-70.9	12.33	11074.07	416.1 279.7	69.83 N 410.16 W
11190.00	28.32	167.16	-35.4	11.38	11160.39	401.6 274.9	34.36 N 400.13 W
11284.00	39.81	170.73	16.2	12.40	11238.14	390.7 267.5	17.26 S 390.29 W
11377.00	48.38	176.43	80.5	10.15	11304.89	391.9 258.0	81.48 S 383.32 W
11471.00	54.03	181.08	153.7	7.14	11363.78	412.0 247.9	154.66 S 381.84 W
11564.00	61.00	178.85	232.1	7.76	11413.71	447.3 238.6	233.05 S 381.74 W
11626.00	67.34	177.47	287.8	10.42	11440.71	477.2 232.8	288.80 S 379.93 W
END 8.75 INCH HOLE SECTION							
START 6.125 INCH HOLE SECTION							
11680.00	70.34	179.04	338.1	6.18	11460.20	508.1 228.1	339.13 S 378.40 W
11754.00	73.33	180.00	408.4	4.22	11483.26	557.1 222.7	409.43 S 377.82 W
11848.00	79.66	175.42	499.7	8.23	11505.22	625.0 216.8	500.68 S 374.12 W
11941.00	87.49	172.43	591.5	9.00	11515.62	695.5 211.6	592.49 S 364.33 W
12035.00	92.62	170.75	684.5	5.74	11515.53	769.9 207.1	685.45 S 350.59 W
12127.00	90.46	172.57	775.5	3.07	11513.06	846.5 203.5	776.43 S 337.25 W
12221.00	89.82	179.67	869.3	7.58	11512.83	930.9 200.8	870.16 S 330.89 W
12315.00	90.60	184.86	963.2	5.58	11512.48	1020.5 199.1	964.05 S 334.61 W
12409.00	90.83	180.20	1057.0	4.96	11511.31	1110.8 197.8	1057.93 S 338.75 W
12503.00	89.90	177.20	1151.0	3.34	11510.71	1200.1 196.3	1151.89 S 336.62 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
12597.00	90.18	178.81	1245.0	1.74	11510.64	1289.7 195.0	1245.83 S 333.35 W
12697.00	89.26	176.00	1344.8	2.96	11511.13	1385.3 193.7	1345.71 S 328.82 W
12785.00	91.47	173.61	1432.5	3.70	11510.57	1468.8 192.6	1433.34 S 320.86 W
12879.00	91.02	175.60	1526.1	2.17	11508.53	1558.4 191.5	1526.90 S 312.02 W
12974.00	91.67	175.35	1620.8	0.73	11506.30	1649.9 190.6	1621.57 S 304.53 W
13067.00	91.86	179.82	1713.6	4.81	11503.43	1740.6 189.9	1714.42 S 300.61 W
13161.00	86.79	180.09	1807.6	5.40	11504.54	1833.2 189.4	1808.38 S 300.54 W
13255.00	89.73	180.88	1901.5	3.24	11507.39	1926.0 189.0	1902.33 S 301.33 W
13348.00	90.60	180.79	1994.5	0.94	11507.13	2018.1 188.6	1995.32 S 302.69 W
13442.00	90.97	178.31	2088.5	2.67	11505.84	2111.0 188.2	2089.30 S 301.95 W
13536.00	91.47	179.45	2182.5	1.32	11503.84	2203.8 187.8	2183.26 S 300.11 W
13630.00	89.04	178.38	2276.4	2.82	11503.42	2296.7 187.5	2277.23 S 298.33 W
13724.00	89.17	182.42	2370.4	4.30	11504.89	2390.0 187.2	2371.20 S 298.99 W
13819.00	89.12	182.69	2465.3	0.29	11506.30	2484.7 187.0	2466.09 S 303.22 W
13914.00	89.79	182.99	2560.2	0.77	11507.21	2579.4 186.9	2560.97 S 307.93 W
14008.00	91.08	183.75	2654.0	1.59	11506.49	2673.2 186.7	2654.80 S 313.46 W
14103.00	89.37	182.80	2748.8	2.06	11506.12	2768.1 186.6	2749.64 S 318.88 W
14198.00	94.55	183.42	2843.6	5.49	11502.87	2862.8 186.5	2844.41 S 324.03 W
14292.00	91.30	182.89	2937.3	3.50	11498.08	2956.5 186.4	2938.14 S 329.20 W
14385.00	89.45	182.84	3030.1	1.99	11497.47	3049.3 186.3	3031.01 S 333.84 W
14480.00	92.00	180.42	3125.1	3.70	11496.27	3144.0 186.1	3125.95 S 336.55 W
14573.00	92.20	182.03	3218.0	1.74	11492.86	3236.6 186.0	3218.87 S 338.53 W

A Gyrodata Directional Survey

WPX Energy

Lease: RDX Federal Well: 17-35H ST01, 17.5", 12.25", 8.75", 6.125" Hole

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

MEASURED DEPTH	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
14667.00	91.89	183.55	3311.8	1.65	11489.50	3330.4 185.9	3312.69 S 343.11 W
14760.00	90.04	183.98	3404.6	2.04	11487.94	3423.3 185.9	3405.47 S 349.21 W
14854.00	91.61	182.66	3498.4	2.18	11486.58	3517.2 185.8	3499.30 S 354.66 W
14948.00	91.58	180.48	3592.3	2.32	11483.97	3610.9 185.7	3593.22 S 357.23 W
15041.00	89.54	182.15	3685.2	2.83	11483.06	3703.7 185.6	3686.19 S 359.36 W
15135.00	91.19	180.38	3779.2	2.57	11482.46	3797.4 185.5	3780.15 S 361.44 W
15228.00	92.37	175.85	3872.1	5.03	11479.57	3889.6 185.3	3873.03 S 358.38 W
15321.00	91.11	175.08	3964.8	1.59	11476.74	3981.2 185.1	3965.70 S 351.03 W
15415.00	89.12	178.42	4058.6	4.14	11476.56	4074.2 184.9	4059.53 S 345.71 W
15509.00	92.03	180.67	4152.6	3.91	11475.61	4167.8 184.7	4153.50 S 344.96 W
15603.00	90.96	181.39	4246.5	1.37	11473.16	4261.6 184.7	4247.45 S 346.65 W
15697.00	85.62	177.53	4340.4	7.01	11475.97	4355.1 184.6	4341.36 S 345.77 W
15791.00	82.55	176.32	4433.8	3.51	11485.65	4447.8 184.4	4434.71 S 340.75 W
15885.00	82.53	175.78	4526.8	0.57	11497.86	4540.0 184.2	4527.69 S 334.33 W
15979.00	83.77	177.06	4620.0	1.89	11509.07	4632.5 184.1	4620.83 S 328.51 W
16075.00	82.59	177.72	4715.2	1.41	11520.47	4727.2 183.9	4716.05 S 324.17 W
16169.00	82.02	177.54	4808.3	0.64	11533.05	4819.8 183.8	4809.13 S 320.32 W

PROJECTION TO BIT

WPX Energy

Location: Orion Pegasus 9, Eddy County, NM

Job Number: FD0517DPM127 ST01

16245.00	82.02	177.54	4883.5	0.00	11543.61	4894.6	183.7	4884.32 S	317.08 W
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Final Station Closure: Distance: 4894.60 ft Az: 183.71 deg.