

EQT PRODUCTION

Ritchie County, WV

PEN54

Well #514477 - Slot 514477

Main Wellbore

Design: 514477 As Drilled Surveys

Standard Survey Report

11 August, 2016

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Environmental Protection

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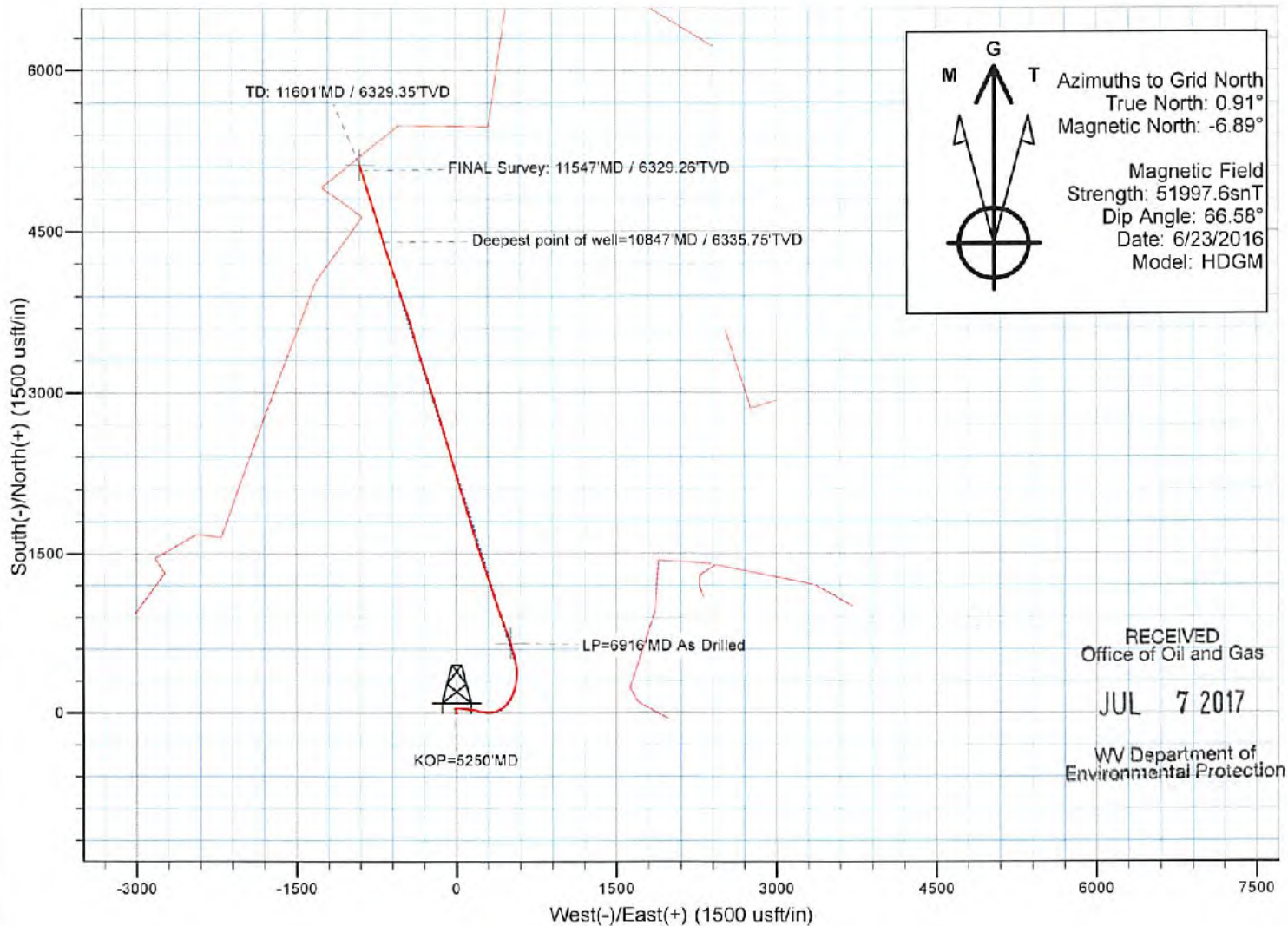
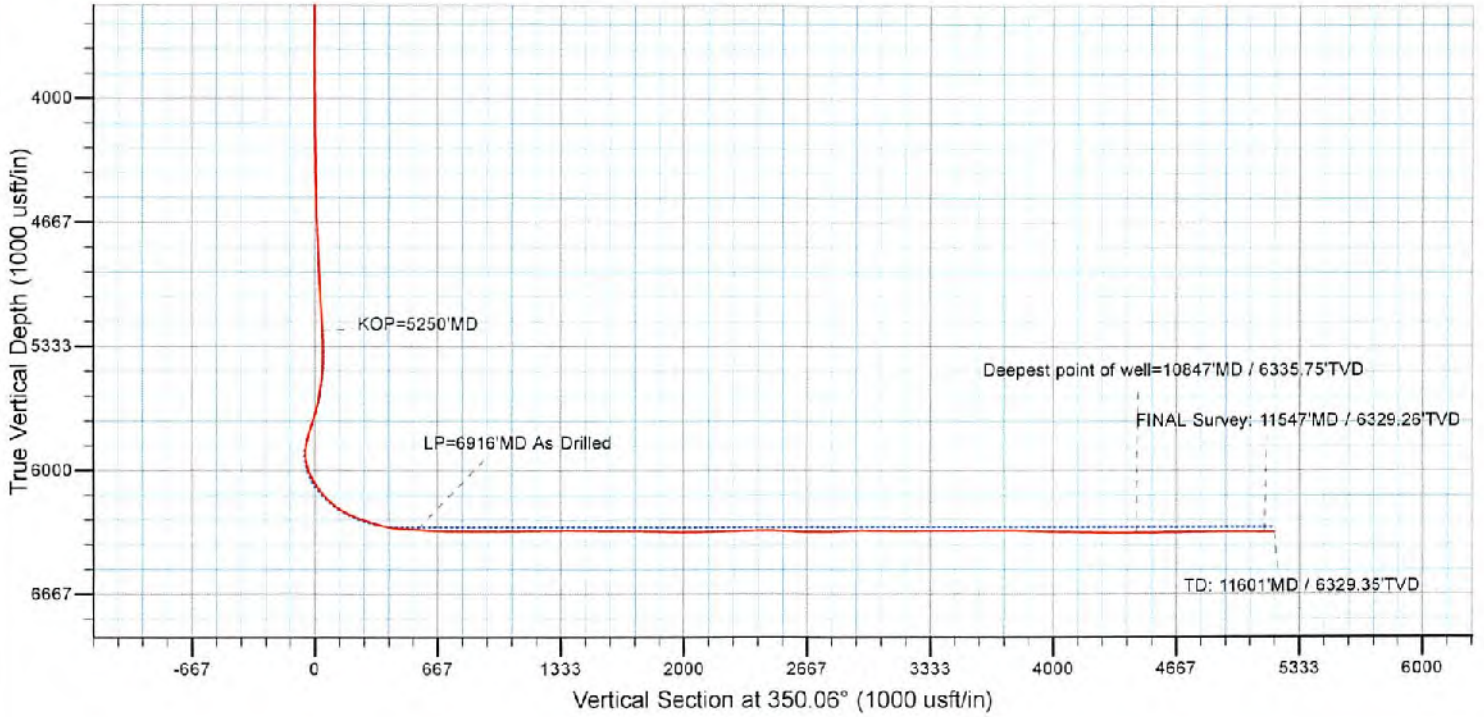


Where energy meets innovation.

Project: Ritchie County, WV
Site: PEN54
Well: Well #514477
Wellbore: Main Wellbore
Design: 514477 As Drilled Surveys



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Environmental Protection

09/15/2017

Survey Report

Company: EQT PRODUCTION	Local Co-ordinate Reference: Well Well #514477 - Slot 514477	
Project: Ritchie County, WV	TVD Reference: KB@23 @ 1039.0usft	
Site: PEN54	MD Reference: KB@23 @ 1039.0usft	
Well: Well #514477	North Reference: Grid	
Wellbore: Main Wellbore	Survey Calculation Method: Minimum Curvature	
Design: 514477 As Drilled Surveys	Database: Well_Planner1	

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Project: Ritchie County, WV	System Datum: Mean Sea Level	
Map System: US State Plane 1927 (Exact solution)		
Geo Datum: NAD 1927 (NADCON CONUS)		
Map Zone: West Virginia North 4701		

WV Department of
Environmental Protection

Site: PEN54					
Site Position:		Northing:	279,215.27 usft	Latitude:	39° 15' 28.054 N
From: Map		Easting:	1,595,775.03 usft	Longitude:	80° 55' 39.233 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.91 °

Well: Well #514477 - Slot 514477					
Well Position		Northing:	279,174.48 usft	Latitude:	39° 15' 27.654 N
	+N-S 0.0 usft	Easting:	1,595,794.06 usft	Longitude:	80° 55' 38.983 W
	+E-W 0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	1,016.0 usft
Position Uncertainty	0.0 usft				

Wellbore: Main Wellbore					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/23/2016	-7.80	66.58	51,998

Design: 514477 As Drilled Surveys					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	350.06	

Survey Program Date 8/11/2016					
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	5,203.0	514477 Gyrodata Gyro (Main Wellbore)	GYD_DP_MS	Gyrodata gyro-compassing and drop	
5,250.0	11,601.0	514477 Pro D MWD (Main Wellbore)	MWD - OWSG	MWD - OWSG	

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.15	104.57	100.0	0.0	0.1	-0.1	0.15	0.15	0.00
200.0	0.19	126.36	200.0	-0.2	0.4	-0.2	0.08	0.04	21.79
300.0	0.28	80.20	300.0	-0.2	0.8	-0.3	0.20	0.09	-46.16
400.0	0.30	90.10	400.0	-0.2	1.3	-0.4	0.05	0.02	9.90
500.0	0.27	100.20	500.0	-0.2	1.8	-0.5	0.06	-0.03	10.10
600.0	0.24	110.86	600.0	-0.3	2.2	-0.7	0.06	-0.03	10.66
700.0	0.15	148.79	700.0	-0.5	2.4	-0.9	0.15	-0.09	37.93
800.0	0.13	137.02	800.0	-0.7	2.6	-1.2	0.03	-0.02	-11.77
900.0	0.16	113.74	900.0	-0.9	2.8	-1.3	0.07	0.03	-23.28

Survey Report

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Wellbore: Main Wellbore
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Local Co-ordinate Reference: Well Well #514477 - Slot 514477
TVD Reference: KB@23 @ 1039.0usft
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North Reference: Grid
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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)
1,000.0	0.06	67.63	1,000.0	-0.9	3.0	-1.4	0.13	-0.10	-46.11
1,100.0	0.08	295.65	1,100.0	-0.8	3.0	-1.3	0.13	0.02	-131.98
1,200.0	0.11	333.76	1,200.0	-0.7	2.9	-1.2	0.07	0.03	38.11
1,300.0	0.12	121.80	1,300.0	-0.7	2.9	-1.2	0.22	0.01	148.04
1,400.0	0.15	133.21	1,400.0	-0.8	3.1	-1.4	0.04	0.03	11.41
1,500.0	0.15	172.97	1,500.0	-1.1	3.2	-1.6	0.10	0.00	39.76
1,600.0	0.28	241.60	1,600.0	-1.3	3.0	-1.8	0.27	0.13	68.63
1,700.0	0.25	249.45	1,700.0	-1.5	2.6	-1.9	0.05	-0.03	7.85
1,800.0	0.26	250.87	1,800.0	-1.7	2.2	-2.0	0.01	0.01	1.42
1,900.0	0.33	241.44	1,900.0	-1.9	1.7	-2.1	0.08	0.07	-9.43
2,000.0	0.32	256.46	2,000.0	-2.1	1.2	-2.2	0.09	-0.01	15.02
2,100.0	0.25	265.34	2,100.0	-2.2	0.7	-2.2	0.08	-0.07	8.88
2,200.0	0.08	308.68	2,200.0	-2.1	0.4	-2.2	0.20	-0.17	43.34
2,300.0	0.14	294.11	2,300.0	-2.0	0.2	-2.0	0.07	0.06	-14.57
2,400.0	0.11	302.39	2,400.0	-1.9	0.0	-1.9	0.03	-0.03	8.28
2,500.0	0.03	101.44	2,500.0	-1.9	0.0	-1.9	0.14	-0.08	159.05
2,600.0	0.05	89.89	2,600.0	-1.9	0.1	-1.9	0.02	0.02	-11.55
2,700.0	0.07	254.56	2,700.0	-1.9	0.0	-1.9	0.12	0.02	164.67
2,800.0	0.07	249.68	2,800.0	-1.9	-0.1	-1.9	0.01	0.00	-4.88
2,900.0	0.08	15.87	2,900.0	-1.9	-0.1	-1.8	0.13	0.01	126.19
3,000.0	0.04	119.43	3,000.0	-1.8	-0.1	-1.8	0.10	-0.04	103.56
3,100.0	0.05	185.56	3,100.0	-1.9	0.0	-1.9	0.05	0.01	66.13
3,200.0	0.13	202.07	3,200.0	-2.1	-0.1	-2.0	0.08	0.08	16.51
3,300.0	0.05	184.87	3,300.0	-2.2	-0.1	-2.1	0.08	-0.08	-17.20
3,400.0	0.10	126.37	3,400.0	-2.3	-0.1	-2.3	0.09	0.05	-58.50
3,500.0	0.04	147.68	3,500.0	-2.4	0.0	-2.4	0.06	-0.06	21.31
3,600.0	0.07	120.92	3,600.0	-2.4	0.1	-2.4	0.04	0.03	-26.76
3,700.0	0.10	178.24	3,700.0	-2.6	0.2	-2.5	0.09	0.03	57.32
3,800.0	0.11	234.44	3,800.0	-2.7	0.1	-2.7	0.10	0.01	56.20
3,900.0	0.22	321.31	3,900.0	-2.6	-0.1	-2.5	0.24	0.11	86.87
4,000.0	0.47	342.91	4,000.0	-2.1	-0.4	-2.0	0.28	0.25	21.60
4,100.0	0.51	350.97	4,100.0	-1.2	-0.5	-1.1	0.08	0.04	8.06
4,200.0	0.68	342.20	4,200.0	-0.2	-0.8	-0.1	0.19	0.17	-8.77
4,300.0	1.02	342.52	4,300.0	1.2	-1.2	1.4	0.34	0.34	0.32
4,400.0	1.16	337.41	4,399.9	3.0	-1.9	3.3	0.17	0.14	-5.11
4,500.0	1.46	336.15	4,499.9	5.1	-2.8	5.5	0.30	0.30	-1.26
4,600.0	1.99	337.30	4,599.9	7.8	-4.0	8.4	0.53	0.53	1.15
4,700.0	2.20	339.34	4,699.8	11.2	-5.3	12.0	0.22	0.21	2.04
4,800.0	2.51	337.16	4,799.7	15.0	-6.9	16.0	0.32	0.31	-2.18
4,900.0	2.74	336.29	4,899.6	19.3	-8.7	20.5	0.23	0.23	-0.87
5,000.0	3.34	338.37	4,999.5	24.1	-10.7	25.6	0.61	0.60	2.08
5,100.0	3.33	337.97	5,099.3	29.5	-12.9	31.3	0.03	-0.01	-0.40
5,200.0	3.70	339.57	5,199.1	35.3	-15.1	37.3	0.38	0.37	1.60

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5,203.0	3.68	340.33	5,202.1	35.4	-15.2	37.5	1.76	-0.67	25.33	
5,250.0	3.20	336.80	5,249.0	38.1	-16.2	40.3	1.12	-1.02	-7.51	
KOP=5250'MD										
5,281.0	2.50	3.80	5,280.0	39.5	-16.5	41.8	4.82	-2.26	87.10	
5,313.0	4.20	68.70	5,311.9	40.7	-15.3	42.7	12.09	5.31	202.81	
5,344.0	7.90	84.30	5,342.8	41.3	-12.2	42.8	12.95	11.94	50.32	
5,376.0	11.20	83.30	5,374.3	41.9	-6.9	42.4	10.33	10.31	-3.13	
5,407.0	14.50	81.20	5,404.5	42.8	-0.1	42.2	10.75	10.65	-6.77	
5,439.0	17.30	85.10	5,435.3	43.8	8.6	41.7	9.36	8.75	12.19	
5,470.0	20.50	89.80	5,464.6	44.2	18.7	40.4	11.42	10.32	15.16	
5,502.0	22.60	94.90	5,494.4	43.7	30.4	37.8	8.79	6.56	15.94	
5,533.0	25.10	98.40	5,522.8	42.5	42.9	34.5	8.30	8.06	4.84	
5,564.0	27.50	95.70	5,550.5	41.1	56.5	30.7	7.81	7.74	-2.26	
5,596.0	29.60	96.50	5,578.6	39.4	71.7	26.5	6.67	6.56	2.50	
5,627.0	32.90	97.40	5,605.1	37.5	87.7	21.8	10.75	10.65	2.90	
5,659.0	36.60	98.10	5,631.4	35.0	105.8	16.2	11.63	11.56	2.19	
5,690.0	39.80	97.50	5,655.8	32.4	124.8	10.4	10.39	10.32	-1.94	
5,722.0	42.20	98.80	5,679.9	29.4	145.5	3.9	7.96	7.50	4.06	
5,753.0	42.40	99.40	5,702.9	26.1	166.1	-2.9	1.45	0.65	1.94	
5,785.0	41.90	98.90	5,726.6	22.7	187.3	-10.0	1.88	-1.56	-1.56	
5,847.0	42.70	99.30	5,772.5	16.1	228.5	-23.6	1.36	1.29	0.65	
5,879.0	43.30	100.00	5,795.9	12.5	250.1	-30.9	2.40	1.88	2.19	
5,910.0	42.80	100.00	5,818.5	8.8	270.9	-38.1	1.61	-1.61	0.00	
5,942.0	42.50	96.80	5,842.1	5.6	292.3	-44.9	6.84	-0.94	-10.00	
5,973.0	42.90	89.50	5,864.8	4.5	313.3	-49.7	16.02	1.29	-23.55	
6,005.0	42.30	82.80	5,888.4	5.9	334.9	-52.0	14.29	-1.88	-20.94	
6,036.0	41.40	77.20	5,911.5	9.5	355.2	-52.0	12.39	-2.90	-18.06	
6,068.0	40.80	72.20	5,935.6	15.0	375.5	-50.0	10.44	-1.88	-15.63	
6,099.0	41.10	66.00	5,959.1	22.3	394.5	-46.2	13.14	0.97	-20.00	
6,131.0	42.00	60.80	5,983.0	31.8	413.4	-40.1	11.14	2.81	-16.25	
6,162.0	42.90	54.30	6,005.9	43.0	431.1	-32.1	14.44	2.90	-20.97	
6,194.0	43.60	49.40	6,029.2	56.5	448.3	-21.7	10.72	2.19	-15.31	
6,225.0	44.20	45.00	6,051.6	71.1	464.1	-10.0	10.03	1.94	-14.19	
6,256.0	44.50	39.90	6,073.7	87.1	478.7	3.2	11.54	0.97	-16.45	
6,288.0	45.00	34.20	6,096.5	105.1	492.2	18.5	12.63	1.56	-17.81	
6,319.0	46.10	30.60	6,118.2	123.8	504.1	34.9	9.02	3.55	-11.61	
6,351.0	48.60	28.10	6,139.9	144.3	515.6	53.1	9.70	7.81	-7.81	
6,382.0	51.70	24.00	6,159.7	165.7	526.0	72.4	14.25	10.00	-13.23	
6,413.0	54.30	20.40	6,178.4	188.6	535.4	93.3	12.50	8.39	-11.61	
6,445.0	57.40	17.20	6,196.3	213.7	543.9	116.5	12.74	9.69	-10.00	
6,476.0	60.30	13.50	6,212.4	239.2	550.9	140.5	13.85	9.35	-11.94	
6,508.0	63.00	10.10	6,227.6	266.8	556.6	166.7	12.59	8.44	-10.63	
6,539.0	66.80	7.00	6,240.7	294.5	560.8	193.3	15.24	12.26	-10.00	

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6,571.0	70.00	5.30	6,252.5	324.1	564.0	221.9	11.15	10.00	-5.31
6,602.0	71.70	2.90	6,262.7	353.3	566.1	250.3	9.14	5.48	-7.74
6,633.0	72.60	359.40	6,272.2	382.8	566.7	279.2	11.13	2.90	-11.29
6,665.0	72.30	355.20	6,281.8	413.3	565.2	309.5	12.55	-0.94	-13.13
6,696.0	72.70	351.20	6,291.2	442.6	561.7	339.0	12.37	1.29	-12.90
6,727.0	76.00	349.00	6,299.5	472.0	556.6	368.9	12.65	10.65	-7.10
6,759.0	79.90	348.00	6,306.2	502.7	550.3	400.1	12.56	12.19	-3.13
6,790.0	83.10	347.60	6,310.8	532.7	543.9	430.8	10.40	10.32	-1.29
6,822.0	85.50	346.30	6,314.0	563.7	536.7	462.6	8.52	7.50	-4.06
6,853.0	87.40	344.00	6,315.9	593.6	528.7	493.4	9.61	6.13	-7.42
6,885.0	88.50	342.30	6,317.0	624.2	519.5	525.1	6.32	3.44	-5.31
6,916.0	86.40	341.70	6,318.4	653.6	509.9	555.8	7.04	-6.77	-1.94
LP=6916*MD As Drilled									
6,948.0	85.80	342.00	6,320.6	684.0	500.0	587.4	2.10	-1.88	0.94
6,979.0	85.40	341.20	6,323.0	713.3	490.2	618.0	2.88	-1.29	-2.58
7,073.0	90.00	340.70	6,326.7	802.1	459.6	710.7	4.92	4.89	-0.53
7,168.0	90.30	339.40	6,326.5	891.4	427.1	804.2	1.40	0.32	-1.37
7,263.0	89.20	342.10	6,326.9	981.0	395.8	898.0	3.07	-1.16	2.84
7,357.0	89.10	342.00	6,328.3	1,070.5	366.9	991.0	0.15	-0.11	-0.11
7,451.0	91.40	341.90	6,327.9	1,159.8	337.7	1,084.1	2.45	2.45	-0.11
7,546.0	92.30	341.90	6,324.8	1,250.1	308.2	1,178.1	0.95	0.95	0.00
7,640.0	89.80	341.80	6,323.1	1,339.4	279.0	1,271.1	2.66	-2.66	-0.11
7,735.0	90.90	341.20	6,322.5	1,429.5	248.8	1,365.0	1.32	1.16	-0.63
7,829.0	89.40	341.30	6,322.3	1,518.5	218.6	1,457.9	1.60	-1.60	0.11
7,924.0	88.50	343.20	6,324.0	1,608.9	189.7	1,552.0	2.21	-0.95	2.00
8,018.0	89.40	343.00	6,325.7	1,698.8	162.3	1,645.3	0.98	0.96	-0.21
8,113.0	90.40	342.60	6,325.9	1,789.6	134.2	1,739.6	1.13	1.05	-0.42
8,207.0	87.10	344.10	6,328.0	1,879.6	107.3	1,832.9	3.86	-3.51	1.60
8,301.0	89.60	343.20	6,330.7	1,969.8	80.9	1,926.2	2.83	2.66	-0.96
8,395.0	90.20	341.20	6,330.8	2,059.3	52.1	2,019.3	2.22	0.64	-2.13
8,490.0	91.40	344.70	6,329.5	2,150.1	24.3	2,113.6	3.89	1.26	3.68
8,584.0	91.80	344.20	6,326.9	2,240.6	-0.9	2,207.1	0.68	0.43	-0.53
8,679.0	91.10	343.70	6,324.5	2,331.9	-27.2	2,301.5	0.91	-0.74	-0.53
8,773.0	90.90	343.70	6,322.8	2,422.1	-53.5	2,394.9	0.21	-0.21	0.00
8,867.0	89.10	344.40	6,322.8	2,512.4	-79.4	2,488.4	2.05	-1.91	0.74
8,962.0	87.10	344.40	6,326.0	2,603.9	-104.9	2,582.9	2.11	-2.11	0.00
9,056.0	89.60	343.30	6,328.7	2,694.1	-131.0	2,676.3	2.91	2.66	-1.17
9,150.0	90.90	342.30	6,328.3	2,783.9	-158.8	2,769.5	1.74	1.38	-1.06
9,245.0	92.90	342.90	6,325.1	2,874.5	-187.2	2,863.7	2.20	2.11	0.63
9,339.0	90.00	342.10	6,322.7	2,964.1	-215.5	2,956.8	3.20	-3.09	-0.85
9,433.0	89.30	342.10	6,323.3	3,053.6	-244.4	3,049.9	0.74	-0.74	0.00
9,527.0	89.60	342.00	6,324.2	3,143.0	-273.3	3,143.0	0.34	0.32	-0.11
9,621.0	90.00	342.60	6,324.5	3,232.6	-301.9	3,236.1	0.77	0.43	0.64
9,715.0	91.00	342.20	6,323.7	3,322.1	-330.3	3,329.3	1.15	1.06	-0.43

Survey Report

Company: EQT PRODUCTION
Project: Ritchie County, WV
Site: PEN54
Well: Well #514477
Wellbore: Main Wellbore
Design: 514477 As Drilled Surveys

Local Co-ordinate Reference: Well Well #514477 - Slot 514477
TVD Reference: KB@23 @ 1039.0usft
MD Reference: KB@23 @ 1039.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Well_Planner1

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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)
9,809.0	89.50	343.00	6,323.3	3,411.8	-358.4	3,422.5	1.81	-1.60	0.85
9,904.0	90.40	344.80	6,323.4	3,503.1	-384.8	3,516.9	2.12	0.95	1.89
9,998.0	90.90	344.70	6,322.3	3,593.8	-409.5	3,610.5	0.54	0.53	-0.11
10,092.0	90.10	341.70	6,321.5	3,683.8	-436.7	3,703.8	3.30	-0.85	-3.19
10,186.0	88.30	341.80	6,322.8	3,773.0	-466.1	3,796.8	1.92	-1.91	0.11
10,281.0	88.20	341.40	6,325.7	3,863.1	-496.1	3,890.8	0.43	-0.11	-0.42
10,375.0	88.30	341.10	6,328.6	3,952.1	-526.3	3,983.6	0.34	0.11	-0.32
10,469.0	88.80	340.10	6,331.0	4,040.7	-557.5	4,076.3	1.19	0.53	-1.06
10,564.0	89.90	342.00	6,332.1	4,130.6	-588.3	4,170.1	2.31	1.16	2.00
10,658.0	88.50	342.70	6,333.4	4,220.1	-616.8	4,263.3	1.67	-1.49	0.74
10,752.0	88.70	342.00	6,335.7	4,309.7	-645.3	4,356.4	0.77	0.21	-0.74
10,847.0	91.20	343.40	6,335.7	4,400.4	-673.6	4,450.6	3.02	2.63	1.47
Deepest point of well=10847'MD / 6335.75'TVD									
10,941.0	92.00	343.60	6,333.1	4,490.5	-700.3	4,543.9	0.88	0.85	0.21
11,035.0	90.30	342.90	6,331.2	4,580.5	-727.3	4,637.3	1.96	-1.81	-0.74
11,129.0	90.60	342.60	6,330.5	4,670.2	-755.2	4,730.5	0.45	0.32	-0.32
11,224.0	90.90	341.40	6,329.3	4,760.6	-784.6	4,824.5	1.30	0.32	-1.26
11,318.0	89.80	342.60	6,328.7	4,850.0	-813.6	4,917.6	1.73	-1.17	1.28
11,412.0	90.20	342.50	6,328.7	4,939.6	-841.8	5,010.8	0.44	0.43	-0.11
11,507.0	89.40	342.60	6,329.0	5,030.3	-870.3	5,105.0	0.85	-0.84	0.11
11,547.0	89.90	342.80	6,329.3	5,068.5	-882.2	5,144.7	1.35	1.25	0.50
FINAL Survey: 11547'MD / 6329.26'TVD									
11,601.0	89.90	342.80	6,329.3	5,120.0	-898.2	5,198.2	0.00	0.00	0.00
TD: 11601'MD / 6329.35'TVD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LP=6916'MD As Drilled	0.00	360.00	0.0	653.6	509.9	279,828.12	1,596,303.97	39° 15' 34.194 N	80° 55' 32.633 W
- hit/miss target									
- Shape									
- actual wellpath misses target center by 829.0usft at 0.4usft MD (0.4 TVD, 0.0 N, 0.0 E)									
- Point									
TD: 11601'MD	0.00	360.00	0.0	5,120.0	-898.2	284,294.51	1,594,895.90	39° 16' 18.114 N	80° 55' 51.437 W
- actual wellpath misses target center by 5198.2usft at 0.0usft MD (0.0 TVD, 0.0 N, 0.0 E)									
- Point									

Survey Report

Company: EQT PRODUCTION	Local Co-ordinate Reference: Well Well #514477 - Slot 514477	
Project: Ritchie County, WV	TVD Reference: KB@23 @ 1039.0usft	
Site: PEN54	MD Reference: KB@23 @ 1039.0usft	
Well: Well #514477	North Reference: Grid	
Wellbore: Main Wellbore	Survey Calculation Method: Minimum Curvature	
Design: 514477 As Drilled Surveys	Database: Well_Planner1	

Design Annotations					RECEIVED Office of Oil and Gas JUL 7 2017 WV Department of Environmental Protection
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
5,250.0	5,249.0	38.1	-16.2	KOP=5250'MD	
6,916.0	6,318.4	653.6	509.9	LP=6916'MD As Drilled	
10,847.0	6,335.7	4,400.4	-673.6	Deepest point of well=10847'MD / 6335.75'TVD	
11,547.0	6,329.3	5,068.5	-882.2	FINAL Survey: 11547'MD / 6329.26'TVD	
11,601.0	6,329.3	5,120.0	-898.2	TD: 11601'MD / 6329.35'TVD	

Checked By: _____	Approved By: _____	Date: _____
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