



# **EQT Production**

**Doddrige County, WV  
Orion WEU49 Pad  
Well #514395**

**Original Hole**

API # 47-1706448

**Survey: ProDirectional**

# **Survey Report**

26 January, 2015



10/16/2015



17.06448

# Professional Directional

## Survey Report



<b>Company:</b>	EQT Production	<b>Local Co-ordinate Reference:</b>	Well Well #514395 - Slot 514395
<b>Project:</b>	Doddridge County, WV	<b>TVD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Site:</b>	Orion WEU49 Pad	<b>MD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Well:</b>	Well #514395	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Well_Planner1

<b>Project</b>	Doddridge County, WV		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	West Virginia North 4701		Using geodetic scale factor

<b>Site</b>	Orion WEU49 Pad				
<b>Site Position:</b>		<b>Northing:</b>	277,569.80 usft	<b>Latitude:</b>	39° 15' 17.748 N
<b>From:</b>	Map	<b>Easting:</b>	1,635,662.00 usft	<b>Longitude:</b>	80° 47' 11.892 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.82 °

<b>Well</b>	Well #514395 - Slot 514395					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	277,569.80 usft	<b>Latitude:</b>	39° 15' 17.748 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	1,635,662.00 usft	<b>Longitude:</b>	80° 47' 11.892 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	1,152.50 usft	<b>Ground Level:</b>	1,130.00 usft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/5/2015	-8.49	66.73	52,209

<b>Design</b>	Original Hole				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	155.00	

<b>Survey Program</b>	<b>Date</b>	1/26/2015			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
109.50	5,255.50	#1 GyroData Gyro (Original Hole)	Gyrodata_DP_MS	Gyrodata gyro-compassing and drop	
5,384.00	11,940.00	#2 Pro Directional MWD (Original Hole)	ProMWD	MWD - Standard	

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
109.50	0.29	88.28	109.50	0.01	0.28	0.11	0.26	0.26	0.00
209.50	0.24	110.88	209.50	-0.06	0.73	0.36	0.11	-0.05	22.60
309.50	0.15	151.79	309.50	-0.25	0.98	0.64	0.16	-0.09	40.91
409.50	0.16	146.69	409.50	-0.48	1.12	0.91	0.02	0.01	-5.10
509.50	0.15	143.03	509.50	-0.70	1.28	1.18	0.01	-0.01	-3.66
609.50	0.18	146.92	609.50	-0.94	1.44	1.46	0.03	0.03	3.89
709.50	0.26	163.80	709.50	-1.29	1.59	1.84	0.10	0.08	16.88
809.50	0.26	175.21	809.50	-1.73	1.67	2.28	0.05	0.00	11.41
909.50	0.21	200.61	909.49	-2.13	1.63	2.62	0.11	-0.05	25.40



17-06448

# Professional Directional Survey Report



<b>Company:</b>	EQT Production	<b>Local Co-ordinate Reference:</b>	Well Well #514395 - Slot 514395
<b>Project:</b>	Doddridge County, WV	<b>TVD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Site:</b>	Orion WEU49 Pad	<b>MD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Well:</b>	Well #514395	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Well_Planner1

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)
1,009.50	0.21	198.84	1,009.49	-2.47	1.50	2.88	0.01	0.00	-1.77
1,109.50	0.61	130.28	1,109.49	-2.99	1.85	3.49	0.57	0.40	-68.56
1,209.50	0.78	132.01	1,209.48	-3.79	2.76	4.60	0.17	0.17	1.73
1,309.50	0.79	133.22	1,309.47	-4.72	3.77	5.87	0.02	0.01	1.21
1,409.50	0.83	133.93	1,409.46	-5.69	4.79	7.19	0.04	0.04	0.71
1,509.50	0.81	135.30	1,509.45	-6.70	5.81	8.53	0.03	-0.02	1.37
1,609.50	0.79	134.12	1,609.44	-7.68	6.81	9.84	0.03	-0.02	-1.18
1,709.50	0.76	147.36	1,709.44	-8.72	7.66	11.14	0.18	-0.03	13.24
1,809.50	0.77	148.17	1,809.43	-9.85	8.37	12.46	0.01	0.01	0.81
1,909.50	0.77	150.50	1,909.42	-11.00	9.06	13.80	0.03	0.00	2.33
2,009.50	0.80	149.95	2,009.41	-12.19	9.74	15.17	0.03	0.03	-0.55
2,109.50	0.78	147.92	2,109.40	-13.37	10.45	16.54	0.03	-0.02	-2.03
2,209.50	0.76	154.47	2,209.39	-14.55	11.09	17.88	0.09	-0.02	6.55
2,309.50	0.72	163.19	2,309.38	-15.75	11.56	19.16	0.12	-0.04	8.72
2,409.50	0.76	169.83	2,409.37	-17.00	11.86	20.42	0.09	0.04	6.64
2,509.50	0.64	169.08	2,509.37	-18.21	12.08	21.61	0.12	-0.12	-0.75
2,609.50	0.64	174.01	2,609.36	-19.31	12.25	22.68	0.06	0.00	4.93
2,709.50	0.50	177.69	2,709.35	-20.30	12.32	23.61	0.14	-0.14	3.68
2,809.50	0.50	189.41	2,809.35	-21.17	12.27	24.37	0.10	0.00	11.72
2,909.50	0.49	190.36	2,909.35	-22.02	12.12	25.08	0.01	-0.01	0.95
3,009.50	0.45	204.55	3,009.34	-22.80	11.88	25.68	0.12	-0.04	14.19
3,109.50	0.39	209.58	3,109.34	-23.45	11.55	26.13	0.07	-0.06	5.03
3,209.50	0.39	208.01	3,209.34	-24.05	11.22	26.54	0.01	0.00	-1.57
3,309.50	0.34	205.61	3,309.34	-24.61	10.93	26.93	0.05	-0.05	-2.40
3,409.50	0.35	210.87	3,409.33	-25.14	10.65	27.29	0.03	0.01	5.26
3,509.50	0.38	210.58	3,509.33	-25.69	10.32	27.65	0.03	0.03	-0.29
3,609.50	0.36	207.81	3,609.33	-26.25	10.01	28.02	0.03	-0.02	-2.77
3,709.50	0.40	227.15	3,709.33	-26.77	9.61	28.32	0.13	0.04	19.34
3,809.50	0.39	232.87	3,809.33	-27.21	9.08	28.50	0.04	-0.01	5.72
3,909.50	0.56	255.91	3,909.32	-27.54	8.33	28.48	0.25	0.17	23.04
4,009.50	0.66	264.65	4,009.32	-27.71	7.29	28.19	0.14	0.10	8.74
4,109.50	0.81	273.68	4,109.31	-27.72	6.01	27.66	0.19	0.15	9.03
4,209.50	0.88	272.85	4,209.30	-27.63	4.54	26.96	0.07	0.07	-0.83
4,309.50	0.98	282.74	4,309.28	-27.41	2.93	26.08	0.19	0.10	9.89
4,409.50	1.03	287.64	4,409.27	-26.95	1.24	24.95	0.10	0.05	4.90
4,509.50	1.18	293.31	4,509.25	-26.27	-0.56	23.57	0.19	0.15	5.67
4,609.50	1.17	294.19	4,609.23	-25.44	-2.44	22.03	0.02	-0.01	0.88
4,709.50	1.21	299.90	4,709.21	-24.50	-4.28	20.39	0.13	0.04	5.71
4,809.50	1.21	300.11	4,809.19	-23.44	-6.11	18.66	0.00	0.00	0.21
4,909.50	1.19	308.16	4,909.16	-22.27	-7.84	16.87	0.17	-0.02	8.05
5,009.50	1.18	311.28	5,009.14	-20.95	-9.43	15.00	0.07	-0.01	3.12
5,109.50	1.29	316.51	5,109.12	-19.45	-10.98	12.99	0.16	0.11	5.23
5,209.50	1.53	318.01	5,209.09	-17.64	-12.65	10.64	0.24	0.24	1.50





17-06448

# Professional Directional Survey Report



<b>Company:</b>	EQT Production	<b>Local Co-ordinate Reference:</b>	Well Well #514395 - Slot 514395
<b>Project:</b>	Doddridge County, WV	<b>TVD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Site:</b>	Orion WEU49 Pad	<b>MD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Well:</b>	Well #514395	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Well_Planner1

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)	
5,255.50	1.66	318.19	5,255.07	-16.69	-13.50	9.42	0.28	0.28	0.39	
5,264.50	1.71	321.31	5,264.07	-16.49	-13.67	9.16	1.17	0.56	34.71	
<b>Tied Into Gyro: 5255' MD</b>										
5,384.00	2.70	347.73	5,383.48	-12.34	-15.39	4.69	1.17	0.83	22.11	
5,479.00	8.22	5.11	5,478.02	-3.39	-15.26	-3.38	6.00	5.81	18.29	
5,574.00	13.52	8.63	5,571.28	14.37	-12.98	-18.51	5.62	5.58	3.71	
5,669.00	17.50	11.72	5,662.80	39.34	-8.41	-39.21	4.28	4.19	3.25	
5,764.00	20.28	14.94	5,752.68	69.24	-1.27	-63.29	3.12	2.93	3.39	
5,859.00	25.10	2.64	5,840.35	105.32	3.91	-93.80	7.09	5.07	-12.95	
5,954.00	34.69	359.82	5,922.62	152.60	4.76	-136.29	10.20	10.09	-2.97	
6,049.00	46.80	357.22	5,994.47	214.45	2.99	-193.10	12.87	12.75	-2.74	
6,144.00	47.19	0.92	6,059.27	283.89	1.87	-256.50	2.88	0.41	3.89	
6,238.00	41.80	17.45	6,126.53	348.52	11.85	-310.85	13.56	-5.73	17.59	
6,334.00	39.51	38.25	6,199.69	403.28	40.49	-348.39	14.27	-2.39	21.67	
6,428.00	32.70	58.12	6,275.86	440.35	80.75	-364.96	14.33	-7.24	21.14	
6,523.00	22.32	81.21	6,360.23	456.75	120.59	-362.99	15.49	-10.93	24.31	
6,618.00	22.71	104.92	6,448.17	454.78	156.21	-346.15	9.51	0.41	24.96	
6,713.00	32.70	113.12	6,532.21	439.94	197.65	-315.19	11.23	10.52	8.63	
6,808.00	45.78	111.22	6,605.63	417.44	253.23	-271.31	13.83	13.77	-2.00	
6,840.00	50.42	111.05	6,626.99	408.86	275.44	-254.14	14.51	14.50	-0.53	
6,872.00	54.88	111.71	6,646.40	399.58	299.12	-235.73	14.03	13.94	2.06	
6,904.00	58.99	112.63	6,663.86	389.46	323.94	-216.06	13.07	12.84	2.88	
6,935.00	63.28	116.73	6,678.82	378.11	348.59	-195.36	18.04	13.84	13.23	
6,967.00	67.79	121.62	6,692.08	363.90	373.99	-171.75	19.80	14.09	15.28	
6,998.00	71.00	126.00	6,702.99	347.75	398.09	-146.93	16.79	10.35	14.13	
7,030.00	73.80	132.11	6,712.67	328.54	421.75	-119.52	20.19	8.75	19.09	
7,061.00	76.71	137.62	6,720.57	307.39	442.98	-91.38	19.58	9.39	17.77	
7,093.00	77.99	142.91	6,727.58	283.39	462.93	-61.20	16.62	4.00	16.53	
7,124.00	79.81	149.65	6,733.56	258.10	479.80	-31.15	22.13	5.87	21.74	
7,156.00	81.09	155.64	6,738.87	230.09	494.29	0.37	18.89	4.00	18.72	
7,188.00	82.68	160.84	6,743.39	200.67	506.03	31.98	16.84	4.97	16.25	
7,220.00	84.09	167.32	6,747.08	170.12	514.74	63.35	20.59	4.41	20.25	
7,251.00	87.58	170.23	6,749.33	139.80	520.75	93.37	14.64	11.26	9.39	
7,283.00	92.18	171.64	6,749.40	108.21	525.79	124.14	15.03	14.38	4.41	
7,315.00	94.61	172.04	6,747.50	76.60	530.33	154.71	7.70	7.59	1.25	
7,346.00	94.08	172.12	6,745.15	45.98	534.59	184.25	1.73	-1.71	0.26	
7,378.00	93.99	171.73	6,742.90	14.38	539.07	214.79	1.25	-0.28	-1.22	
7,441.00	93.40	171.50	6,738.84	-47.82	548.24	275.04	1.00	-0.94	-0.37	
7,473.00	93.50	170.32	6,736.92	-79.36	553.28	305.75	3.69	0.31	-3.69	
7,504.00	92.31	170.54	6,735.35	-109.89	558.43	335.60	3.90	-3.84	0.71	
7,568.00	92.00	170.32	6,732.94	-172.95	569.06	397.25	0.59	-0.48	-0.34	
7,663.00	92.00	176.05	6,729.62	-267.19	580.33	487.41	6.03	0.00	6.03	
7,758.00	90.72	180.01	6,727.37	-362.08	583.59	574.79	4.38	-1.35	4.17	

RECEIVED  
Office of Oil and Gas  
SEP 16 2015  
West Virginia Department of Environmental Protection



17-06448

# Professional Directional

## Survey Report



<b>Company:</b>	EQT Production	<b>Local Co-ordinate Reference:</b>	Well Well #514395 - Slot 514395
<b>Project:</b>	Doddridge County, WV	<b>TVD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Site:</b>	Orion WEU49 Pad	<b>MD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Well:</b>	Well #514395	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Well_Planner1

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)
7,821.00	89.70	180.32	6,727.13	-425.08	583.41	631.81	1.69	-1.62	0.49
7,853.00	89.22	180.54	6,727.44	-457.08	583.17	660.71	1.65	-1.50	0.69
7,948.00	92.80	174.02	6,725.76	-551.89	587.67	748.54	7.83	3.77	-6.86
8,010.00	95.89	172.04	6,721.06	-613.25	595.17	807.32	5.91	4.98	-3.19
8,043.00	96.69	171.11	6,717.45	-645.69	599.97	838.76	3.70	2.42	-2.82
8,137.00	95.71	163.05	6,707.28	-736.70	620.86	930.06	8.59	-1.04	-8.57
8,232.00	96.42	156.75	6,697.23	-825.37	653.30	1,024.13	6.64	0.75	-6.63
8,327.00	98.01	156.53	6,685.30	-911.89	690.67	1,118.34	1.69	1.67	-0.23
8,422.00	98.19	153.31	6,671.91	-997.06	730.53	1,212.38	3.36	0.19	-3.39
8,517.00	97.22	152.34	6,659.17	-1,080.81	773.53	1,306.45	1.44	-1.02	-1.02
8,612.00	97.22	152.43	6,647.24	-1,164.32	817.21	1,400.60	0.09	0.00	0.09
8,707.00	96.20	153.22	6,636.13	-1,248.25	860.30	1,494.88	1.35	-1.07	0.83
8,801.00	94.61	150.44	6,627.28	-1,330.74	904.48	1,588.30	3.40	-1.69	-2.96
8,896.00	92.71	151.55	6,621.21	-1,413.65	950.44	1,682.87	2.32	-2.00	1.17
8,991.00	93.02	152.74	6,616.47	-1,497.53	994.77	1,777.64	1.29	0.33	1.25
9,086.00	90.01	152.91	6,613.95	-1,582.01	1,038.14	1,872.52	3.17	-3.17	0.18
9,181.00	90.10	153.04	6,613.86	-1,666.63	1,081.31	1,967.46	0.17	0.09	0.14
9,276.00	89.31	152.12	6,614.35	-1,750.96	1,125.05	2,062.38	1.28	-0.83	-0.97
9,371.00	88.11	156.35	6,616.49	-1,836.47	1,166.33	2,157.32	4.63	-1.26	4.45
9,466.00	88.51	157.54	6,619.29	-1,923.84	1,203.52	2,252.22	1.32	0.42	1.25
9,561.00	88.91	157.63	6,621.43	-2,011.64	1,239.73	2,347.10	0.43	0.42	0.09
9,656.00	88.20	158.11	6,623.83	-2,099.62	1,275.51	2,441.95	0.90	-0.75	0.51
9,751.00	88.51	155.42	6,626.56	-2,186.87	1,312.97	2,536.86	2.85	0.33	-2.83
9,846.00	89.09	155.82	6,628.55	-2,273.38	1,352.17	2,631.83	0.74	0.61	0.42
9,941.00	88.82	156.04	6,630.28	-2,360.10	1,390.91	2,726.80	0.37	-0.28	0.23
10,036.00	88.29	157.01	6,632.67	-2,447.21	1,428.74	2,821.74	1.16	-0.56	1.02
10,155.00	88.69	156.22	6,635.81	-2,556.40	1,475.96	2,940.65	0.74	0.34	-0.66
10,249.00	90.90	153.13	6,636.15	-2,641.35	1,516.16	3,034.63	4.04	2.35	-3.29
10,344.00	90.90	149.91	6,634.65	-2,724.83	1,561.45	3,129.43	3.39	0.00	-3.39
10,439.00	91.12	146.13	6,632.98	-2,805.38	1,611.74	3,223.69	3.99	0.23	-3.98
10,531.00	92.71	147.23	6,629.90	-2,882.21	1,662.25	3,314.67	2.10	1.73	1.20
10,629.00	94.21	155.51	6,623.98	-2,967.99	1,709.08	3,412.21	8.57	1.53	8.45
10,724.00	94.30	156.53	6,616.93	-3,054.55	1,747.59	3,506.93	1.07	0.09	1.07
10,819.00	93.20	156.13	6,610.72	-3,141.37	1,785.64	3,601.70	1.23	-1.16	-0.42
10,914.00	92.71	156.35	6,605.82	-3,228.20	1,823.87	3,696.55	0.57	-0.52	0.23
11,009.00	92.00	155.64	6,601.92	-3,314.91	1,862.48	3,791.45	1.06	-0.75	-0.75
11,104.00	90.50	156.75	6,599.84	-3,401.81	1,900.82	3,886.40	1.96	-1.58	1.17
11,199.00	90.28	157.14	6,599.20	-3,489.22	1,938.02	3,981.35	0.47	-0.23	0.41
11,294.00	89.88	158.24	6,599.07	-3,577.10	1,974.08	4,076.24	1.23	-0.42	1.16
11,389.00	90.19	157.63	6,599.01	-3,665.15	2,009.77	4,171.12	0.72	0.33	-0.64
11,484.00	90.72	157.01	6,598.25	-3,752.80	2,046.40	4,266.03	0.86	0.56	-0.65
11,579.00	90.01	159.04	6,597.65	-3,840.89	2,081.95	4,360.89	2.26	-0.75	2.14
11,674.00	90.01	156.75	6,597.63	-3,928.90	2,117.69	4,455.77	2.41	0.00	-2.41
11,769.00	90.81	155.34	6,596.95	-4,015.71	2,156.26	4,550.75	1.71	0.84	-1.48





17-06448

# Professional Directional Survey Report



<b>Company:</b>	EQT Production	<b>Local Co-ordinate Reference:</b>	Well Well #514395 - Slot 514395
<b>Project:</b>	Doddridge County, WV	<b>TVD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Site:</b>	Orion WEU49 Pad	<b>MD Reference:</b>	GL 1130' + 22.5' KB @ 1152.50usft (Orion Rig)
<b>Well:</b>	Well #514395	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Original Hole	<b>Database:</b>	Well_Planner1

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)
11,864.00	89.00	155.11	6,597.11	-4,101.96	2,196.07	4,645.74	1.92	-1.91	-0.24
11,882.00	89.31	154.85	6,597.37	-4,118.27	2,203.68	4,663.74	2.25	1.72	-1.44
<b>Last Survey: 11882'MD / 6597.37'TVD</b>									
11,940.00	89.31	154.85	6,598.07	-4,170.77	2,228.33	4,721.73	0.00	0.00	0.00
<b>PTB 11940'MD / 6598.07'TVD</b>									

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,264.50	5,264.07	-16.49	-13.67	Tied Into Gyro: 5255'MD
11,882.00	6,597.37	-4,118.27	2,203.68	Last Survey: 11882'MD / 6597.37'TVD
11,940.00	6,598.07	-4,170.77	2,228.33	PTB 11940'MD / 6598.07'TVD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

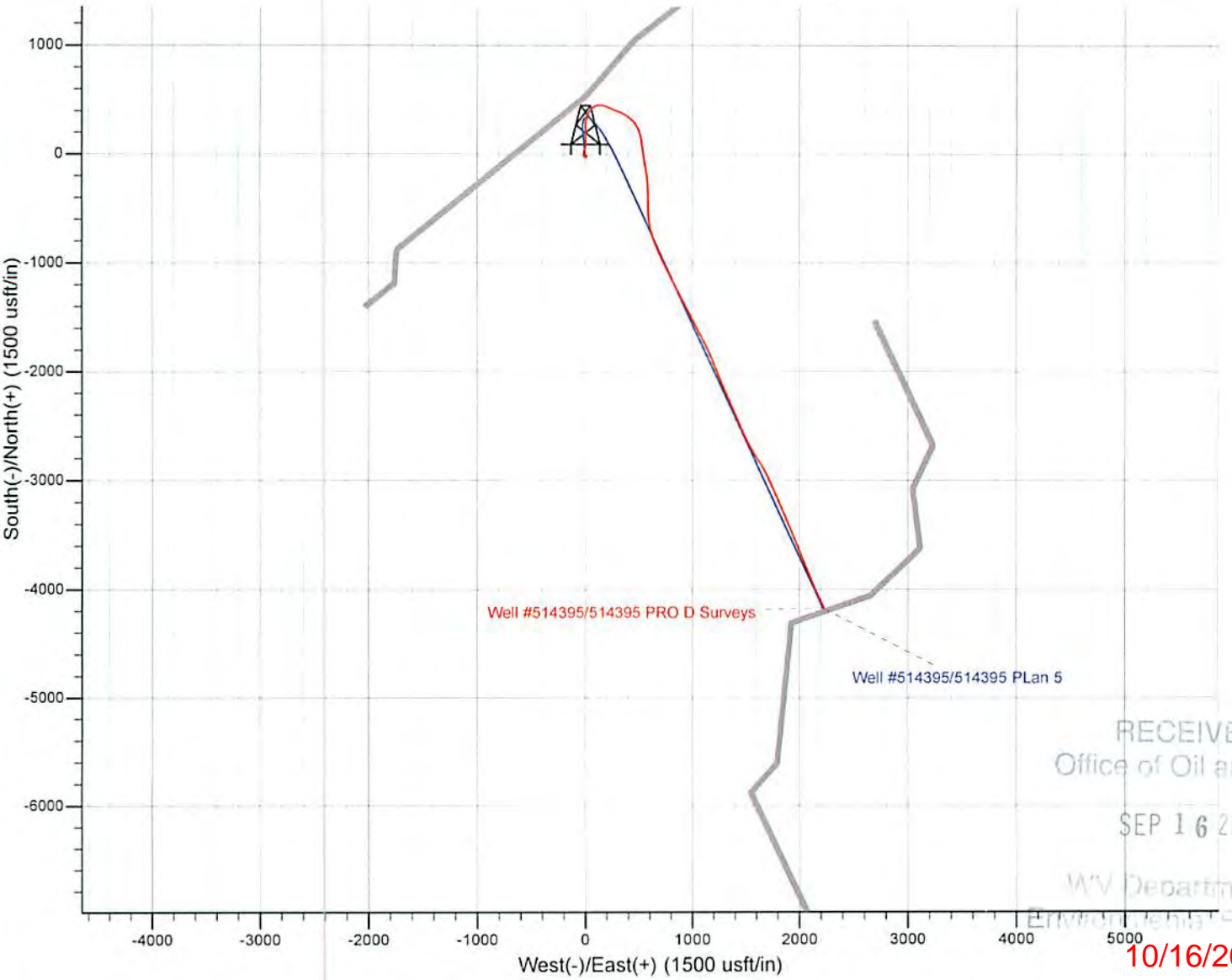
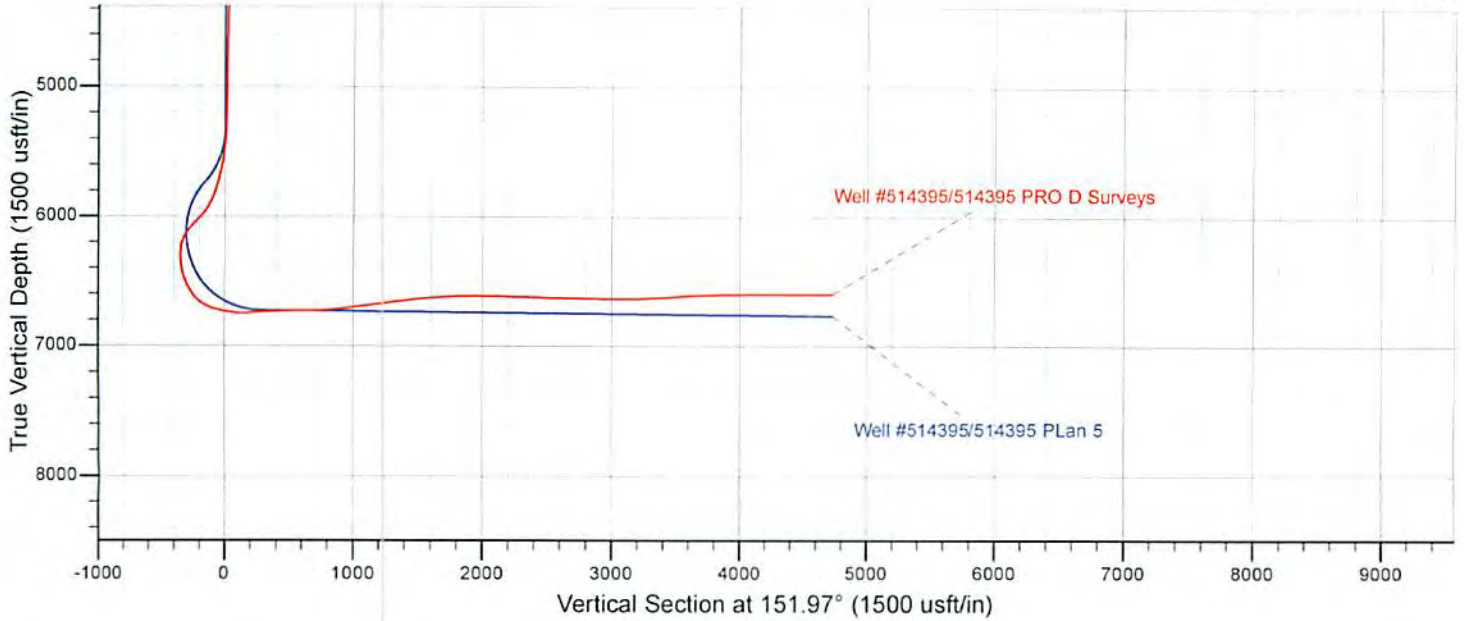
RECEIVED  
Office of Oil and Gas  
SEP 16 2015  
WV Department of  
Environmental Protection



# EQT Production - Marcellus

17-06448

Project: Doddridge County, WV Grid  
Site: Doddridge County 514395  
Well: Well #514395  
Wellbore: Main Wellbore  
Design: As Drilled Surveys



RECEIVED  
Office of Oil and Gas

SEP 16 2015

WV Department of  
Environmental Protection

10/16/2015