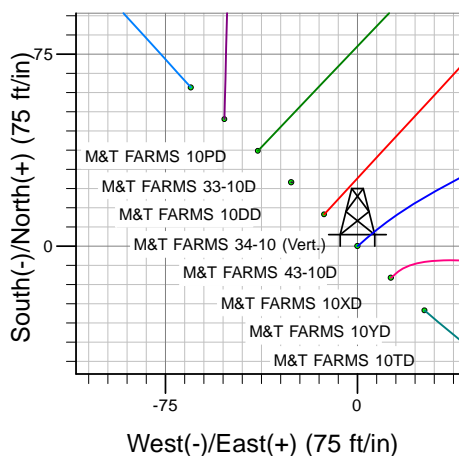
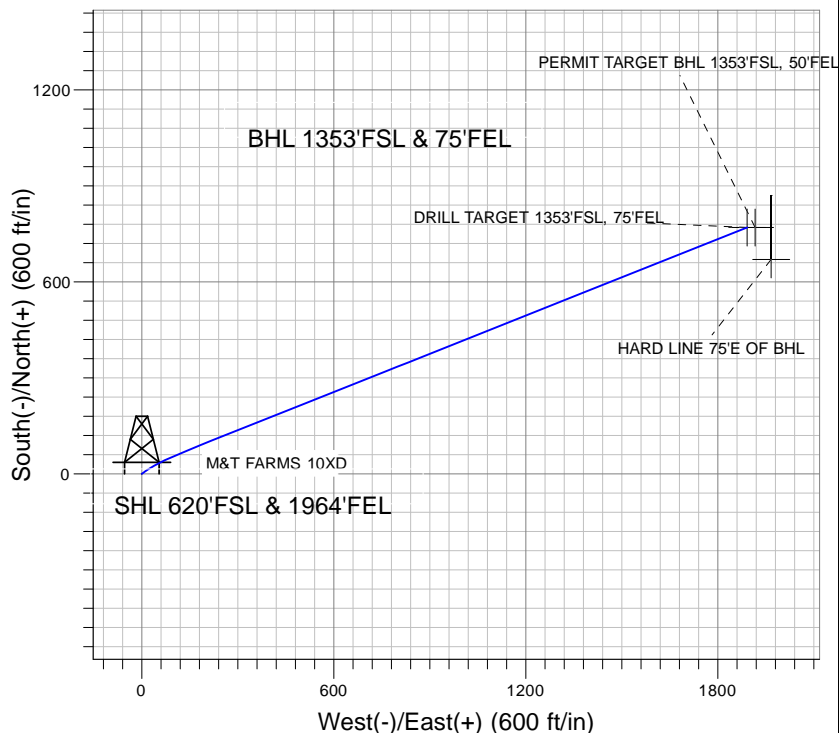
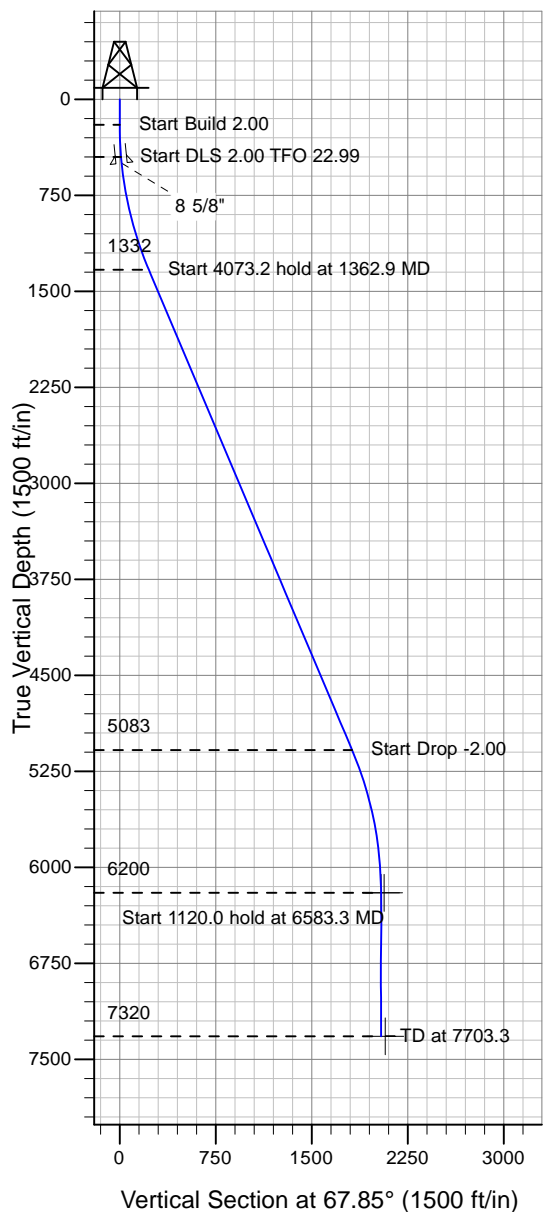


### Well Name: M&T FARMS 10XD

Surface Location: M&T PAD Sec.10-T6N-R65W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4746.0

+N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1424414.25 3237201.16 40° 29' 43.033 N 104° 38' 49.596 W  
 Original Well Elev 10XD @ 4759.0ft (Original Well Elev)

## Synergy Resources



M&T PAD Sec.10-T6N-R65W  
 M&T FARMS 10XD  
 Plan #1 (2-23-10)  
 12:36, March 03 2010



Azimuths to True North  
 Magnetic North: 8.97°  
 Magnetic Field  
 Strength: 53367.2snT  
 Dip Angle: 67.21°  
 Date: 12/31/2009  
 Model: IGRF200510

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
DRILL TARGET 1353'FSL, 75'FEL	6200.0	770.1	1891.6	40° 29' 50.642 N	104° 38' 25.112 W	Point
PERMIT TARGET BHL 1353'FSL, 50'FEL	6200.0	770.1	1916.6	40° 29' 50.642 N	104° 38' 24.788 W	Point
HARD LINE 75'E OF BHL	7320.0	670.1	1966.6	40° 29' 49.654 N	104° 38' 24.140 W	Polygon

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	450.0	5.00	50.00	449.7	7.0	8.4	2.00	50.00	10.4	
4	1362.9	22.94	68.30	1332.3	99.2	205.8	2.00	22.99	228.0	
5	5436.2	22.94	68.30	5083.3	686.3	1681.0	0.00	0.00	1815.7	
6	6583.3	0.00	0.00	6200.0	770.1	1891.6	2.00	180.00	2042.3	DRILL TARGET 1353'FSL, 75'FEL
7	7703.3	0.00	0.00	7320.0	770.1	1891.6	0.00	0.00	2042.3	



## **Synergy Resources**

**SEC.10-T6N-65W**

**M&T PAD Sec.10-T6N-R65W**

**M&T FARMS 10XD**

**Wellbore #1**

**Plan: Plan #1 (2-23-10)**

## **Standard Planning Report**

**03 March, 2010**

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

<b>Project</b>	SEC.10-T6N-65W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site						M&T PAD Sec.10-T6N-R65W							
Site Position:						Northing:		1,426,500.00ft		Latitude:		40° 30' 3.710 N	
From:			Lat/Long			Easting:		3,236,500.00ft		Longitude:		104° 38' 58.413 W	
Position Uncertainty:			0.0 ft			Slot Radius:		"		Grid Convergence:		0.55 °	

Well	M&T FARMS 10XD, SHL LAT: 40.495287, LONG: -104.647110					
Well Position	+N-S	-2,092.5 ft	Northing:	1,424,414.25 ft	Latitude:	40° 29' 43.033 N
	+E-W	681.1 ft	Easting:	3,237,201.16 ft	Longitude:	104° 38' 49.596 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	4,759.0 ft	Ground Level:	4,746.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	8.97	67.21	53,367

<b>Design</b>	Plan #1 (2-23-10)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	67.85

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
450.0	5.00	50.00	449.7	7.0	8.4	2.00	2.00	0.00	50.00	
1,362.9	22.94	68.30	1,332.3	99.2	205.8	2.00	1.97	2.00	22.99	
5,436.2	22.94	68.30	5,083.3	686.3	1,681.0	0.00	0.00	0.00	0.00	
6,583.3	0.00	0.00	6,200.0	770.1	1,891.6	2.00	-2.00	0.00	180.00	DRILL TARGET 13
7,703.3	0.00	0.00	7,320.0	770.1	1,891.6	0.00	0.00	0.00	0.00	

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.80	50.00	240.0	0.2	0.2	0.3	2.00	2.00	0.00
280.0	1.60	50.00	280.0	0.7	0.9	1.1	2.00	2.00	0.00
320.0	2.40	50.00	320.0	1.6	1.9	2.4	2.00	2.00	0.00
360.0	3.20	50.00	359.9	2.9	3.4	4.3	2.00	2.00	0.00
400.0	4.00	50.00	399.8	4.5	5.3	6.6	2.00	2.00	0.00
440.0	4.80	50.00	439.7	6.5	7.7	9.6	2.00	2.00	0.00
450.0	5.00	50.00	449.7	7.0	8.4	10.4	2.00	2.00	0.00
480.0	5.56	52.42	479.6	8.7	10.5	13.0	2.00	1.86	8.07
500.5	5.94	53.82	500.0	10.0	12.2	15.0	2.00	1.88	6.79
8 5/8"									
520.0	6.31	54.98	519.3	11.2	13.8	17.0	2.00	1.90	5.98
560.0	7.08	56.99	559.1	13.8	17.7	21.6	2.00	1.91	5.03
600.0	7.85	58.61	598.7	16.5	22.1	26.7	2.00	1.93	4.05
640.0	8.63	59.94	638.3	19.5	27.0	32.4	2.00	1.94	3.32
680.0	9.41	61.05	677.8	22.6	32.5	38.6	2.00	1.95	2.78
720.0	10.19	61.99	717.2	25.8	38.5	45.4	2.00	1.96	2.35
760.0	10.98	62.80	756.6	29.2	45.0	52.7	2.00	1.97	2.02
800.0	11.77	63.50	795.8	32.8	52.0	60.5	2.00	1.97	1.75
840.0	12.55	64.12	834.9	36.5	59.6	68.9	2.00	1.97	1.54
880.0	13.35	64.66	873.9	40.4	67.7	77.9	2.00	1.98	1.36
920.0	14.14	65.14	912.7	44.4	76.3	87.4	2.00	1.98	1.21
960.0	14.93	65.57	951.4	48.6	85.4	97.4	2.00	1.98	1.08
1,000.0	15.72	65.96	990.0	52.9	95.0	108.0	2.00	1.98	0.98
1,040.0	16.52	66.32	1,028.4	57.4	105.2	119.1	2.00	1.98	0.88
1,080.0	17.31	66.64	1,066.7	62.0	115.9	130.7	2.00	1.99	0.80
1,120.0	18.11	66.93	1,104.8	66.8	127.0	142.9	2.00	1.99	0.74
1,160.0	18.90	67.20	1,142.7	71.8	138.7	155.6	2.00	1.99	0.68
1,200.0	19.70	67.45	1,180.5	76.9	150.9	168.8	2.00	1.99	0.62
1,240.0	20.49	67.68	1,218.1	82.1	163.6	182.5	2.00	1.99	0.58
1,280.0	21.29	67.90	1,255.4	87.5	176.8	196.8	2.00	1.99	0.54
1,320.0	22.09	68.10	1,292.6	93.1	190.6	211.6	2.00	1.99	0.50
1,360.0	22.88	68.28	1,329.6	98.7	204.8	226.9	2.00	1.99	0.47
1,362.9	22.94	68.30	1,332.3	99.2	205.8	228.0	2.00	1.99	0.45
1,400.0	22.94	68.30	1,366.4	104.5	219.2	242.5	0.00	0.00	0.00
1,440.0	22.94	68.30	1,403.2	110.3	233.7	258.1	0.00	0.00	0.00
1,480.0	22.94	68.30	1,440.1	116.0	248.2	273.6	0.00	0.00	0.00
1,520.0	22.94	68.30	1,476.9	121.8	262.7	289.2	0.00	0.00	0.00
1,560.0	22.94	68.30	1,513.7	127.6	277.2	304.8	0.00	0.00	0.00
1,600.0	22.94	68.30	1,550.6	133.3	291.7	320.4	0.00	0.00	0.00
1,640.0	22.94	68.30	1,587.4	139.1	306.2	336.0	0.00	0.00	0.00
1,680.0	22.94	68.30	1,624.2	144.9	320.6	351.6	0.00	0.00	0.00
1,720.0	22.94	68.30	1,661.1	150.6	335.1	367.2	0.00	0.00	0.00
1,760.0	22.94	68.30	1,697.9	156.4	349.6	382.8	0.00	0.00	0.00
1,800.0	22.94	68.30	1,734.7	162.2	364.1	398.4	0.00	0.00	0.00
1,840.0	22.94	68.30	1,771.6	167.9	378.6	414.0	0.00	0.00	0.00
1,880.0	22.94	68.30	1,808.4	173.7	393.1	429.6	0.00	0.00	0.00
1,920.0	22.94	68.30	1,845.3	179.5	407.6	445.2	0.00	0.00	0.00
1,960.0	22.94	68.30	1,882.1	185.2	422.1	460.7	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,000.0	22.94	68.30	1,918.9	191.0	436.5	476.3	0.00	0.00	0.00
2,040.0	22.94	68.30	1,955.8	196.7	451.0	491.9	0.00	0.00	0.00
2,080.0	22.94	68.30	1,992.6	202.5	465.5	507.5	0.00	0.00	0.00
2,120.0	22.94	68.30	2,029.4	208.3	480.0	523.1	0.00	0.00	0.00
2,160.0	22.94	68.30	2,066.3	214.0	494.5	538.7	0.00	0.00	0.00
2,200.0	22.94	68.30	2,103.1	219.8	509.0	554.3	0.00	0.00	0.00
2,240.0	22.94	68.30	2,139.9	225.6	523.5	569.9	0.00	0.00	0.00
2,280.0	22.94	68.30	2,176.8	231.3	538.0	585.5	0.00	0.00	0.00
2,320.0	22.94	68.30	2,213.6	237.1	552.4	601.1	0.00	0.00	0.00
2,360.0	22.94	68.30	2,250.5	242.9	566.9	616.7	0.00	0.00	0.00
2,400.0	22.94	68.30	2,287.3	248.6	581.4	632.2	0.00	0.00	0.00
2,440.0	22.94	68.30	2,324.1	254.4	595.9	647.8	0.00	0.00	0.00
2,480.0	22.94	68.30	2,361.0	260.2	610.4	663.4	0.00	0.00	0.00
2,520.0	22.94	68.30	2,397.8	265.9	624.9	679.0	0.00	0.00	0.00
2,560.0	22.94	68.30	2,434.6	271.7	639.4	694.6	0.00	0.00	0.00
2,600.0	22.94	68.30	2,471.5	277.5	653.8	710.2	0.00	0.00	0.00
2,640.0	22.94	68.30	2,508.3	283.2	668.3	725.8	0.00	0.00	0.00
2,680.0	22.94	68.30	2,545.1	289.0	682.8	741.4	0.00	0.00	0.00
2,720.0	22.94	68.30	2,582.0	294.8	697.3	757.0	0.00	0.00	0.00
2,760.0	22.94	68.30	2,618.8	300.5	711.8	772.6	0.00	0.00	0.00
2,800.0	22.94	68.30	2,655.7	306.3	726.3	788.2	0.00	0.00	0.00
2,840.0	22.94	68.30	2,692.5	312.1	740.8	803.8	0.00	0.00	0.00
2,880.0	22.94	68.30	2,729.3	317.8	755.3	819.3	0.00	0.00	0.00
2,920.0	22.94	68.30	2,766.2	323.6	769.7	834.9	0.00	0.00	0.00
2,960.0	22.94	68.30	2,803.0	329.4	784.2	850.5	0.00	0.00	0.00
3,000.0	22.94	68.30	2,839.8	335.1	798.7	866.1	0.00	0.00	0.00
3,040.0	22.94	68.30	2,876.7	340.9	813.2	881.7	0.00	0.00	0.00
3,080.0	22.94	68.30	2,913.5	346.7	827.7	897.3	0.00	0.00	0.00
3,120.0	22.94	68.30	2,950.3	352.4	842.2	912.9	0.00	0.00	0.00
3,160.0	22.94	68.30	2,987.2	358.2	856.7	928.5	0.00	0.00	0.00
3,200.0	22.94	68.30	3,024.0	363.9	871.1	944.1	0.00	0.00	0.00
3,240.0	22.94	68.30	3,060.8	369.7	885.6	959.7	0.00	0.00	0.00
3,280.0	22.94	68.30	3,097.7	375.5	900.1	975.3	0.00	0.00	0.00
3,320.0	22.94	68.30	3,134.5	381.2	914.6	990.8	0.00	0.00	0.00
3,360.0	22.94	68.30	3,171.4	387.0	929.1	1,006.4	0.00	0.00	0.00
3,400.0	22.94	68.30	3,208.2	392.8	943.6	1,022.0	0.00	0.00	0.00
3,440.0	22.94	68.30	3,245.0	398.5	958.1	1,037.6	0.00	0.00	0.00
3,480.0	22.94	68.30	3,281.9	404.3	972.6	1,053.2	0.00	0.00	0.00
3,520.0	22.94	68.30	3,318.7	410.1	987.0	1,068.8	0.00	0.00	0.00
3,560.0	22.94	68.30	3,355.5	415.8	1,001.5	1,084.4	0.00	0.00	0.00
3,600.0	22.94	68.30	3,392.4	421.6	1,016.0	1,100.0	0.00	0.00	0.00
3,640.0	22.94	68.30	3,429.2	427.4	1,030.5	1,115.6	0.00	0.00	0.00
3,680.0	22.94	68.30	3,466.0	433.1	1,045.0	1,131.2	0.00	0.00	0.00
3,720.0	22.94	68.30	3,502.9	438.9	1,059.5	1,146.8	0.00	0.00	0.00
3,760.0	22.94	68.30	3,539.7	444.7	1,074.0	1,162.4	0.00	0.00	0.00
3,800.0	22.94	68.30	3,576.6	450.4	1,088.4	1,177.9	0.00	0.00	0.00
3,840.0	22.94	68.30	3,613.4	456.2	1,102.9	1,193.5	0.00	0.00	0.00
3,880.0	22.94	68.30	3,650.2	462.0	1,117.4	1,209.1	0.00	0.00	0.00
3,920.0	22.94	68.30	3,687.1	467.7	1,131.9	1,224.7	0.00	0.00	0.00
3,960.0	22.94	68.30	3,723.9	473.5	1,146.4	1,240.3	0.00	0.00	0.00
4,000.0	22.94	68.30	3,760.7	479.3	1,160.9	1,255.9	0.00	0.00	0.00
4,040.0	22.94	68.30	3,797.6	485.0	1,175.4	1,271.5	0.00	0.00	0.00
4,080.0	22.94	68.30	3,834.4	490.8	1,189.9	1,287.1	0.00	0.00	0.00
4,120.0	22.94	68.30	3,871.2	496.6	1,204.3	1,302.7	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,160.0	22.94	68.30	3,908.1	502.3	1,218.8	1,318.3	0.00	0.00	0.00
4,200.0	22.94	68.30	3,944.9	508.1	1,233.3	1,333.9	0.00	0.00	0.00
4,240.0	22.94	68.30	3,981.7	513.9	1,247.8	1,349.5	0.00	0.00	0.00
4,280.0	22.94	68.30	4,018.6	519.6	1,262.3	1,365.0	0.00	0.00	0.00
4,320.0	22.94	68.30	4,055.4	525.4	1,276.8	1,380.6	0.00	0.00	0.00
4,360.0	22.94	68.30	4,092.3	531.2	1,291.3	1,396.2	0.00	0.00	0.00
4,400.0	22.94	68.30	4,129.1	536.9	1,305.7	1,411.8	0.00	0.00	0.00
4,440.0	22.94	68.30	4,165.9	542.7	1,320.2	1,427.4	0.00	0.00	0.00
4,480.0	22.94	68.30	4,202.8	548.4	1,334.7	1,443.0	0.00	0.00	0.00
4,520.0	22.94	68.30	4,239.6	554.2	1,349.2	1,458.6	0.00	0.00	0.00
4,560.0	22.94	68.30	4,276.4	560.0	1,363.7	1,474.2	0.00	0.00	0.00
4,600.0	22.94	68.30	4,313.3	565.7	1,378.2	1,489.8	0.00	0.00	0.00
4,640.0	22.94	68.30	4,350.1	571.5	1,392.7	1,505.4	0.00	0.00	0.00
4,680.0	22.94	68.30	4,386.9	577.3	1,407.2	1,521.0	0.00	0.00	0.00
4,720.0	22.94	68.30	4,423.8	583.0	1,421.6	1,536.5	0.00	0.00	0.00
4,760.0	22.94	68.30	4,460.6	588.8	1,436.1	1,552.1	0.00	0.00	0.00
4,800.0	22.94	68.30	4,497.5	594.6	1,450.6	1,567.7	0.00	0.00	0.00
4,840.0	22.94	68.30	4,534.3	600.3	1,465.1	1,583.3	0.00	0.00	0.00
4,880.0	22.94	68.30	4,571.1	606.1	1,479.6	1,598.9	0.00	0.00	0.00
4,920.0	22.94	68.30	4,608.0	611.9	1,494.1	1,614.5	0.00	0.00	0.00
4,960.0	22.94	68.30	4,644.8	617.6	1,508.6	1,630.1	0.00	0.00	0.00
5,000.0	22.94	68.30	4,681.6	623.4	1,523.0	1,645.7	0.00	0.00	0.00
5,040.0	22.94	68.30	4,718.5	629.2	1,537.5	1,661.3	0.00	0.00	0.00
5,080.0	22.94	68.30	4,755.3	634.9	1,552.0	1,676.9	0.00	0.00	0.00
5,120.0	22.94	68.30	4,792.1	640.7	1,566.5	1,692.5	0.00	0.00	0.00
5,160.0	22.94	68.30	4,829.0	646.5	1,581.0	1,708.1	0.00	0.00	0.00
5,200.0	22.94	68.30	4,865.8	652.2	1,595.5	1,723.6	0.00	0.00	0.00
5,240.0	22.94	68.30	4,902.6	658.0	1,610.0	1,739.2	0.00	0.00	0.00
5,280.0	22.94	68.30	4,939.5	663.8	1,624.5	1,754.8	0.00	0.00	0.00
5,320.0	22.94	68.30	4,976.3	669.5	1,638.9	1,770.4	0.00	0.00	0.00
5,360.0	22.94	68.30	5,013.2	675.3	1,653.4	1,786.0	0.00	0.00	0.00
5,400.0	22.94	68.30	5,050.0	681.1	1,667.9	1,801.6	0.00	0.00	0.00
5,436.2	22.94	68.30	5,083.3	686.3	1,681.0	1,815.7	0.00	0.00	0.00
5,440.0	22.87	68.30	5,086.8	686.8	1,682.4	1,817.2	2.00	-2.00	0.00
5,480.0	22.07	68.30	5,123.8	692.5	1,696.6	1,832.5	2.00	-2.00	0.00
5,520.0	21.27	68.30	5,161.0	697.9	1,710.3	1,847.2	2.00	-2.00	0.00
5,560.0	20.47	68.30	5,198.3	703.2	1,723.6	1,861.5	2.00	-2.00	0.00
5,600.0	19.67	68.30	5,235.9	708.3	1,736.3	1,875.2	2.00	-2.00	0.00
5,640.0	18.87	68.30	5,273.7	713.2	1,748.6	1,888.4	2.00	-2.00	0.00
5,680.0	18.07	68.30	5,311.6	717.8	1,760.3	1,901.1	2.00	-2.00	0.00
5,720.0	17.27	68.30	5,349.7	722.3	1,771.6	1,913.2	2.00	-2.00	0.00
5,760.0	16.47	68.30	5,388.0	726.6	1,782.4	1,924.8	2.00	-2.00	0.00
5,800.0	15.67	68.30	5,426.4	730.7	1,792.7	1,935.9	2.00	-2.00	0.00
5,840.0	14.87	68.30	5,465.0	734.6	1,802.5	1,946.4	2.00	-2.00	0.00
5,880.0	14.07	68.30	5,503.8	738.3	1,811.8	1,956.4	2.00	-2.00	0.00
5,920.0	13.27	68.30	5,542.6	741.8	1,820.5	1,965.9	2.00	-2.00	0.00
5,960.0	12.47	68.30	5,581.6	745.1	1,828.8	1,974.8	2.00	-2.00	0.00
6,000.0	11.67	68.30	5,620.7	748.2	1,836.6	1,983.1	2.00	-2.00	0.00
6,040.0	10.87	68.30	5,660.0	751.1	1,843.8	1,990.9	2.00	-2.00	0.00
6,080.0	10.07	68.30	5,699.3	753.8	1,850.6	1,998.2	2.00	-2.00	0.00
6,120.0	9.27	68.30	5,738.7	756.2	1,856.8	2,004.9	2.00	-2.00	0.00
6,160.0	8.47	68.30	5,778.3	758.5	1,862.6	2,011.1	2.00	-2.00	0.00
6,200.0	7.67	68.30	5,817.9	760.6	1,867.8	2,016.7	2.00	-2.00	0.00
6,240.0	6.87	68.30	5,857.5	762.5	1,872.5	2,021.8	2.00	-2.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,280.0	6.07	68.30	5,897.3	764.1	1,876.7	2,026.3	2.00	-2.00	0.00
6,320.0	5.27	68.30	5,937.1	765.6	1,880.3	2,030.2	2.00	-2.00	0.00
6,360.0	4.47	68.30	5,976.9	766.8	1,883.5	2,033.6	2.00	-2.00	0.00
6,400.0	3.67	68.30	6,016.8	767.9	1,886.1	2,036.4	2.00	-2.00	0.00
6,440.0	2.87	68.30	6,056.8	768.7	1,888.2	2,038.7	2.00	-2.00	0.00
6,480.0	2.07	68.30	6,096.7	769.4	1,889.8	2,040.4	2.00	-2.00	0.00
6,520.0	1.27	68.30	6,136.7	769.8	1,890.9	2,041.6	2.00	-2.00	0.00
6,560.0	0.47	68.30	6,176.7	770.0	1,891.5	2,042.2	2.00	-2.00	0.00
6,583.3	0.00	0.00	6,200.0	770.1	1,891.6	2,042.3	2.00	-2.00	0.00
<b>DRILL TARGET 1353'FSL, 75'FEL - PERMIT TARGET BHL 1353'FSL, 50'FEL</b>									
6,600.0	0.00	0.00	6,216.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,640.0	0.00	0.00	6,256.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,680.0	0.00	0.00	6,296.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,720.0	0.00	0.00	6,336.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,760.0	0.00	0.00	6,376.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,416.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,840.0	0.00	0.00	6,456.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,880.0	0.00	0.00	6,496.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,920.0	0.00	0.00	6,536.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
6,960.0	0.00	0.00	6,576.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,616.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,040.0	0.00	0.00	6,656.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,080.0	0.00	0.00	6,696.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,120.0	0.00	0.00	6,736.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,160.0	0.00	0.00	6,776.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,816.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,240.0	0.00	0.00	6,856.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,280.0	0.00	0.00	6,896.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,320.0	0.00	0.00	6,936.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,360.0	0.00	0.00	6,976.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,016.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,440.0	0.00	0.00	7,056.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,480.0	0.00	0.00	7,096.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,520.0	0.00	0.00	7,136.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,560.0	0.00	0.00	7,176.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,216.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,640.0	0.00	0.00	7,256.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,680.0	0.00	0.00	7,296.7	770.1	1,891.6	2,042.3	0.00	0.00	0.00
7,703.3	0.00	0.00	7,320.0	770.1	1,891.6	2,042.3	0.00	0.00	0.00
<b>HARD LINE 75'E OF BHL</b>									

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Project:</b>	SEC.10-T6N-65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>North Reference:</b>	True
<b>Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (2-23-10)		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
DRILL TARGET 1353	0.00	0.00	6,200.0	770.1	1,891.6	1,425,202.44	3,239,085.16	40° 29' 50.642 N	104° 38' 25.112 W
- plan hits target center									
- Point									
HARD LINE 75'E OF I	0.00	0.00	7,320.0	670.1	1,966.6	1,425,103.21	3,239,161.16	40° 29' 49.654 N	104° 38' 24.140 W
- plan misses target center by 125.0ft at 7703.3ft MD (7320.0 TVD, 770.1 N, 1891.6 E)									
- Polygon									
Point 1			7,320.0	0.0	0.0	1,425,103.21	3,239,161.16		
Point 2			7,320.0	200.0	0.0	1,425,303.19	3,239,159.23		
PERMIT TARGET BH	0.00	0.00	6,200.0	770.1	1,916.6	1,425,202.68	3,239,110.16	40° 29' 50.642 N	104° 38' 24.788 W
- plan misses target center by 25.0ft at 6583.3ft MD (6200.0 TVD, 770.1 N, 1891.6 E)									
- Point									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(ft)	(ft)	Name	(")	(")
	500.5	500.0	8 5/8"	8-5/8	12-1/4





## **Synergy Resources**

**SEC.10-T6N-65W**

**M&T PAD Sec.10-T6N-R65W**

**M&T FARMS 10XD**

**Wellbore #1**

**Plan #1 (2-23-10)**

## **Anticollision Report**

**03 March, 2010**

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Project:</b>	SEC.10-T6N-65W	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Reference Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (2-23-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (2-23-10)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCSWA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 2,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

Survey Tool Program		Date	3/3/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,703.3	Plan #1 (2-23-10) (Wellbore #1)	MWD	MWD - Standard	

Summary							
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning	
Offset Well - Wellbore - Design							
M&T PAD Sec.10-T6N-R65W							
M&T FARMS 10YD - Wellbore #1 - Plan #1 (2-23-10)	308.4	308.4	17.9	16.8	15.842	CC, ES	
M&T FARMS 10YD - Wellbore #1 - Plan #1 (2-23-10)	500.0	499.5	22.3	20.3	11.063	SF	
M&T FARMS 43-10D - Wellbore #1 - Plan #1 (2-23-10)	200.0	200.0	18.0	17.4	27.904	CC	
M&T FARMS 43-10D - Wellbore #1 - Plan #1 (2-23-10)	300.0	300.0	18.2	17.1	16.738	ES	
M&T FARMS 43-10D - Wellbore #1 - Plan #1 (2-23-10)	700.0	699.7	27.7	24.4	8.486	SF	

Offset Design		M&T PAD Sec.10-T6N-R65W - M&T FARMS 10YD - Wellbore #1 - Plan #1 (2-23-10)											Offset Site Error:		0.0 ft		
Survey Program: 0-MWVD															Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.0	0.0	0.0	0.0	0.0	0.0	133.46	-12.4	13.1	18.0								
100.0	100.0	100.0	100.0	0.1	0.1	133.46	-12.4	13.1	18.0	17.8	0.20	92.094					
200.0	200.0	200.0	200.0	0.3	0.3	133.46	-12.4	13.1	18.0	17.4	0.65	27.917					
300.0	300.0	300.0	300.0	0.5	0.5	89.02	-12.4	13.1	17.9	16.8	1.09	16.400					
308.4	308.4	308.4	308.4	0.6	0.6	90.00	-12.4	13.1	17.9	16.8	1.13	15.842 CC, ES					
400.0	399.8	399.8	399.8	0.8	0.8	105.36	-12.4	13.1	18.6	17.0	1.55	12.001					
500.0	499.5	499.5	499.5	1.0	1.0	123.60	-12.4	13.1	22.3	20.3	2.02	11.063 SF					
600.0	598.7	598.7	598.7	1.3	1.2	138.46	-12.4	13.1	30.3	27.8	2.49	12.163					
700.0	697.5	697.5	697.5	1.6	1.4	149.54	-12.4	13.1	42.8	39.9	2.96	14.475					
800.0	795.8	795.8	795.8	2.0	1.7	156.85	-12.4	13.1	59.6	56.2	3.42	17.418					
900.0	893.3	896.0	895.9	2.4	1.9	161.75	-11.4	14.3	78.8	74.9	3.88	20.307					
1,000.0	990.0	996.1	995.9	2.9	2.1	165.11	-8.5	18.3	98.5	94.1	4.32	22.785					
1,100.0	1,085.8	1,095.6	1,095.2	3.5	2.3	166.53	-6.3	25.3	119.7	114.9	4.77	25.067					
1,200.0	1,180.5	1,195.4	1,194.5	4.1	2.5	166.67	-5.5	35.7	142.4	137.1	5.25	27.106					
1,300.0	1,274.0	1,295.4	1,293.5	4.8	2.8	166.04	-6.0	49.2	166.5	160.7	5.77	28.850					
1,400.0	1,366.4	1,395.5	1,392.2	5.6	3.1	165.12	-7.8	65.9	191.8	185.4	6.35	30.180					
1,500.0	1,458.5	1,496.2	1,490.8	6.3	3.4	163.97	-11.0	86.0	215.9	208.9	7.03	30.717					
1,600.0	1,550.6	1,597.5	1,589.3	7.1	3.8	162.29	-15.4	109.4	238.4	230.6	7.80	30.567					
1,700.0	1,642.7	1,699.1	1,687.1	7.9	4.3	160.19	-21.3	136.1	259.5	250.8	8.69	29.850					
1,800.0	1,734.7	1,800.8	1,784.0	8.7	4.8	157.74	-28.4	166.0	279.3	269.5	9.73	28.707					
1,900.0	1,826.8	1,902.3	1,879.6	9.5	5.4	154.99	-36.9	199.0	298.1	287.2	10.93	27.278					
2,000.0	1,918.9	2,003.3	1,973.5	10.4	6.1	151.97	-46.6	235.0	316.3	304.0	12.31	25.703					

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Project:</b>	SEC.10-T6N-65W	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Reference Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (2-23-10)	<b>Offset TVD Reference:</b>	Offset Datum

M&T PAD Sec.10-T6N-R65W - M&T FARMS 10YD - Wellbore #1 - Plan #1 (2-23-10)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,100.0	2,011.0	2,103.6	2,065.4	11.2	6.9	148.74	-57.5	273.6	334.3	320.4	13.87	24.104		
2,200.0	2,103.1	2,200.6	2,153.4	12.0	7.7	145.58	-68.9	312.9	352.6	337.0	15.54	22.693		
2,300.0	2,195.2	2,297.1	2,240.9	12.8	8.5	142.74	-80.2	352.0	371.8	354.6	17.25	21.560		
2,400.0	2,287.3	2,393.6	2,328.4	13.6	9.3	140.18	-91.5	391.1	391.9	372.9	18.98	20.645		
2,500.0	2,379.4	2,490.1	2,415.8	14.4	10.2	137.87	-102.8	430.2	412.7	391.9	20.73	19.903		
2,600.0	2,471.5	2,586.6	2,503.3	15.2	11.0	135.77	-114.1	469.3	434.1	411.6	22.49	19.297		
2,700.0	2,563.6	2,683.1	2,590.8	16.0	11.9	133.87	-125.4	508.4	455.9	431.7	24.25	18.800		
2,800.0	2,655.7	2,779.5	2,678.3	16.9	12.8	132.14	-136.7	547.5	478.3	452.3	26.01	18.388		
2,900.0	2,747.7	2,876.0	2,765.8	17.7	13.6	130.56	-148.0	586.6	501.0	473.2	27.76	18.046		
3,000.0	2,839.8	2,972.5	2,853.2	18.5	14.5	129.12	-159.3	625.7	524.0	494.5	29.51	17.759		
3,100.0	2,931.9	3,069.0	2,940.7	19.3	15.4	127.80	-170.7	664.8	547.4	516.1	31.25	17.516		
3,200.0	3,024.0	3,165.5	3,028.2	20.1	16.2	126.59	-182.0	703.9	571.0	538.0	32.98	17.311		
3,300.0	3,116.1	3,261.9	3,115.7	21.0	17.1	125.47	-193.3	743.0	594.8	560.1	34.71	17.136		
3,400.0	3,208.2	3,358.4	3,203.1	21.8	18.0	124.44	-204.6	782.1	618.8	582.4	36.43	16.987		
3,500.0	3,300.3	3,454.9	3,290.6	22.6	18.9	123.48	-215.9	821.2	643.0	604.9	38.14	16.858		
3,600.0	3,392.4	3,551.4	3,378.1	23.4	19.7	122.59	-227.2	860.3	667.4	627.5	39.85	16.747		
3,700.0	3,484.5	3,647.9	3,465.6	24.2	20.6	121.77	-238.5	899.4	691.9	650.3	41.55	16.650		
3,800.0	3,576.6	3,744.4	3,553.0	25.0	21.5	121.00	-249.8	938.5	716.5	673.3	43.25	16.567		
3,900.0	3,668.6	3,840.8	3,640.5	25.9	22.4	120.28	-261.1	977.6	741.3	696.3	44.94	16.494		
4,000.0	3,760.7	3,937.3	3,728.0	26.7	23.3	119.61	-272.4	1,016.7	766.1	719.5	46.63	16.430		
4,100.0	3,852.8	4,033.8	3,815.5	27.5	24.1	118.98	-283.7	1,055.8	791.0	742.7	48.31	16.374		
4,200.0	3,944.9	4,130.3	3,903.0	28.3	25.0	118.39	-295.1	1,094.9	816.1	766.1	49.99	16.325		
4,300.0	4,037.0	4,226.8	3,990.4	29.1	25.9	117.83	-306.4	1,134.0	841.2	789.5	51.66	16.282		
4,400.0	4,129.1	4,323.2	4,077.9	30.0	26.8	117.30	-317.7	1,173.1	866.3	813.0	53.33	16.244		
4,500.0	4,221.2	4,419.7	4,165.4	30.8	27.7	116.81	-329.0	1,212.2	891.6	836.6	55.00	16.210		
4,600.0	4,313.3	4,516.2	4,252.9	31.6	28.6	116.34	-340.3	1,251.3	916.9	860.2	56.66	16.181		
4,700.0	4,405.4	4,612.7	4,340.3	32.4	29.5	115.90	-351.6	1,290.4	942.2	883.9	58.33	16.155		
4,800.0	4,497.5	4,709.2	4,427.8	33.2	30.3	115.48	-362.9	1,329.5	967.6	907.6	59.98	16.131		
4,900.0	4,589.5	4,805.7	4,515.3	34.1	31.2	115.08	-374.2	1,368.6	993.1	931.4	61.64	16.111		
5,000.0	4,681.6	4,902.1	4,602.8	34.9	32.1	114.70	-385.5	1,407.7	1,018.6	955.3	63.29	16.093		
5,100.0	4,773.7	4,998.6	4,690.2	35.7	33.0	114.34	-396.8	1,446.8	1,044.1	979.1	64.94	16.077		
5,200.0	4,865.8	5,095.1	4,777.7	36.5	33.9	114.00	-408.1	1,485.9	1,069.7	1,003.1	66.59	16.062		
5,300.0	4,957.9	5,191.6	4,865.2	37.3	34.8	113.67	-419.4	1,525.0	1,095.3	1,027.0	68.24	16.050		
5,400.0	5,050.0	5,288.1	4,952.7	38.2	35.7	113.36	-430.8	1,564.1	1,120.9	1,051.0	69.89	16.039		
5,500.0	5,142.4	5,389.5	5,044.9	38.9	36.5	113.34	-442.5	1,604.7	1,146.2	1,074.7	71.50	16.031		
5,600.0	5,235.9	5,495.7	5,142.9	39.5	37.3	113.47	-453.9	1,644.1	1,169.5	1,096.7	72.84	16.056		
5,700.0	5,330.7	5,602.9	5,243.2	40.1	37.9	113.59	-464.4	1,680.3	1,190.8	1,116.7	74.06	16.078		
5,800.0	5,426.4	5,711.0	5,345.8	40.5	38.5	113.70	-473.9	1,713.1	1,209.9	1,134.7	75.17	16.096		
5,900.0	5,523.2	5,819.9	5,450.3	41.0	39.1	113.79	-482.3	1,742.4	1,226.8	1,150.6	76.15	16.110		
6,000.0	5,620.7	5,929.6	5,556.7	41.3	39.5	113.87	-489.7	1,768.0	1,241.5	1,164.5	77.01	16.120		
6,100.0	5,719.0	6,039.8	5,664.6	41.7	39.9	113.94	-496.0	1,789.8	1,253.9	1,176.1	77.75	16.127		
6,200.0	5,817.9	6,150.7	5,773.8	41.9	40.2	113.99	-501.2	1,807.6	1,264.0	1,185.6	78.37	16.129		
6,300.0	5,917.2	6,261.9	5,884.1	42.2	40.5	114.04	-505.2	1,821.5	1,271.8	1,192.9	78.87	16.126		
6,400.0	6,016.8	6,373.5	5,995.2	42.3	40.7	114.06	-508.0	1,831.2	1,277.3	1,198.0	79.25	16.117		
6,500.0	6,116.7	6,485.3	6,106.8	42.5	40.9	114.08	-509.6	1,836.8	1,280.4	1,200.9	79.52	16.102		
6,600.0	6,216.7	6,595.2	6,216.7	42.5	41.0	-177.62	-510.1	1,838.3	1,281.2	1,201.6	79.68	16.080		
6,700.0	6,316.7	6,695.2	6,316.7	42.6	41.0	-177.62	-510.1	1,838.3	1,281.2	1,201.4	79.83	16.050		
6,800.0	6,416.7	6,795.2	6,416.7	42.7	41.1	-177.62	-510.1	1,838.3	1,281.2	1,201.3	79.98	16.020		
6,900.0	6,516.7	6,895.2	6,516.7	42.7	41.2	-177.62	-510.1	1,838.3	1,281.2	1,201.1	80.13	15.990		
7,000.0	6,616.7	6,995.2	6,616.7	42.8	41.2	-177.62	-510.1	1,838.3	1,281.2	1,201.0	80.28	15.959		
7,100.0	6,716.7	7,095.2	6,716.7	42.9	41.3	-177.62	-510.1	1,838.3	1,281.2	1,200.8	80.44	15.928		
7,200.0	6,816.7	7,195.2	6,816.7	43.0	41.4	-177.62	-510.1	1,838.3	1,281.2	1,200.6	80.60	15.897		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Project:</b>	SEC.10-T6N-65W	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Reference Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (2-23-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> M&T PAD Sec.10-T6N-R65W - M&T FARMS 10YD - Wellbore #1 - Plan #1 (2-23-10)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,300.0	6,916.7	7,295.2	6,916.7	43.0	41.5	-177.62	-510.1	1,838.3	1,281.2	1,200.5	80.76	15.865	
7,400.0	7,016.7	7,395.2	7,016.7	43.1	41.6	-177.62	-510.1	1,838.3	1,281.2	1,200.3	80.92	15.833	
7,500.0	7,116.7	7,495.2	7,116.7	43.2	41.6	-177.62	-510.1	1,838.3	1,281.2	1,200.2	81.09	15.801	
7,600.0	7,216.7	7,595.2	7,216.7	43.3	41.7	-177.62	-510.1	1,838.3	1,281.2	1,200.0	81.26	15.768	
7,700.0	7,316.7	7,695.2	7,316.7	43.4	41.8	-177.62	-510.1	1,838.3	1,281.2	1,199.8	81.43	15.735	
7,703.3	7,320.0	7,698.4	7,320.0	43.4	41.8	-177.62	-510.1	1,838.3	1,281.2	1,199.8	81.43	15.734	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Project:</b>	SEC.10-T6N-65W	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Reference Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (2-23-10)	<b>Offset TVD Reference:</b>	Offset Datum

M&T PAD Sec.10-T6N-R65W - M&T FARMS 43-10D - Wellbore #1 - Plan #1 (2-23-10)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-46.57	12.4	-13.1	18.0					
100.0	100.0	100.0	100.0	0.1	0.1	-46.57	12.4	-13.1	18.0	17.8	0.20	92.051		
200.0	200.0	200.0	200.0	0.3	0.3	-46.57	12.4	-13.1	18.0	17.4	0.65	27.904 CC		
300.0	300.0	300.0	300.0	0.5	0.5	-96.53	13.7	-11.9	18.2	17.1	1.09	16.738 ES		
400.0	399.8	400.0	399.8	0.8	0.8	-96.42	17.5	-8.3	18.9	17.3	1.55	12.208		
500.0	499.5	500.0	499.4	1.0	1.0	-99.86	23.9	-2.4	20.1	18.1	2.05	9.837		
600.0	598.7	599.9	598.6	1.3	1.3	-103.39	32.8	5.9	23.0	20.4	2.61	8.810		
700.0	697.5	699.7	697.2	1.6	1.6	-104.51	44.3	16.5	27.7	24.4	3.26	8.486 SF		
800.0	795.8	799.4	795.1	2.0	2.0	-104.62	58.2	29.4	34.1	30.1	4.00	8.518		
900.0	893.3	898.9	892.0	2.4	2.4	-104.36	74.7	44.5	42.4	37.5	4.86	8.723		
1,000.0	990.0	998.2	987.9	2.9	2.9	-104.02	93.5	62.0	52.4	46.6	5.82	9.002		
1,100.0	1,085.8	1,097.2	1,082.6	3.5	3.5	-103.67	114.7	81.6	64.2	57.3	6.90	9.301		
1,200.0	1,180.5	1,195.9	1,175.9	4.1	4.1	-103.35	138.2	103.3	77.8	69.7	8.11	9.594		
1,300.0	1,274.0	1,294.2	1,267.8	4.8	4.8	-103.09	163.9	127.1	93.0	83.6	9.43	9.868		
1,400.0	1,366.4	1,392.9	1,359.5	5.6	5.5	-103.81	190.5	151.7	109.6	98.7	10.84	10.105		
1,500.0	1,458.5	1,491.4	1,451.2	6.3	6.2	-104.58	217.2	176.4	126.3	114.1	12.29	10.280		
1,600.0	1,550.6	1,590.0	1,542.8	7.1	6.9	-105.18	243.8	201.0	143.1	129.4	13.75	10.411		
1,700.0	1,642.7	1,688.6	1,634.5	7.9	7.6	-105.65	270.4	225.6	159.9	144.7	15.21	10.511		
1,800.0	1,734.7	1,787.1	1,726.1	8.7	8.3	-106.03	297.1	250.3	176.7	160.0	16.69	10.590		
1,900.0	1,826.8	1,885.7	1,817.8	9.5	9.0	-106.34	323.7	274.9	193.5	175.4	18.17	10.654		
2,000.0	1,918.9	1,984.3	1,909.5	10.4	9.8	-106.60	350.3	299.6	210.4	190.7	19.65	10.707		
2,100.0	2,011.0	2,082.9	2,001.1	11.2	10.5	-106.83	377.0	324.2	227.2	206.0	21.13	10.750		
2,200.0	2,103.1	2,181.4	2,092.8	12.0	11.2	-107.02	403.6	348.8	244.0	221.4	22.62	10.788		
2,300.0	2,195.2	2,280.0	2,184.4	12.8	11.9	-107.19	430.2	373.5	260.8	236.7	24.11	10.819		
2,400.0	2,287.3	2,378.6	2,276.1	13.6	12.7	-107.34	456.9	398.1	277.6	252.0	25.60	10.847		
2,500.0	2,379.4	2,477.1	2,367.7	14.4	13.4	-107.47	483.5	422.7	294.5	267.4	27.09	10.871		
2,600.0	2,471.5	2,575.7	2,459.4	15.2	14.1	-107.59	510.1	447.4	311.3	282.7	28.58	10.892		
2,700.0	2,563.6	2,674.3	2,551.0	16.0	14.8	-107.69	536.7	472.0	328.1	298.1	30.07	10.911		
2,800.0	2,655.7	2,772.9	2,642.7	16.9	15.6	-107.79	563.4	496.6	345.0	313.4	31.57	10.927		
2,900.0	2,747.7	2,871.4	2,734.3	17.7	16.3	-107.88	590.0	521.3	361.8	328.7	33.06	10.942		
3,000.0	2,839.8	2,970.0	2,826.0	18.5	17.0	-107.95	616.6	545.9	378.6	344.1	34.56	10.956		
3,100.0	2,931.9	3,068.6	2,917.6	19.3	17.8	-108.03	643.3	570.5	395.5	359.4	36.06	10.968		
3,200.0	3,024.0	3,167.1	3,009.3	20.1	18.5	-108.09	669.9	595.2	412.3	374.7	37.55	10.979		
3,300.0	3,116.1	3,265.7	3,100.9	21.0	19.2	-108.15	696.5	619.8	429.1	390.1	39.05	10.990		
3,400.0	3,208.2	3,364.3	3,192.6	21.8	20.0	-108.21	723.2	644.4	446.0	405.4	40.55	10.999		
3,500.0	3,300.3	3,462.9	3,284.2	22.6	20.7	-108.26	749.8	669.1	462.8	420.8	42.04	11.008		
3,600.0	3,392.4	3,561.4	3,375.9	23.4	21.4	-108.31	776.4	693.7	479.6	436.1	43.54	11.016		
3,700.0	3,484.5	3,660.0	3,467.6	24.2	22.2	-108.35	803.1	718.3	496.5	451.4	45.04	11.023		
3,800.0	3,576.6	3,758.6	3,559.2	25.0	22.9	-108.40	829.7	743.0	513.3	466.8	46.54	11.030		
3,900.0	3,668.6	3,857.1	3,650.9	25.9	23.6	-108.44	856.3	767.6	530.1	482.1	48.04	11.036		
4,000.0	3,760.7	3,955.7	3,742.5	26.7	24.3	-108.47	883.0	792.2	547.0	497.4	49.54	11.042		
4,100.0	3,852.8	4,054.3	3,834.2	27.5	25.1	-108.51	909.6	816.9	563.8	512.8	51.04	11.048		
4,200.0	3,944.9	4,152.9	3,925.8	28.3	25.8	-108.54	936.2	841.5	580.7	528.1	52.53	11.053		
4,300.0	4,037.0	4,251.4	4,017.5	29.1	26.5	-108.57	962.8	866.2	597.5	543.5	54.03	11.058		
4,400.0	4,129.1	4,350.0	4,109.1	30.0	27.3	-108.60	989.5	890.8	614.3	558.8	55.53	11.062		
4,500.0	4,221.2	4,448.6	4,200.8	30.8	28.0	-108.63	1,016.1	915.4	631.2	574.1	57.03	11.067		
4,600.0	4,313.3	4,547.2	4,292.4	31.6	28.7	-108.65	1,042.7	940.1	648.0	589.5	58.53	11.071		
4,700.0	4,405.4	4,645.7	4,384.1	32.4	29.5	-108.68	1,069.4	964.7	664.8	604.8	60.03	11.075		
4,800.0	4,497.5	4,744.3	4,475.7	33.2	30.2	-108.70	1,096.0	989.3	681.7	620.1	61.53	11.078		
4,900.0	4,589.5	4,842.9	4,567.4	34.1	30.9	-108.73	1,122.6	1,014.0	698.5	635.5	63.03	11.082		
5,000.0	4,681.6	4,941.4	4,659.0	34.9	31.7	-108.75	1,149.3	1,038.6	715.4	650.8	64.53	11.085		
5,100.0	4,773.7	5,040.0	4,750.7	35.7	32.4	-108.77	1,175.9	1,063.2	732.2	666.2	66.03	11.088		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well M&T FARMS 10XD
<b>Project:</b>	SEC.10-T6N-65W	<b>TVD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Reference Site:</b>	M&T PAD Sec.10-T6N-R65W	<b>MD Reference:</b>	10XD @ 4759.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	M&T FARMS 10XD	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (2-23-10)	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design M&T PAD Sec.10-T6N-R65W - M&T FARMS 43-10D - Wellbore #1 - Plan #1 (2-23-10)												Offset Site Error:	0.0ft
Survey Program: 0-MWD												Offset Well Error:	0.0ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,200.0	4,865.8	5,138.6	4,842.4	36.5	33.1	-108.79	1,202.5	1,087.9	749.0	681.5	67.53	11.091	
5,300.0	4,957.9	5,237.2	4,934.0	37.3	33.9	-108.81	1,229.2	1,112.5	765.9	696.8	69.03	11.094	
5,400.0	5,050.0	5,335.7	5,025.7	38.2	34.6	-108.82	1,255.8	1,137.1	782.7	712.2	70.54	11.097	
5,500.0	5,142.4	5,434.3	5,117.3	38.9	35.3	-108.99	1,282.4	1,161.8	799.3	727.3	72.00	11.102	
5,600.0	5,235.9	5,534.8	5,211.1	39.5	36.0	-109.10	1,309.0	1,186.3	814.8	741.6	73.25	11.123	
5,700.0	5,330.7	5,636.4	5,307.0	40.1	36.5	-109.18	1,333.5	1,209.0	828.9	754.6	74.35	11.149	
5,800.0	5,426.4	5,738.3	5,404.4	40.5	37.0	-109.25	1,355.5	1,229.4	841.5	766.2	75.34	11.170	
5,900.0	5,523.2	5,840.6	5,503.1	41.0	37.4	-109.32	1,375.1	1,247.5	852.7	776.5	76.23	11.186	
6,000.0	5,620.7	5,943.1	5,603.0	41.3	37.8	-109.37	1,392.1	1,263.2	862.4	785.4	77.01	11.198	
6,100.0	5,719.0	6,045.8	5,703.8	41.7	38.2	-109.42	1,406.5	1,276.5	870.5	792.8	77.69	11.205	
6,200.0	5,817.9	6,148.8	5,805.5	41.9	38.5	-109.46	1,418.2	1,287.4	877.2	798.9	78.26	11.208	
6,300.0	5,917.2	6,251.9	5,907.9	42.2	38.7	-109.49	1,427.3	1,295.8	882.3	803.6	78.73	11.207	
6,400.0	6,016.8	6,355.1	6,010.8	42.3	38.9	-109.51	1,433.7	1,301.7	885.9	806.8	79.10	11.200	
6,500.0	6,116.7	6,458.4	6,114.0	42.5	39.0	-109.53	1,437.3	1,305.1	888.0	808.6	79.36	11.189	
6,600.0	6,216.7	6,561.2	6,216.7	42.5	39.1	-41.23	1,438.3	1,305.9	888.5	809.0	79.53	11.172	
6,700.0	6,316.7	6,661.2	6,316.7	42.6	39.2	-41.23	1,438.3	1,305.9	888.5	808.8	79.67	11.152	
6,800.0	6,416.7	6,761.2	6,416.7	42.7	39.3	-41.23	1,438.3	1,305.9	888.5	808.7	79.82	11.132	
6,900.0	6,516.7	6,861.2	6,516.7	42.7	39.3	-41.23	1,438.3	1,305.9	888.5	808.5	79.97	11.111	
7,000.0	6,616.7	6,961.2	6,616.7	42.8	39.4	-41.23	1,438.3	1,305.9	888.5	808.4	80.12	11.090	
7,100.0	6,716.7	7,061.2	6,716.7	42.9	39.5	-41.23	1,438.3	1,305.9	888.5	808.2	80.27	11.069	
7,200.0	6,816.7	7,161.2	6,816.7	43.0	39.6	-41.23	1,438.3	1,305.9	888.5	808.1	80.43	11.047	
7,300.0	6,916.7	7,261.2	6,916.7	43.0	39.7	-41.23	1,438.3	1,305.9	888.5	807.9	80.59	11.025	
7,400.0	7,016.7	7,361.2	7,016.7	43.1	39.7	-41.23	1,438.3	1,305.9	888.5	807.8	80.75	11.003	
7,500.0	7,116.7	7,461.2	7,116.7	43.2	39.8	-41.23	1,438.3	1,305.9	888.5	807.6	80.91	10.981	
7,600.0	7,216.7	7,561.2	7,216.7	43.3	39.9	-41.23	1,438.3	1,305.9	888.5	807.4	81.08	10.959	
7,700.0	7,316.7	7,661.2	7,316.7	43.4	40.0	-41.23	1,438.3	1,305.9	888.5	807.3	81.24	10.936	
7,703.3	7,320.0	7,664.5	7,320.0	43.4	40.0	-41.23	1,438.3	1,305.9	888.5	807.3	81.25	10.936	

**Company:** Synergy Resources  
**Project:** SEC.10-T6N-65W  
**Reference Site:** M&T PAD Sec.10-T6N-R65W  
**Site Error:** 0.0ft  
**Reference Well:** M&T FARMS 10XD  
**Well Error:** 0.0ft  
**Reference Wellbore:** Wellbore #1  
**Reference Design:** Plan #1 (2-23-10)

**Local Co-ordinate Reference:** Well M&T FARMS 10XD  
**TVD Reference:** 10XD @ 4759.0ft (Original Well Elev)  
**MD Reference:** 10XD @ 4759.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** EDM den0-adp01 Server Data  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to 10XD @ 4759.0ft (Original Well Elev) Coordinates are relative to: M&T FARMS 10XD  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.55°

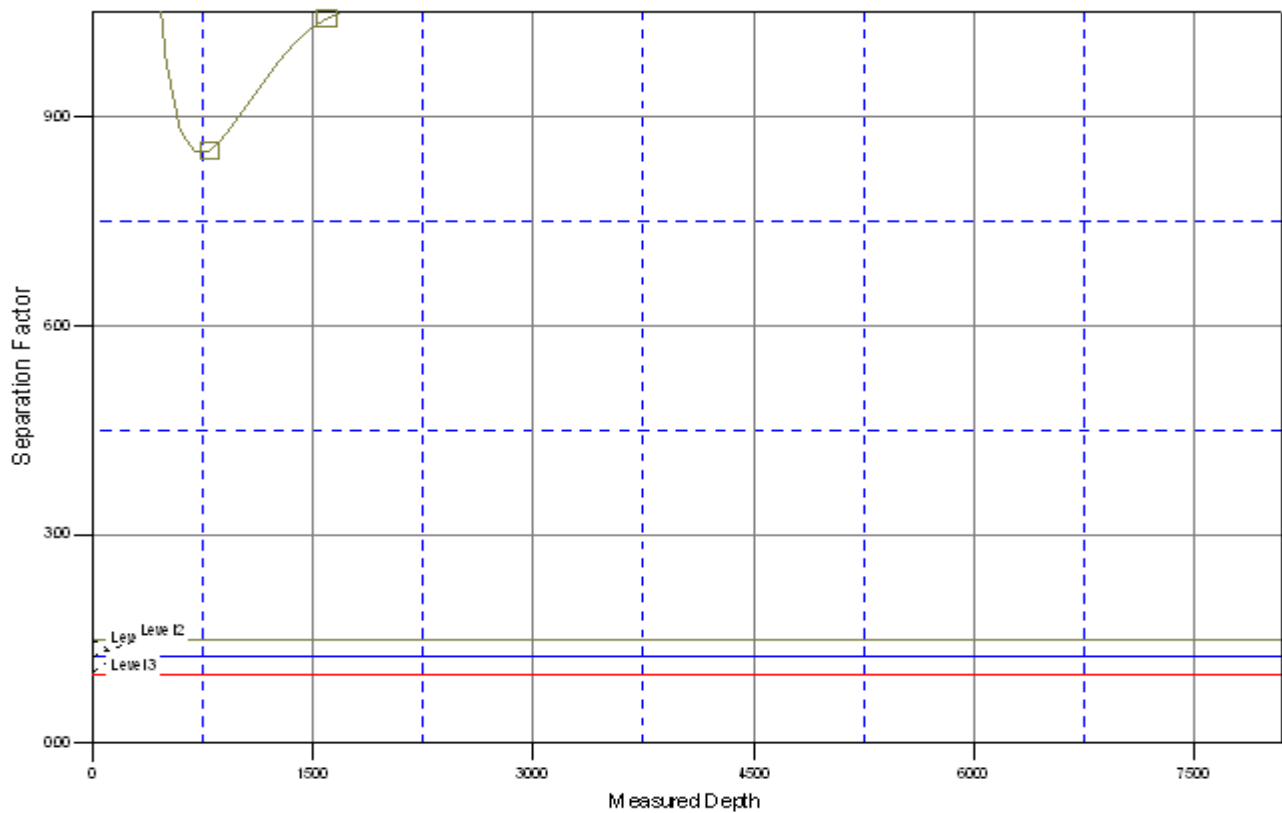


**Company:** Synergy Resources  
**Project:** SEC.10-T6N-65W  
**Reference Site:** M&T PAD Sec.10-T6N-R65W  
**Site Error:** 0.0ft  
**Reference Well:** M&T FARMS 10XD  
**Well Error:** 0.0ft  
**Reference Wellbore:** Wellbore #1  
**Reference Design:** Plan #1 (2-23-10)

**Local Co-ordinate Reference:** Well M&T FARMS 10XD  
**TVD Reference:** 10XD @ 4759.0ft (Original Well Elev)  
**MD Reference:** 10XD @ 4759.0ft (Original Well Elev)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** EDM den0-adp01 Server Data  
**Offset TVD Reference:** Offset Datum

Reference Depths are relative to 10XD @ 4759.0ft (Original Well Elev) Coordinates are relative to: M&T FARMS 10XD  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.55°

## Separation Factor Plot



## LEGEND

M&T FARMS 10XD, Wellbore #1, Plan #1 (2-23-10) \VD — M&T FARMS 10XD, Wellbore #1, Plan #1 (2-23-10) \VD