



Final Survey Plot

Projected Final Survey -
 7450'MD & 7321'TVD @ 972' VS
 4.7 deg Inc 137.6 deg AZ

Project: SEC.10-T6N-R65W
 Site: M&T PAD Sec.10-T6N-R65W
 Well: M&T FARMS 10DD
 Plan: Wellbore #1



Synergy Resources

SEC.10-T6N-R65W

M&T PAD Sec.10-T6N-R65W

M&T FARMS 10DD

Wellbore #1

Survey: Survey #1

Standard Survey Report

05 August, 2010

Company:	Synergy Resources	Local Co-ordinate Reference:	Well M&T FARMS 10DD
Project:	SEC.10-T6N-R65W	TVD Reference:	10DD @ 4760.0ft (Original Well Elev)
Site:	M&T PAD Sec.10-T6N-R65W	MD Reference:	10DD @ 4760.0ft (Original Well Elev)
Well:	M&T FARMS 10DD	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.10-T6N-R65W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	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 10DD, SHL LAT: 40.495389, LONG: -104.647250					
Well Position	+N/-S	0.0 ft	Northing:	1,424,451.03 ft	Latitude:	40° 29' 43.400 N
	+E/-W	0.0 ft	Easting:	3,237,161.87 ft	Longitude:	104° 38' 50.100 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	4,760.0 ft	Ground Level:	4,747.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/13/2010	8.93	67.18	53,292

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	47.94	

Survey Program		Date	8/5/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
609.0	7,450.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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
	609.0	1.30	165.70	608.9	-6.7	1.7	-3.2	0.21	0.21	0.00
	703.0	1.40	96.40	702.9	-7.9	3.1	-3.0	1.64	0.11	-73.72
	797.0	3.30	48.50	796.9	-6.2	6.3	0.5	2.74	2.02	-50.96
	891.0	6.20	42.00	890.5	-0.6	11.7	8.3	3.13	3.09	-6.91
	984.0	7.70	42.70	982.8	7.7	19.3	19.5	1.62	1.61	0.75
	1,078.0	9.50	42.20	1,075.8	18.1	28.8	33.5	1.92	1.91	-0.53
	1,172.0	11.70	43.10	1,168.2	30.8	40.5	50.7	2.35	2.34	0.96
	1,266.0	13.60	43.10	1,259.9	45.8	54.6	71.2	2.02	2.02	0.00
	1,358.0	15.00	40.00	1,349.0	62.8	69.6	93.8	1.73	1.52	-3.37
	1,452.0	15.30	38.70	1,439.8	81.8	85.2	118.0	0.48	0.32	-1.38
	1,546.0	15.40	40.00	1,530.4	101.1	101.0	142.7	0.38	0.11	1.38
	1,639.0	15.30	41.30	1,620.1	119.7	117.0	167.1	0.39	-0.11	1.40

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Well:	M&T FARMS 10DD	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)	
1,733.0	14.50	43.20	1,710.9	137.6	133.2	191.1	1.00	-0.85	2.02	
1,826.0	14.30	43.00	1,801.0	154.5	149.0	214.2	0.22	-0.22	-0.22	
1,920.0	15.50	42.70	1,891.8	172.2	165.5	238.2	1.28	1.28	-0.32	
2,015.0	15.40	41.50	1,983.4	191.0	182.4	263.4	0.35	-0.11	-1.26	
2,109.0	14.90	44.30	2,074.1	209.0	199.1	287.9	0.94	-0.53	2.98	
2,202.0	14.20	45.70	2,164.2	225.5	215.7	311.2	0.84	-0.75	1.51	
2,296.0	15.80	44.10	2,255.0	242.8	232.8	335.5	1.76	1.70	-1.70	
2,390.0	15.00	44.40	2,345.6	260.7	250.2	360.4	0.86	-0.85	0.32	
2,484.0	14.10	44.70	2,436.6	277.5	266.8	384.0	0.96	-0.96	0.32	
2,577.0	14.80	42.40	2,526.6	294.3	282.8	407.1	0.97	0.75	-2.47	
2,671.0	16.00	41.60	2,617.2	312.9	299.5	431.9	1.30	1.28	-0.85	
2,764.0	15.30	41.60	2,706.8	331.6	316.1	456.9	0.75	-0.75	0.00	
2,858.0	14.80	46.50	2,797.6	349.2	333.1	481.2	1.45	-0.53	5.21	
2,952.0	17.70	47.30	2,887.8	367.1	352.3	507.5	3.09	3.09	0.85	
3,046.0	16.60	45.80	2,977.6	386.2	372.4	535.2	1.26	-1.17	-1.60	
3,139.0	16.90	45.50	3,066.7	404.9	391.6	562.0	0.34	0.32	-0.32	
3,233.0	19.00	44.30	3,156.1	425.4	412.0	590.9	2.27	2.23	-1.28	
3,327.0	16.90	42.60	3,245.5	446.5	432.0	619.8	2.30	-2.23	-1.81	
3,421.0	13.60	37.80	3,336.2	465.3	448.0	644.3	3.76	-3.51	-5.11	
3,516.0	13.80	37.20	3,428.5	483.1	461.7	666.4	0.26	0.21	-0.63	
3,608.0	14.20	41.90	3,517.8	500.2	475.9	688.4	1.31	0.43	5.11	
3,702.0	14.10	42.00	3,608.9	517.3	491.2	711.3	0.11	-0.11	0.11	
3,796.0	14.80	41.30	3,699.9	534.9	506.8	734.6	0.77	0.74	-0.74	
3,889.0	16.00	43.90	3,789.6	553.0	523.5	759.2	1.49	1.29	2.80	
3,983.0	16.90	43.70	3,879.8	572.2	542.0	785.7	0.96	0.96	-0.21	
4,077.0	17.60	42.30	3,969.5	592.6	561.0	813.5	0.87	0.74	-1.49	
4,170.0	18.10	42.00	4,058.1	613.8	580.1	841.8	0.55	0.54	-0.32	
4,264.0	16.60	38.30	4,147.8	635.2	598.2	869.6	1.98	-1.60	-3.94	
4,358.0	13.40	39.20	4,238.6	654.1	613.4	893.6	3.41	-3.40	0.96	
4,451.0	11.80	39.20	4,329.3	669.9	626.2	913.7	1.72	-1.72	0.00	
4,545.0	10.20	37.80	4,421.6	683.9	637.4	931.4	1.73	-1.70	-1.49	
4,639.0	8.10	37.80	4,514.4	695.7	646.5	946.1	2.23	-2.23	0.00	
4,733.0	6.90	43.60	4,607.6	705.0	654.5	958.2	1.51	-1.28	6.17	
4,827.0	5.50	38.50	4,701.0	712.6	661.2	968.3	1.60	-1.49	-5.43	
4,921.0	3.80	34.70	4,794.7	718.7	665.8	975.8	1.84	-1.81	-4.04	
5,015.0	2.40	42.20	4,888.6	722.7	668.9	980.8	1.55	-1.49	7.98	
5,109.0	0.20	33.20	4,982.6	724.3	670.3	982.9	2.34	-2.34	-9.57	
5,296.0	0.30	116.50	5,169.5	724.4	670.9	983.4	0.18	0.05	44.55	
5,326.6	0.36	124.97	5,200.1	724.3	671.1	983.4	0.24	0.18	27.69	
DRILL TARGET BHL 1358'FSL, 1326'FEL										
5,483.0	0.70	143.80	5,356.5	723.2	672.0	983.4	0.24	0.22	12.04	
5,671.0	0.90	117.70	5,544.5	721.6	674.0	983.8	0.22	0.11	-13.88	
5,859.0	0.70	72.70	5,732.5	721.3	676.4	985.4	0.34	-0.11	-23.94	
6,047.0	1.30	142.70	5,920.5	719.9	678.8	986.3	0.66	0.32	37.23	
6,234.0	1.50	149.40	6,107.4	716.1	681.3	985.6	0.14	0.11	3.58	
6,422.0	1.90	150.00	6,295.3	711.3	684.1	984.4	0.21	0.21	0.32	
6,609.0	2.40	158.10	6,482.2	705.0	687.1	982.5	0.31	0.27	4.33	
6,796.0	3.20	147.70	6,669.0	697.0	691.4	980.2	0.51	0.43	-5.56	
6,825.5	3.45	147.94	6,698.5	695.5	692.3	979.9	0.85	0.85	0.81	
LEGAL WINDOW 800' X 800' 1358'FSL, 1326'FEL										
6,984.0	4.80	148.80	6,856.5	685.8	698.3	977.8	0.85	0.85	0.54	
7,171.0	5.60	142.10	7,042.8	671.9	707.9	975.7	0.54	0.43	-3.58	
7,402.0	4.70	137.60	7,272.8	656.0	721.2	975.0	0.43	-0.39	-1.95	
7,450.0	4.70	137.60	7,320.7	653.1	723.9	975.0	0.00	0.00	0.00	

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