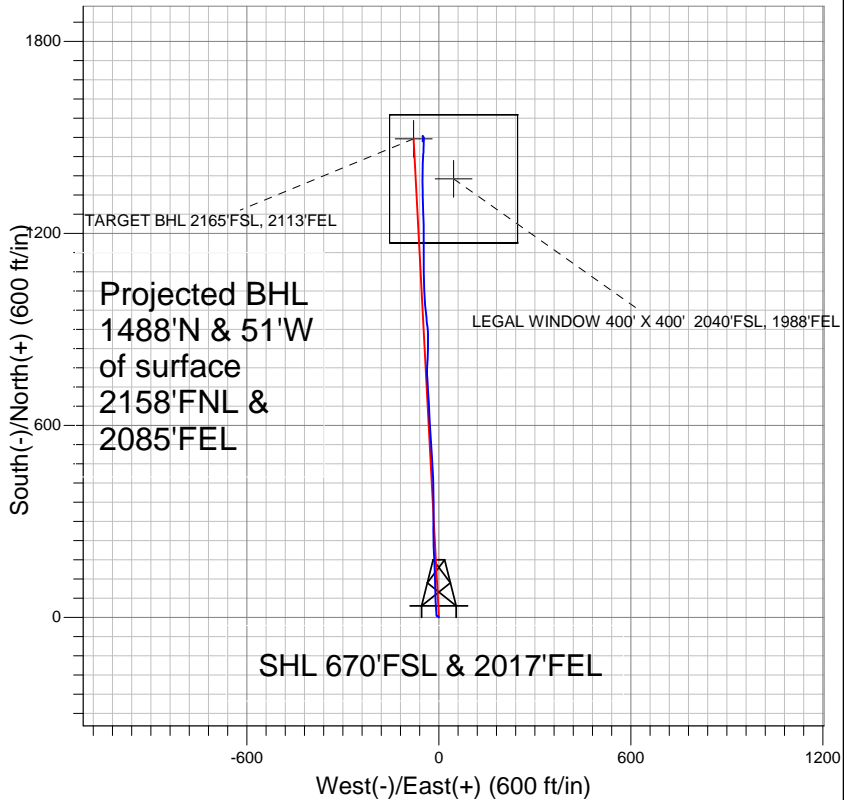


Synergy Resources



LEGEND

- M&T FARMS 33-10D, Wellbore #1, Plan #2 (7-8-10) V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7530'MD & 7267'TVD @ 1489' VS
1.4 deg Inc 196.0 deg AZ

Project: SEC.10-T6N-R65W
Site: M&T PAD Sec.10-T6N-R65W
Well: M&T FARMS 33-10D
Plan: Wellbore #1



Directional

Synergy Resources

SEC.10-T6N-R65W

M&T PAD Sec.10-T6N-R65W

M&T FARMS 33-10D

Wellbore #1

Design: Wellbore #1

Standard Survey Report

22 September, 2010

Company:	Synergy Resources	Local Co-ordinate Reference:	Well M&T FARMS 33-10D
Project:	SEC.10-T6N-R65W	TVD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Site:	M&T PAD Sec.10-T6N-R65W	MD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Well:	M&T FARMS 33-10D	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 33-10D, SHL LAT: 40.495423, LONG: -104.647297					
Well Position	+N/-S	0.0 ft	Northing:	1,424,463.29 ft	Latitude:	40° 29' 43.523 N
	+E/-W	0.0 ft	Easting:	3,237,148.68 ft	Longitude:	104° 38' 50.269 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	7/12/2010	8.94	67.18	53,293

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	358.04	

Survey Program		Date	8/5/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
118.0	7,530.0	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	
118.0	2.20	314.40	118.0	1.6	-1.6	1.6	1.86	1.86	0.00	
210.0	0.80	314.90	209.9	3.3	-3.3	3.4	1.52	-1.52	0.54	
302.0	0.40	307.80	301.9	3.9	-4.0	4.1	0.44	-0.43	-7.72	
393.0	0.40	277.60	392.9	4.2	-4.6	4.3	0.23	0.00	-33.19	
485.0	0.50	290.20	484.9	4.3	-5.3	4.5	0.15	0.11	13.70	
520.0	0.60	292.40	519.9	4.5	-5.6	4.7	0.29	0.29	6.29	
568.0	0.60	292.40	567.9	4.7	-6.1	4.9	0.00	0.00	0.00	
703.0	0.10	249.40	702.9	4.9	-6.8	5.1	0.39	-0.37	-31.85	
797.0	0.20	340.00	796.9	5.0	-7.0	5.2	0.24	0.11	96.38	
891.0	0.30	355.20	890.9	5.4	-7.1	5.6	0.13	0.11	16.17	
984.0	1.50	0.50	983.9	6.9	-7.1	7.1	1.29	1.29	5.70	
1,078.0	3.60	358.00	1,077.8	11.0	-7.2	11.3	2.24	2.23	-2.66	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well M&T FARMS 33-10D
Project:	SEC.10-T6N-R65W	TVD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Site:	M&T PAD Sec.10-T6N-R65W	MD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Well:	M&T FARMS 33-10D	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)	
1,172.0	5.80	353.10	1,171.5	18.7	-7.8	19.0	2.38	2.34	-5.21	
1,266.0	7.60	357.60	1,264.8	29.6	-8.7	29.9	1.99	1.91	4.79	
1,358.0	10.00	355.30	1,355.8	43.7	-9.6	44.0	2.64	2.61	-2.50	
1,452.0	11.60	358.30	1,448.1	61.3	-10.5	61.6	1.80	1.70	3.19	
1,546.0	14.00	357.40	1,539.7	82.1	-11.3	82.4	2.56	2.55	-0.96	
1,639.0	14.70	358.20	1,629.8	105.1	-12.2	105.5	0.78	0.75	0.86	
1,733.0	15.60	1.50	1,720.6	129.7	-12.2	130.0	1.33	0.96	3.51	
1,826.0	16.00	356.00	1,810.1	154.9	-12.8	155.3	1.67	0.43	-5.91	
1,920.0	17.80	357.90	1,900.0	182.2	-14.2	182.6	2.00	1.91	2.02	
2,015.0	19.70	357.00	1,990.0	212.7	-15.6	213.1	2.02	2.00	-0.95	
2,109.0	21.60	359.10	2,077.9	245.9	-16.7	246.3	2.17	2.02	2.23	
2,202.0	21.80	0.00	2,164.3	280.2	-17.0	280.7	0.42	0.22	0.97	
2,296.0	22.80	1.70	2,251.3	315.9	-16.4	316.3	1.27	1.06	1.81	
2,390.0	21.10	358.40	2,338.5	351.0	-16.4	351.4	2.23	-1.81	-3.51	
2,484.0	20.60	359.70	2,426.3	384.5	-16.9	384.8	0.72	-0.53	1.38	
2,577.0	20.40	357.80	2,513.4	417.0	-17.6	417.4	0.75	-0.22	-2.04	
2,671.0	22.30	359.00	2,601.0	451.2	-18.6	451.6	2.07	2.02	1.28	
2,764.0	21.80	355.70	2,687.2	486.1	-20.2	486.5	1.44	-0.54	-3.55	
2,858.0	23.10	355.70	2,774.1	521.9	-22.9	522.4	1.38	1.38	0.00	
2,952.0	23.30	356.10	2,860.5	558.8	-25.5	559.4	0.27	0.21	0.43	
3,046.0	24.90	357.90	2,946.3	597.2	-27.5	597.8	1.87	1.70	1.91	
3,139.0	23.00	357.40	3,031.2	634.9	-29.1	635.5	2.05	-2.04	-0.54	
3,233.0	23.50	356.40	3,117.6	671.9	-31.1	672.6	0.68	0.53	-1.06	
3,327.0	24.30	356.10	3,203.6	709.9	-33.6	710.7	0.86	0.85	-0.32	
3,421.0	20.70	355.80	3,290.4	745.8	-36.1	746.6	3.83	-3.83	-0.32	
3,515.0	19.50	2.40	3,378.7	778.1	-36.6	778.9	2.73	-1.28	7.02	
3,608.0	21.10	3.20	3,465.9	810.3	-35.1	811.0	1.75	1.72	0.86	
3,702.0	20.40	1.20	3,553.8	843.6	-33.8	844.2	1.06	-0.74	-2.13	
3,796.0	19.30	359.90	3,642.2	875.5	-33.5	876.1	1.26	-1.17	-1.38	
3,889.0	20.30	352.60	3,729.7	906.8	-35.6	907.5	2.87	1.08	-7.85	
3,983.0	21.50	354.90	3,817.5	940.2	-39.2	941.0	1.55	1.28	2.45	
4,077.0	22.20	354.50	3,904.8	975.0	-42.4	975.9	0.76	0.74	-0.43	
4,170.0	23.20	356.80	3,990.6	1,010.8	-45.1	1,011.7	1.44	1.08	2.47	
4,264.0	24.00	359.80	4,076.7	1,048.4	-46.2	1,049.4	1.53	0.85	3.19	
4,358.0	22.00	359.20	4,163.2	1,085.1	-46.5	1,086.1	2.14	-2.13	-0.64	
4,451.0	22.70	358.90	4,249.3	1,120.5	-47.1	1,121.4	0.76	0.75	-0.32	
4,545.0	22.10	0.00	4,336.2	1,156.3	-47.5	1,157.2	0.78	-0.64	1.17	
4,639.0	21.40	0.20	4,423.5	1,191.1	-47.4	1,192.1	0.75	-0.74	0.21	
4,733.0	23.10	359.00	4,510.5	1,226.7	-47.7	1,227.6	1.87	1.81	-1.28	
4,827.0	23.80	358.10	4,596.7	1,264.1	-48.6	1,265.0	0.84	0.74	-0.96	
4,921.0	20.90	357.70	4,683.6	1,299.8	-49.9	1,300.8	3.09	-3.09	-0.43	
5,015.0	19.30	359.90	4,771.9	1,332.1	-50.6	1,333.1	1.88	-1.70	2.34	
5,109.0	18.70	359.80	4,860.8	1,362.7	-50.7	1,363.7	0.64	-0.64	-0.11	
5,202.0	16.00	359.40	4,949.5	1,390.4	-50.9	1,391.4	2.91	-2.90	-0.43	
5,296.0	13.10	3.40	5,040.5	1,414.0	-50.4	1,414.9	3.26	-3.09	4.26	
5,390.0	12.40	3.40	5,132.2	1,434.8	-49.2	1,435.6	0.74	-0.74	0.00	
5,483.0	10.20	2.30	5,223.4	1,452.9	-48.3	1,453.7	2.38	-2.37	-1.18	
5,577.0	7.90	0.90	5,316.2	1,467.7	-47.8	1,468.5	2.46	-2.45	-1.49	
5,671.0	6.20	3.40	5,409.5	1,479.3	-47.4	1,480.0	1.84	-1.81	2.66	
5,765.0	4.80	2.30	5,503.1	1,488.3	-47.0	1,489.0	1.49	-1.49	-1.17	
5,859.0	4.10	0.90	5,596.8	1,495.5	-46.7	1,496.3	0.75	-0.74	-1.49	
5,953.0	2.90	320.80	5,690.6	1,500.7	-48.2	1,501.5	2.82	-1.28	-42.66	
6,047.0	0.70	216.60	5,784.6	1,502.1	-50.0	1,503.0	3.35	-2.34	-110.85	
6,141.0	0.40	180.10	5,878.6	1,501.3	-50.4	1,502.2	0.48	-0.32	-38.83	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well M&T FARMS 33-10D
Project:	SEC.10-T6N-R65W	TVD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Site:	M&T PAD Sec.10-T6N-R65W	MD Reference:	33-10D @ 4760.0ft (Original Well Elev)
Well:	M&T FARMS 33-10D	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)	
6,262.3	0.41	134.74	5,999.9	1,500.6	-50.1	1,501.4	0.26	0.01	-37.38	
TARGET BHL 2165'FSL, 2113'FEL										
6,328.0	0.50	116.80	6,065.6	1,500.3	-49.7	1,501.1	0.26	0.14	-27.32	
6,515.0	0.60	336.80	6,252.6	1,500.8	-49.3	1,501.7	0.55	0.05	-74.87	
6,702.0	1.00	336.80	6,439.6	1,503.2	-50.3	1,504.1	0.21	0.21	0.00	
6,890.0	1.00	136.50	6,627.5	1,503.6	-49.9	1,504.4	1.05	0.00	84.95	
6,965.3	1.02	154.17	6,702.9	1,502.5	-49.1	1,503.3	0.41	0.02	23.46	
LEGAL WINDOW 400' X 400' 2040'FSL, 1988'FEL										
7,078.0	1.20	176.40	6,815.5	1,500.4	-48.6	1,501.2	0.41	0.16	19.73	
7,265.0	1.90	192.00	7,002.4	1,495.4	-49.1	1,496.2	0.43	0.37	8.34	
7,482.0	1.40	196.00	7,219.4	1,489.4	-50.6	1,490.2	0.24	-0.23	1.84	
7,530.0	1.40	196.00	7,267.3	1,488.2	-50.9	1,489.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------