



Final Survey Plot

Projected Final Survey -
7593'MD & 7476'TVD @ 1019' VS
0.8 deg Inc 185.4 deg AZ

Project: SEC.36-T7N-R66W
Site: SRC TK Pad Sec.36-T7N-R66W
Well: SRC TK 36AD
Plan: SRC TK 36AD



Synergy Resources

SEC.36-T7N-R66W

SRC TK Pad Sec.36-T7N-R66W

SRC TK 36AD

SRC TK 36AD

Design: SRC TK 36AD

Standard Survey Report

11 March, 2010

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC TK 36AD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4869.0ft (Original Well Elev)
Site:	SRC TK Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4869.0ft (Original Well Elev)
Well:	SRC TK 36AD	North Reference:	True
Wellbore:	SRC TK 36AD	Survey Calculation Method:	Minimum Curvature
Design:	SRC TK 36AD	Database:	EDM den0-adp01 Server Data

Project	SEC.36-T7N-R66W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SRC TK Pad Sec.36-T7N-R66W		
Site Position:		Northing:	1,439,912.06ft
From:	Lat/Long	Easting:	3,213,936.01ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 32' 18.276 N
		Longitude:	104° 43' 48.990 W
		Grid Convergence:	0.50 °

Well	SRC TK 36AD		
Well Position	+N/-S	0.0 ft	Northing: 1,439,824.20 ft
	+E/-W	0.0 ft	Easting: 3,213,930.38 ft
Position Uncertainty		0.0 ft	Wellhead Elevation: ft
			Latitude: 40° 32' 17.408 N
			Longitude: 104° 43' 49.073 W
			Ground Level: 4,856.0 ft

Wellbore	SRC TK 36AD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	3/23/2009	9.12	67.25	53,460
	IGRF200510	12/31/2009	9.02	67.23	53,380

Design	SRC TK 36AD				
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	241.85	

Survey Program		Date 3/10/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
641.0	7,593.0	Survey #1 (SRC TK 36AD)	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
641.0	2.00	281.30	640.9	2.2	-11.0	8.6	0.31	0.31	0.00
739.0	2.40	250.40	738.8	1.8	-14.6	12.0	1.26	0.41	-31.53
833.0	2.70	240.50	832.7	0.1	-18.4	16.1	0.57	0.32	-10.53
927.0	2.60	226.80	926.6	-2.5	-21.8	20.4	0.68	-0.11	-14.57
1,026.0	2.90	214.60	1,025.5	-6.1	-24.9	24.8	0.66	0.30	-12.32
1,114.0	4.30	209.20	1,113.3	-10.8	-27.8	29.6	1.64	1.59	-6.14
1,208.0	4.10	211.40	1,207.1	-16.7	-31.2	35.4	0.27	-0.21	2.34
1,302.0	6.20	204.30	1,300.7	-24.2	-35.1	42.4	2.33	2.23	-7.55
1,395.0	8.60	212.00	1,392.9	-34.7	-40.8	52.4	2.79	2.58	8.28
1,489.0	11.30	205.30	1,485.5	-49.0	-48.5	65.9	3.12	2.87	-7.13
1,583.0	13.50	192.90	1,577.3	-68.0	-54.9	80.5	3.66	2.34	-13.19

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Well:	SRC TK 36AD	North Reference:	True
Wellbore:	SRC TK 36AD	Survey Calculation Method:	Minimum Curvature
Design:	SRC TK 36AD	Database:	EDM den0-adp01 Server Data

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)
1,676.0	14.20	185.40	1,667.6	-89.9	-58.4	93.9	2.07	0.75	-8.06
1,770.0	13.50	178.10	1,758.9	-112.4	-59.1	105.1	2.00	-0.74	-7.77
1,864.0	12.70	173.00	1,850.4	-133.6	-57.5	113.7	1.49	-0.85	-5.43
1,957.0	13.60	172.40	1,941.0	-154.6	-54.8	121.2	0.98	0.97	-0.65
2,051.0	13.50	178.80	2,032.4	-176.5	-53.1	130.1	1.60	-0.11	6.81
2,145.0	13.60	180.90	2,123.8	-198.5	-53.0	140.4	0.53	0.11	2.23
2,238.0	13.80	179.50	2,214.1	-220.6	-53.1	150.9	0.42	0.22	-1.51
2,332.0	13.50	176.60	2,305.5	-242.7	-52.4	160.7	0.79	-0.32	-3.09
2,426.0	14.20	183.20	2,396.7	-265.2	-52.4	171.3	1.84	0.74	7.02
2,519.0	13.50	185.30	2,487.0	-287.4	-54.0	183.2	0.93	-0.75	2.26
2,613.0	13.60	183.80	2,578.4	-309.3	-55.7	195.1	0.39	0.11	-1.60
2,707.0	14.80	183.30	2,669.5	-332.4	-57.2	207.2	1.28	1.28	-0.53
2,800.0	15.30	179.50	2,759.4	-356.5	-57.7	219.1	1.19	0.54	-4.09
2,894.0	16.00	179.80	2,849.9	-381.8	-57.6	230.9	0.75	0.74	0.32
2,987.0	16.70	181.10	2,939.1	-408.0	-57.8	243.5	0.85	0.75	1.40
3,081.0	17.00	180.60	3,029.1	-435.3	-58.2	256.7	0.35	0.32	-0.53
3,175.0	16.20	179.80	3,119.2	-462.1	-58.3	269.4	0.89	-0.85	-0.85
3,268.0	16.50	183.40	3,208.4	-488.3	-59.0	282.4	1.14	0.32	3.87
3,362.0	16.20	180.20	3,298.6	-514.7	-59.9	295.6	1.01	-0.32	-3.40
3,456.0	14.50	178.90	3,389.2	-539.6	-59.7	307.2	1.85	-1.81	-1.38
3,549.0	12.40	173.60	3,479.7	-561.2	-58.4	316.2	2.62	-2.26	-5.70
3,643.0	12.40	176.60	3,571.5	-581.3	-56.6	324.2	0.69	0.00	3.19
3,737.0	12.70	179.40	3,663.3	-601.7	-55.9	333.2	0.72	0.32	2.98
3,830.0	12.10	185.30	3,754.1	-621.6	-56.7	343.3	1.51	-0.65	6.34
3,924.0	12.30	182.00	3,846.0	-641.4	-58.0	353.7	0.77	0.21	-3.51
4,018.0	13.50	182.40	3,937.6	-662.4	-58.8	364.3	1.28	1.28	0.43
4,111.0	14.90	182.00	4,027.7	-685.2	-59.7	375.9	1.51	1.51	-0.43
4,205.0	16.00	182.50	4,118.4	-710.2	-60.7	388.5	1.18	1.17	0.53
4,299.0	17.10	181.90	4,208.5	-737.0	-61.7	402.1	1.18	1.17	-0.64
4,392.0	15.90	178.80	4,297.6	-763.4	-61.9	414.7	1.60	-1.29	-3.33
4,486.0	14.20	177.10	4,388.4	-787.8	-61.0	425.4	1.87	-1.81	-1.81
4,580.0	13.30	182.60	4,479.7	-810.1	-60.9	435.9	1.69	-0.96	5.85
4,674.0	14.30	187.20	4,571.0	-832.4	-62.9	448.1	1.58	1.06	4.89
4,767.0	14.50	184.80	4,661.1	-855.4	-65.3	461.1	0.68	0.22	-2.58
4,861.0	13.60	184.20	4,752.3	-878.1	-67.1	473.4	0.97	-0.96	-0.64
4,954.0	11.10	180.70	4,843.1	-898.0	-68.0	483.6	2.80	-2.69	-3.76
5,048.0	9.80	178.90	4,935.5	-915.0	-67.9	491.6	1.43	-1.38	-1.91
5,142.0	8.70	174.80	5,028.3	-930.1	-67.1	498.0	1.36	-1.17	-4.36
5,235.0	8.50	175.90	5,120.3	-944.0	-66.0	503.5	0.28	-0.22	1.18
5,329.0	7.20	178.00	5,213.4	-956.8	-65.3	509.0	1.42	-1.38	2.23
5,423.0	5.30	184.30	5,306.8	-967.0	-65.4	513.9	2.15	-2.02	6.70
5,517.0	4.30	186.10	5,400.5	-974.9	-66.1	518.2	1.08	-1.06	1.91
5,610.0	3.50	192.50	5,493.3	-981.1	-67.1	522.0	0.98	-0.86	6.88
5,704.0	2.80	200.30	5,587.1	-986.0	-68.5	525.6	0.87	-0.74	8.30
5,798.0	2.10	212.70	5,681.1	-989.7	-70.3	528.8	0.93	-0.74	13.19
5,891.0	1.90	206.00	5,774.0	-992.5	-71.9	531.6	0.33	-0.22	-7.20
5,917.3	1.79	206.61	5,800.3	-993.2	-72.2	532.3	0.43	-0.43	2.32
TARGET BHL 1323'FNL, 1365'FWL									
5,985.0	1.50	208.60	5,868.0	-995.0	-73.1	533.9	0.43	-0.43	2.94
6,079.0	1.20	200.20	5,961.9	-997.0	-74.1	535.6	0.38	-0.32	-8.94
6,173.0	1.10	197.80	6,055.9	-998.7	-74.7	537.0	0.12	-0.11	-2.55
6,266.0	1.00	196.60	6,148.9	-1,000.4	-75.2	538.2	0.11	-0.11	-1.29
6,360.0	0.80	195.40	6,242.9	-1,001.8	-75.6	539.2	0.21	-0.21	-1.28
6,454.0	0.80	193.90	6,336.9	-1,003.1	-75.9	540.1	0.02	0.00	-1.60

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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)
6,548.0	0.70	181.80	6,430.9	-1,004.3	-76.1	540.9	0.20	-0.11	-12.87
6,641.0	0.60	186.40	6,523.9	-1,005.3	-76.2	541.4	0.12	-0.11	4.95
6,735.0	0.60	181.10	6,617.9	-1,006.3	-76.2	541.9	0.06	0.00	-5.64
6,829.0	0.60	178.60	6,711.9	-1,007.3	-76.2	542.4	0.03	0.00	-2.66
6,923.0	0.60	196.10	6,805.8	-1,008.2	-76.4	543.0	0.19	0.00	18.62
7,016.0	0.70	188.70	6,898.8	-1,009.3	-76.6	543.6	0.14	0.11	-7.96
7,110.0	0.80	194.30	6,992.8	-1,010.5	-76.8	544.4	0.13	0.11	5.96
7,204.0	0.70	198.30	7,086.8	-1,011.7	-77.2	545.3	0.12	-0.11	4.26
7,296.0	0.70	185.30	7,178.8	-1,012.8	-77.4	546.0	0.17	0.00	-14.13
7,391.0	0.60	178.90	7,273.8	-1,013.8	-77.4	546.6	0.13	-0.11	-6.74
7,467.1	0.76	183.58	7,349.9	-1,014.7	-77.5	547.0	0.22	0.21	6.14
LEGAL WINDOW 800' X 800' 1326'FNL, 1367'FWL									
7,485.0	0.80	184.40	7,367.8	-1,015.0	-77.5	547.1	0.22	0.22	4.60
7,547.0	0.80	185.40	7,429.8	-1,015.8	-77.6	547.6	0.02	0.00	1.61
7,593.0	0.80	185.40	7,475.8	-1,016.5	-77.6	548.0	0.00	0.00	0.00

Wellbore Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
TARGET BHL 1323'F	0.00	0.00	5,800.0	-1,006.8	-70.4	1,438,816.82	3,213,868.76	40° 32' 7.459 N	104° 43' 49.984 W
- actual wellpath misses target center by 13.7ft at 5917.3ft MD (5800.3 TVD, -993.2 N, -72.2 E)									
- Point									
LEGAL WINDOW 80C	0.00	0.00	7,350.0	-1,009.8	-68.4	1,438,813.88	3,213,870.75	40° 32' 7.430 N	104° 43' 49.959 W
- actual wellpath misses target center by 10.3ft at 7467.1ft MD (7349.9 TVD, -1014.7 N, -77.5 E)									
- Rectangle (sides W800.0 H800.0 D0.0)									

Checked By: _____ Approved By: _____ Date: _____