

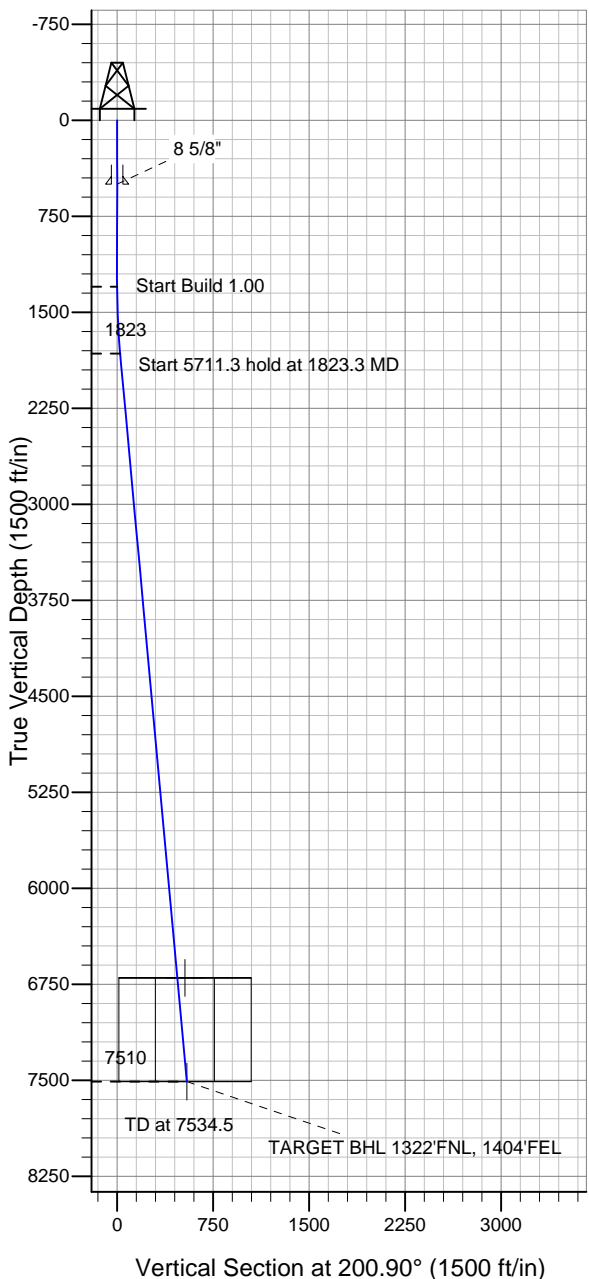
Well Name: SRC Haythorn 36CD

Surface Location: SRC Haythorn 31-36D Pad Sec.36-T7N-R66W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

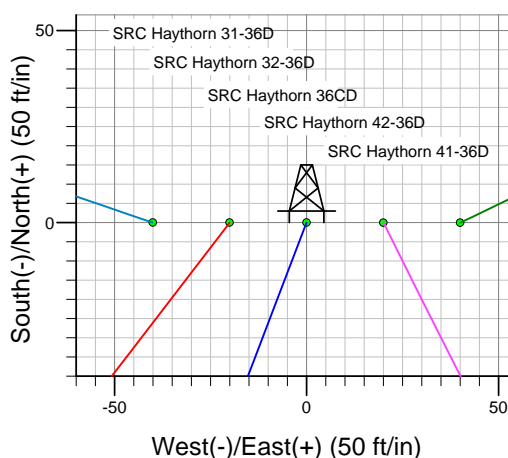
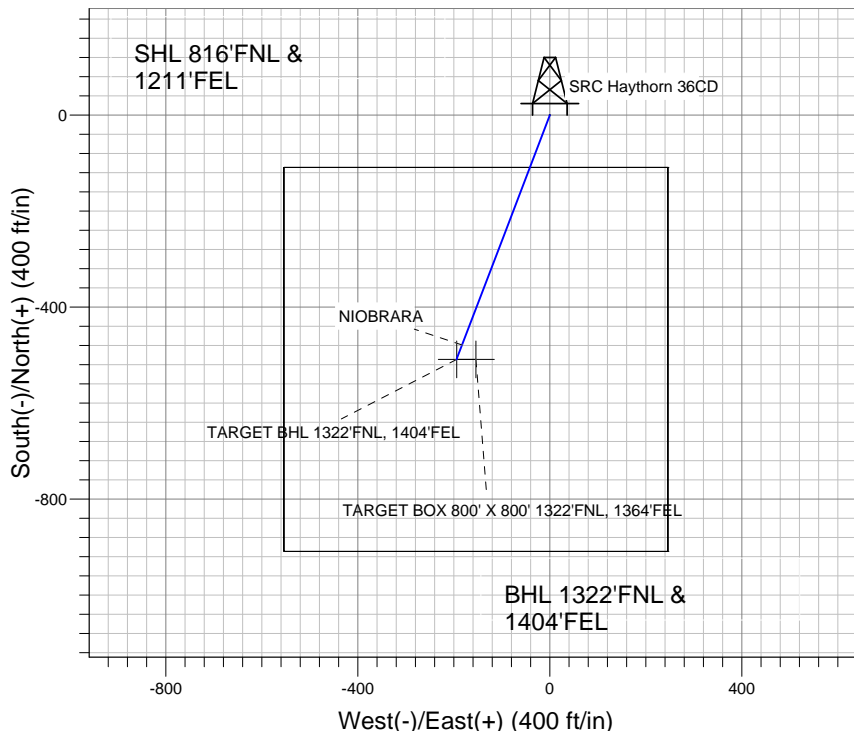
Ground Elevation: 4853.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1439386.39	3216737.95	40.536900	-104.720211	

Original Well Elev WELL @ 4866.0ft (Original Well Elev)



Synergy Resources



SRC Haythorn 31-36D Pad Sec.36-T7N-R66W
SRC Haythorn 36CD
Plan #1 (2-16-11)
18:00, February 17 2011



Azimuths to True North
Magnetic North: 8.85°

Magnetic Field
Strength: 53263.4snT
Dip Angle: 67.19°
Date: 2/16/2011
Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BOX 800' X 800' 1322'FNL, 1364'FEL	6700.0	-508.9	-154.3	40.535503	-104.720766	Rectangle (Sides: L800.0 W800.0)
TARGET BHL 1322'FNL, 1404'FEL	7510.0	-508.9	-194.3	40.535503	-104.720910	Point

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	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1823.3	5.23	200.90	1822.6	-22.3	-8.5	1.00	200.90	23.9	
4	7534.5	5.23	200.90	7510.0	-508.9	-194.3	0.00	0.00	544.8	TARGET BHL 1322'FNL, 1404'FEL



Synergy Resources

SEC.36-T7N-R66W

SRC Haythorn 31-36D Pad Sec.36-T7N-R66W

SRC Haythorn 36CD

Wellbore #1

Plan: Plan #1 (2-16-11)

Standard Planning Report

17 February, 2011

Plan Sections										
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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,823.3	5.23	200.90	1,822.6	-22.3	-8.5	1.00	1.00	0.00	200.90	
7,534.5	5.23	200.90	7,510.0	-508.9	-194.3	0.00	0.00	0.00	0.00	TARGET BHL 1322

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Company:	Synergy Resources	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Project:	SEC.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	North Reference:	True
Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-16-11)		

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	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
8 5/8"									
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00
960.0	0.00	0.00	960.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,040.0	0.00	0.00	1,040.0	0.0	0.0	0.0	0.00	0.00	0.00
1,080.0	0.00	0.00	1,080.0	0.0	0.0	0.0	0.00	0.00	0.00
1,120.0	0.00	0.00	1,120.0	0.0	0.0	0.0	0.00	0.00	0.00
1,160.0	0.00	0.00	1,160.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,240.0	0.00	0.00	1,240.0	0.0	0.0	0.0	0.00	0.00	0.00
1,280.0	0.00	0.00	1,280.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,320.0	0.20	200.90	1,320.0	0.0	0.0	0.0	1.00	1.00	0.00
1,360.0	0.60	200.90	1,360.0	-0.3	-0.1	0.3	1.00	1.00	0.00
1,400.0	1.00	200.90	1,400.0	-0.8	-0.3	0.9	1.00	1.00	0.00
1,440.0	1.40	200.90	1,440.0	-1.6	-0.6	1.7	1.00	1.00	0.00
1,480.0	1.80	200.90	1,480.0	-2.6	-1.0	2.8	1.00	1.00	0.00
1,520.0	2.20	200.90	1,519.9	-3.9	-1.5	4.2	1.00	1.00	0.00
1,560.0	2.60	200.90	1,559.9	-5.5	-2.1	5.9	1.00	1.00	0.00
1,600.0	3.00	200.90	1,599.9	-7.3	-2.8	7.9	1.00	1.00	0.00
1,640.0	3.40	200.90	1,639.8	-9.4	-3.6	10.1	1.00	1.00	0.00
1,680.0	3.80	200.90	1,679.7	-11.8	-4.5	12.6	1.00	1.00	0.00
1,720.0	4.20	200.90	1,719.6	-14.4	-5.5	15.4	1.00	1.00	0.00
1,760.0	4.60	200.90	1,759.5	-17.2	-6.6	18.5	1.00	1.00	0.00
1,800.0	5.00	200.90	1,799.4	-20.4	-7.8	21.8	1.00	1.00	0.00
1,823.3	5.23	200.90	1,822.6	-22.3	-8.5	23.9	1.00	1.00	0.00
1,840.0	5.23	200.90	1,839.2	-23.7	-9.1	25.4	0.00	0.00	0.00
1,880.0	5.23	200.90	1,879.0	-27.1	-10.4	29.1	0.00	0.00	0.00
1,920.0	5.23	200.90	1,918.9	-30.5	-11.7	32.7	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Company:	Synergy Resources	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Project:	SEC.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	North Reference:	True
Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-16-11)		

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)	
1,960.0	5.23	200.90	1,958.7	-34.0	-13.0	36.3	0.00	0.00	0.00	
2,000.0	5.23	200.90	1,998.5	-37.4	-14.3	40.0	0.00	0.00	0.00	
2,040.0	5.23	200.90	2,038.4	-40.8	-15.6	43.6	0.00	0.00	0.00	
2,080.0	5.23	200.90	2,078.2	-44.2	-16.9	47.3	0.00	0.00	0.00	
2,120.0	5.23	200.90	2,118.0	-47.6	-18.2	50.9	0.00	0.00	0.00	
2,160.0	5.23	200.90	2,157.9	-51.0	-19.5	54.6	0.00	0.00	0.00	
2,200.0	5.23	200.90	2,197.7	-54.4	-20.8	58.2	0.00	0.00	0.00	
2,240.0	5.23	200.90	2,237.5	-57.8	-22.1	61.9	0.00	0.00	0.00	
2,280.0	5.23	200.90	2,277.4	-61.2	-23.4	65.5	0.00	0.00	0.00	
2,320.0	5.23	200.90	2,317.2	-64.6	-24.7	69.2	0.00	0.00	0.00	
2,360.0	5.23	200.90	2,357.0	-68.0	-26.0	72.8	0.00	0.00	0.00	
2,400.0	5.23	200.90	2,396.9	-71.4	-27.3	76.5	0.00	0.00	0.00	
2,440.0	5.23	200.90	2,436.7	-74.9	-28.6	80.1	0.00	0.00	0.00	
2,480.0	5.23	200.90	2,476.5	-78.3	-29.9	83.8	0.00	0.00	0.00	
2,520.0	5.23	200.90	2,516.4	-81.7	-31.2	87.4	0.00	0.00	0.00	
2,560.0	5.23	200.90	2,556.2	-85.1	-32.5	91.1	0.00	0.00	0.00	
2,600.0	5.23	200.90	2,596.0	-88.5	-33.8	94.7	0.00	0.00	0.00	
2,640.0	5.23	200.90	2,635.9	-91.9	-35.1	98.4	0.00	0.00	0.00	
2,680.0	5.23	200.90	2,675.7	-95.3	-36.4	102.0	0.00	0.00	0.00	
2,720.0	5.23	200.90	2,715.5	-98.7	-37.7	105.7	0.00	0.00	0.00	
2,760.0	5.23	200.90	2,755.4	-102.1	-39.0	109.3	0.00	0.00	0.00	
2,800.0	5.23	200.90	2,795.2	-105.5	-40.3	113.0	0.00	0.00	0.00	
2,840.0	5.23	200.90	2,835.0	-108.9	-41.6	116.6	0.00	0.00	0.00	
2,880.0	5.23	200.90	2,874.9	-112.3	-42.9	120.3	0.00	0.00	0.00	
2,920.0	5.23	200.90	2,914.7	-115.8	-44.2	123.9	0.00	0.00	0.00	
2,960.0	5.23	200.90	2,954.5	-119.2	-45.5	127.6	0.00	0.00	0.00	
3,000.0	5.23	200.90	2,994.4	-122.6	-46.8	131.2	0.00	0.00	0.00	
3,040.0	5.23	200.90	3,034.2	-126.0	-48.1	134.8	0.00	0.00	0.00	
3,080.0	5.23	200.90	3,074.0	-129.4	-49.4	138.5	0.00	0.00	0.00	
3,120.0	5.23	200.90	3,113.9	-132.8	-50.7	142.1	0.00	0.00	0.00	
3,160.0	5.23	200.90	3,153.7	-136.2	-52.0	145.8	0.00	0.00	0.00	
3,200.0	5.23	200.90	3,193.5	-139.6	-53.3	149.4	0.00	0.00	0.00	
3,240.0	5.23	200.90	3,233.4	-143.0	-54.6	153.1	0.00	0.00	0.00	
3,280.0	5.23	200.90	3,273.2	-146.4	-55.9	156.7	0.00	0.00	0.00	
3,320.0	5.23	200.90	3,313.0	-149.8	-57.2	160.4	0.00	0.00	0.00	
3,360.0	5.23	200.90	3,352.9	-153.2	-58.5	164.0	0.00	0.00	0.00	
3,400.0	5.23	200.90	3,392.7	-156.7	-59.8	167.7	0.00	0.00	0.00	
3,440.0	5.23	200.90	3,432.5	-160.1	-61.1	171.3	0.00	0.00	0.00	
3,480.0	5.23	200.90	3,472.4	-163.5	-62.4	175.0	0.00	0.00	0.00	
3,520.0	5.23	200.90	3,512.2	-166.9	-63.7	178.6	0.00	0.00	0.00	
3,560.0	5.23	200.90	3,552.0	-170.3	-65.0	182.3	0.00	0.00	0.00	
3,600.0	5.23	200.90	3,591.9	-173.7	-66.3	185.9	0.00	0.00	0.00	
3,640.0	5.23	200.90	3,631.7	-177.1	-67.6	189.6	0.00	0.00	0.00	
3,680.0	5.23	200.90	3,671.5	-180.5	-68.9	193.2	0.00	0.00	0.00	
3,720.0	5.23	200.90	3,711.4	-183.9	-70.2	196.9	0.00	0.00	0.00	
3,760.0	5.23	200.90	3,751.2	-187.3	-71.5	200.5	0.00	0.00	0.00	
3,800.0	5.23	200.90	3,791.0	-190.7	-72.8	204.2	0.00	0.00	0.00	
3,840.0	5.23	200.90	3,830.9	-194.1	-74.1	207.8	0.00	0.00	0.00	
3,880.0	5.23	200.90	3,870.7	-197.5	-75.4	211.5	0.00	0.00	0.00	
3,920.0	5.23	200.90	3,910.5	-201.0	-76.7	215.1	0.00	0.00	0.00	
3,960.0	5.23	200.90	3,950.4	-204.4	-78.0	218.8	0.00	0.00	0.00	
4,000.0	5.23	200.90	3,990.2	-207.8	-79.3	222.4	0.00	0.00	0.00	
4,040.0	5.23	200.90	4,030.0	-211.2	-80.6	226.0	0.00	0.00	0.00	

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Company:	Synergy Resources	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Project:	SEC.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site:	SRC Haythorn 31-36D Pad	North Reference:	True
	Sec.36-T7N-R66W		
Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-16-11)		

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)
4,080.0	5.23	200.90	4,069.9	-214.6	-81.9	229.7	0.00	0.00	0.00
4,120.0	5.23	200.90	4,109.7	-218.0	-83.2	233.3	0.00	0.00	0.00
4,160.0	5.23	200.90	4,149.5	-221.4	-84.5	237.0	0.00	0.00	0.00
4,200.0	5.23	200.90	4,189.4	-224.8	-85.8	240.6	0.00	0.00	0.00
4,240.0	5.23	200.90	4,229.2	-228.2	-87.1	244.3	0.00	0.00	0.00
4,280.0	5.23	200.90	4,269.0	-231.6	-88.4	247.9	0.00	0.00	0.00
4,320.0	5.23	200.90	4,308.9	-235.0	-89.7	251.6	0.00	0.00	0.00
4,360.0	5.23	200.90	4,348.7	-238.4	-91.0	255.2	0.00	0.00	0.00
4,400.0	5.23	200.90	4,388.5	-241.9	-92.3	258.9	0.00	0.00	0.00
4,440.0	5.23	200.90	4,428.4	-245.3	-93.6	262.5	0.00	0.00	0.00
4,480.0	5.23	200.90	4,468.2	-248.7	-94.9	266.2	0.00	0.00	0.00
4,520.0	5.23	200.90	4,508.0	-252.1	-96.2	269.8	0.00	0.00	0.00
4,560.0	5.23	200.90	4,547.9	-255.5	-97.5	273.5	0.00	0.00	0.00
4,600.0	5.23	200.90	4,587.7	-258.9	-98.8	277.1	0.00	0.00	0.00
4,640.0	5.23	200.90	4,627.5	-262.3	-100.1	280.8	0.00	0.00	0.00
4,680.0	5.23	200.90	4,667.4	-265.7	-101.4	284.4	0.00	0.00	0.00
4,720.0	5.23	200.90	4,707.2	-269.1	-102.7	288.1	0.00	0.00	0.00
4,760.0	5.23	200.90	4,747.0	-272.5	-104.0	291.7	0.00	0.00	0.00
4,800.0	5.23	200.90	4,786.9	-275.9	-105.3	295.4	0.00	0.00	0.00
4,840.0	5.23	200.90	4,826.7	-279.3	-106.6	299.0	0.00	0.00	0.00
4,880.0	5.23	200.90	4,866.5	-282.8	-107.9	302.7	0.00	0.00	0.00
4,920.0	5.23	200.90	4,906.4	-286.2	-109.2	306.3	0.00	0.00	0.00
4,960.0	5.23	200.90	4,946.2	-289.6	-110.5	310.0	0.00	0.00	0.00
5,000.0	5.23	200.90	4,986.0	-293.0	-111.9	313.6	0.00	0.00	0.00
5,040.0	5.23	200.90	5,025.9	-296.4	-113.2	317.3	0.00	0.00	0.00
5,080.0	5.23	200.90	5,065.7	-299.8	-114.5	320.9	0.00	0.00	0.00
5,120.0	5.23	200.90	5,105.5	-303.2	-115.8	324.5	0.00	0.00	0.00
5,160.0	5.23	200.90	5,145.4	-306.6	-117.1	328.2	0.00	0.00	0.00
5,200.0	5.23	200.90	5,185.2	-310.0	-118.4	331.8	0.00	0.00	0.00
5,240.0	5.23	200.90	5,225.0	-313.4	-119.7	335.5	0.00	0.00	0.00
5,280.0	5.23	200.90	5,264.9	-316.8	-121.0	339.1	0.00	0.00	0.00
5,320.0	5.23	200.90	5,304.7	-320.2	-122.3	342.8	0.00	0.00	0.00
5,360.0	5.23	200.90	5,344.5	-323.7	-123.6	346.4	0.00	0.00	0.00
5,400.0	5.23	200.90	5,384.4	-327.1	-124.9	350.1	0.00	0.00	0.00
5,440.0	5.23	200.90	5,424.2	-330.5	-126.2	353.7	0.00	0.00	0.00
5,480.0	5.23	200.90	5,464.0	-333.9	-127.5	357.4	0.00	0.00	0.00
5,520.0	5.23	200.90	5,503.9	-337.3	-128.8	361.0	0.00	0.00	0.00
5,560.0	5.23	200.90	5,543.7	-340.7	-130.1	364.7	0.00	0.00	0.00
5,600.0	5.23	200.90	5,583.5	-344.1	-131.4	368.3	0.00	0.00	0.00
5,640.0	5.23	200.90	5,623.4	-347.5	-132.7	372.0	0.00	0.00	0.00
5,680.0	5.23	200.90	5,663.2	-350.9	-134.0	375.6	0.00	0.00	0.00
5,720.0	5.23	200.90	5,703.0	-354.3	-135.3	379.3	0.00	0.00	0.00
5,760.0	5.23	200.90	5,742.9	-357.7	-136.6	382.9	0.00	0.00	0.00
5,800.0	5.23	200.90	5,782.7	-361.1	-137.9	386.6	0.00	0.00	0.00
5,840.0	5.23	200.90	5,822.5	-364.5	-139.2	390.2	0.00	0.00	0.00
5,880.0	5.23	200.90	5,862.4	-368.0	-140.5	393.9	0.00	0.00	0.00
5,920.0	5.23	200.90	5,902.2	-371.4	-141.8	397.5	0.00	0.00	0.00
5,960.0	5.23	200.90	5,942.0	-374.8	-143.1	401.2	0.00	0.00	0.00
6,000.0	5.23	200.90	5,981.9	-378.2	-144.4	404.8	0.00	0.00	0.00
6,040.0	5.23	200.90	6,021.7	-381.6	-145.7	408.5	0.00	0.00	0.00
6,080.0	5.23	200.90	6,061.5	-385.0	-147.0	412.1	0.00	0.00	0.00
6,120.0	5.23	200.90	6,101.4	-388.4	-148.3	415.7	0.00	0.00	0.00
6,160.0	5.23	200.90	6,141.2	-391.8	-149.6	419.4	0.00	0.00	0.00

Database:	Landmark	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Company:	Synergy Resources	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Project:	SEC.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	North Reference:	True
Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (2-16-11)		

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)
6,200.0	5.23	200.90	6,181.0	-395.2	-150.9	423.0	0.00	0.00	0.00
6,240.0	5.23	200.90	6,220.9	-398.6	-152.2	426.7	0.00	0.00	0.00
6,280.0	5.23	200.90	6,260.7	-402.0	-153.5	430.3	0.00	0.00	0.00
6,320.0	5.23	200.90	6,300.5	-405.4	-154.8	434.0	0.00	0.00	0.00
6,360.0	5.23	200.90	6,340.4	-408.9	-156.1	437.6	0.00	0.00	0.00
6,400.0	5.23	200.90	6,380.2	-412.3	-157.4	441.3	0.00	0.00	0.00
6,440.0	5.23	200.90	6,420.0	-415.7	-158.7	444.9	0.00	0.00	0.00
6,480.0	5.23	200.90	6,459.9	-419.1	-160.0	448.6	0.00	0.00	0.00
6,520.0	5.23	200.90	6,499.7	-422.5	-161.3	452.2	0.00	0.00	0.00
6,560.0	5.23	200.90	6,539.5	-425.9	-162.6	455.9	0.00	0.00	0.00
6,600.0	5.23	200.90	6,579.4	-429.3	-163.9	459.5	0.00	0.00	0.00
6,640.0	5.23	200.90	6,619.2	-432.7	-165.2	463.2	0.00	0.00	0.00
6,680.0	5.23	200.90	6,659.0	-436.1	-166.5	466.8	0.00	0.00	0.00
6,720.0	5.23	200.90	6,698.9	-439.5	-167.8	470.5	0.00	0.00	0.00
6,726.6	5.23	200.90	6,705.4	-440.1	-168.0	471.1	0.00	0.00	0.00
TARGET BOX 800' X 800' 1322'FNL, 1364'FEL									
6,760.0	5.23	200.90	6,738.7	-442.9	-169.1	474.1	0.00	0.00	0.00
6,800.0	5.23	200.90	6,778.5	-446.3	-170.4	477.8	0.00	0.00	0.00
6,840.0	5.23	200.90	6,818.4	-449.8	-171.7	481.4	0.00	0.00	0.00
6,880.0	5.23	200.90	6,858.2	-453.2	-173.0	485.1	0.00	0.00	0.00
6,920.0	5.23	200.90	6,898.0	-456.6	-174.3	488.7	0.00	0.00	0.00
6,960.0	5.23	200.90	6,937.9	-460.0	-175.6	492.4	0.00	0.00	0.00
7,000.0	5.23	200.90	6,977.7	-463.4	-176.9	496.0	0.00	0.00	0.00
7,040.0	5.23	200.90	7,017.5	-466.8	-178.2	499.7	0.00	0.00	0.00
7,080.0	5.23	200.90	7,057.4	-470.2	-179.5	503.3	0.00	0.00	0.00
7,120.0	5.23	200.90	7,097.2	-473.6	-180.8	507.0	0.00	0.00	0.00
7,160.0	5.23	200.90	7,137.0	-477.0	-182.1	510.6	0.00	0.00	0.00
7,183.1	5.23	200.90	7,160.0	-479.0	-182.9	512.7	0.00	0.00	0.00
NIORARA									
7,200.0	5.23	200.90	7,176.9	-480.4	-183.4	514.2	0.00	0.00	0.00
7,240.0	5.23	200.90	7,216.7	-483.8	-184.7	517.9	0.00	0.00	0.00
7,280.0	5.23	200.90	7,256.5	-487.2	-186.0	521.5	0.00	0.00	0.00
7,320.0	5.23	200.90	7,296.4	-490.7	-187.3	525.2	0.00	0.00	0.00
7,360.0	5.23	200.90	7,336.2	-494.1	-188.6	528.8	0.00	0.00	0.00
7,400.0	5.23	200.90	7,376.0	-497.5	-189.9	532.5	0.00	0.00	0.00
7,440.0	5.23	200.90	7,415.9	-500.9	-191.2	536.1	0.00	0.00	0.00
7,480.0	5.23	200.90	7,455.7	-504.3	-192.5	539.8	0.00	0.00	0.00
7,520.0	5.23	200.90	7,495.5	-507.7	-193.8	543.4	0.00	0.00	0.00
7,534.5	5.23	200.90	7,510.0	-508.9	-194.3	544.8	0.00	0.00	0.00
TARGET BHL 1322'FNL, 1404'FEL									

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,183.1	7,160.0	NIORARA		0.00		



Directional

Synergy Resources

SEC.36-T7N-R66W

SRC Haythorn 31-36D Pad Sec.36-T7N-R66W

SRC Haythorn 36CD

Wellbore #1

Plan #1 (2-16-11)

Anticollision Report

17 February, 2011

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Reference	Plan #1 (2-16-11)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 2/17/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	7,534.5	Plan #1 (2-16-11) (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						
SRC Haythorn 31-36D Pad Sec.36-T7N-R66W						
SRC Haythorn 32-36D - Wellbore #1 - Plan #1 (2-16-11)	900.0	900.0	20.0	16.2	5.238	CC, ES
SRC Haythorn 32-36D - Wellbore #1 - Plan #1 (2-16-11)	1,100.0	1,099.5	22.3	17.7	4.796	SF
SRC Haythorn 42-36D - Wellbore #1 - Plan #1 (2-16-11)	1,100.0	1,100.0	20.0	15.3	4.240	CC
SRC Haythorn 42-36D - Wellbore #1 - Plan #1 (2-16-11)	1,200.0	1,199.8	20.4	15.3	3.971	ES
SRC Haythorn 42-36D - Wellbore #1 - Plan #1 (2-16-11)	1,300.0	1,299.6	21.8	16.3	3.933	SF

Offset Design												
SRC Haythorn 31-36D Pad Sec.36-T7N-R66W - SRC Haythorn 32-36D - Wellbore #1 - Plan #1 (2-16-11)												
Survey Program: 0-MWD												
Reference												
Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
0.0	0.0	0.0	0.0	0.0	0.0	-89.99	0.0	-20.0	20.0			
100.0	100.0	100.0	100.0	0.1	0.1	-89.99	0.0	-20.0	20.0	19.8	0.22	89.039
200.0	200.0	200.0	200.0	0.3	0.3	-89.99	0.0	-20.0	20.0	19.3	0.67	29.680
300.0	300.0	300.0	300.0	0.6	0.6	-89.99	0.0	-20.0	20.0	18.9	1.12	17.808
400.0	400.0	400.0	400.0	0.8	0.8	-89.99	0.0	-20.0	20.0	18.4	1.57	12.720
500.0	500.0	500.0	500.0	1.0	1.0	-89.99	0.0	-20.0	20.0	18.0	2.02	9.893
600.0	600.0	600.0	600.0	1.2	1.2	-89.99	0.0	-20.0	20.0	17.5	2.47	8.094
700.0	700.0	700.0	700.0	1.5	1.5	-89.99	0.0	-20.0	20.0	17.1	2.92	6.849
800.0	800.0	800.0	800.0	1.7	1.7	-89.99	0.0	-20.0	20.0	16.6	3.37	5.936
900.0	900.0	900.0	900.0	1.9	1.9	-89.99	0.0	-20.0	20.0	16.2	3.82	5.238 CC, ES
1,000.0	1,000.0	999.8	999.8	2.1	2.1	-91.91	-0.7	-20.5	20.6	16.3	4.24	4.842
1,100.0	1,100.0	1,099.5	1,099.5	2.4	2.3	-97.09	-2.8	-22.1	22.3	17.7	4.65	4.796 SF
1,200.0	1,200.0	1,199.1	1,199.0	2.6	2.5	-104.03	-6.2	-24.8	25.5	20.5	5.06	5.045
1,300.0	1,300.0	1,298.5	1,298.2	2.8	2.7	-111.12	-11.0	-28.4	30.5	25.1	5.48	5.570
1,400.0	1,400.0	1,397.8	1,397.1	3.0	2.9	42.63	-17.1	-33.2	36.8	30.9	5.88	6.257
1,500.0	1,500.0	1,496.9	1,495.8	3.2	3.1	39.42	-24.6	-38.9	43.5	37.3	6.26	6.952
1,600.0	1,599.9	1,595.9	1,594.1	3.4	3.4	37.57	-33.5	-45.7	50.6	43.9	6.65	7.604
1,700.0	1,699.7	1,694.7	1,692.2	3.6	3.6	36.61	-43.7	-53.5	57.9	50.8	7.05	8.208
1,800.0	1,799.4	1,793.4	1,789.8	3.8	3.9	36.24	-55.2	-62.3	65.4	57.9	7.46	8.762
1,823.3	1,822.6	1,816.4	1,812.5	3.8	4.0	36.22	-58.0	-64.5	67.2	59.6	7.56	8.883
1,900.0	1,899.0	1,892.0	1,887.0	4.0	4.2	36.09	-68.0	-72.1	73.5	65.7	7.89	9.316

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Offset Design SRC Haythorn 31-36D Pad Sec.36-T7N-R66W - SRC Haythorn 32-36D - Wellbore #1 - Plan #1 (2-16-11)													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
2,000.0	1,998.5	1,990.2	1,983.7	4.2	4.6	35.61	-82.1	-82.9	83.3	74.9	8.34	9.988		
2,100.0	2,098.1	2,088.1	2,079.6	4.4	4.9	34.91	-97.4	-94.7	94.6	85.8	8.79	10.767		
2,200.0	2,197.7	2,185.6	2,174.9	4.7	5.3	34.08	-114.0	-107.4	107.6	98.4	9.25	11.635		
2,300.0	2,297.3	2,282.7	2,269.3	4.9	5.7	33.20	-131.7	-121.1	122.2	112.5	9.71	12.581		
2,400.0	2,396.9	2,379.2	2,362.9	5.1	6.2	32.32	-150.7	-135.6	138.4	128.2	10.18	13.594		
2,500.0	2,496.5	2,475.2	2,455.5	5.4	6.6	31.46	-170.7	-151.0	156.3	145.6	10.66	14.663		
2,600.0	2,596.0	2,571.9	2,548.4	5.6	7.1	30.66	-192.1	-167.3	175.6	164.4	11.14	15.761		
2,700.0	2,695.6	2,670.0	2,642.5	5.9	7.6	29.99	-213.8	-184.0	195.1	183.5	11.63	16.780		
2,800.0	2,795.2	2,768.0	2,736.6	6.2	8.1	29.44	-235.6	-200.7	214.7	202.6	12.12	17.712		
2,900.0	2,894.8	2,866.1	2,830.7	6.4	8.7	28.98	-257.4	-217.4	234.3	221.7	12.62	18.567		
3,000.0	2,994.4	2,964.1	2,924.8	6.7	9.2	28.60	-279.2	-234.2	253.9	240.8	13.12	19.353		
3,100.0	3,094.0	3,062.2	3,019.0	7.0	9.8	28.26	-301.0	-250.9	273.5	259.9	13.62	20.077		
3,200.0	3,193.5	3,160.2	3,113.1	7.2	10.3	27.98	-322.8	-267.6	293.2	279.0	14.13	20.745		
3,300.0	3,293.1	3,258.3	3,207.2	7.5	10.9	27.73	-344.6	-284.3	312.8	298.1	14.64	21.364		
3,400.0	3,392.7	3,356.3	3,301.3	7.8	11.4	27.51	-366.4	-301.0	332.4	317.3	15.15	21.939		
3,500.0	3,492.3	3,454.3	3,395.5	8.0	12.0	27.31	-388.2	-317.7	352.1	336.4	15.67	22.473		
3,600.0	3,591.9	3,552.4	3,489.6	8.3	12.5	27.13	-409.9	-334.4	371.7	355.5	16.18	22.971		
3,700.0	3,691.5	3,650.4	3,583.7	8.6	13.1	26.98	-431.7	-351.1	391.3	374.6	16.70	23.436		
3,800.0	3,791.0	3,748.5	3,677.8	8.9	13.6	26.83	-453.5	-367.8	411.0	393.8	17.22	23.871		
3,900.0	3,890.6	3,846.5	3,771.9	9.1	14.2	26.70	-475.3	-384.6	430.6	412.9	17.74	24.279		
4,000.0	3,990.2	3,944.6	3,866.1	9.4	14.8	26.58	-497.1	-401.3	450.3	432.0	18.26	24.662		
4,100.0	4,089.8	4,042.6	3,960.2	9.7	15.3	26.47	-518.9	-418.0	469.9	451.2	18.78	25.022		
4,200.0	4,189.4	4,140.7	4,054.3	10.0	15.9	26.37	-540.7	-434.7	489.6	470.3	19.30	25.362		
4,300.0	4,289.0	4,238.7	4,148.4	10.2	16.5	26.28	-562.5	-451.4	509.3	489.4	19.83	25.682		
4,400.0	4,388.5	4,336.8	4,242.6	10.5	17.0	26.20	-584.3	-468.1	528.9	508.6	20.36	25.984		
4,500.0	4,488.1	4,434.8	4,336.7	10.8	17.6	26.12	-606.0	-484.8	548.6	527.7	20.88	26.271		
4,600.0	4,587.7	4,532.8	4,430.8	11.1	18.2	26.04	-627.8	-501.5	568.2	546.8	21.41	26.542		
4,700.0	4,687.3	4,630.9	4,524.9	11.4	18.7	25.98	-649.6	-518.2	587.9	566.0	21.94	26.799		
4,800.0	4,786.9	4,728.9	4,619.0	11.6	19.3	25.91	-671.4	-535.0	607.6	585.1	22.47	27.044		
4,900.0	4,886.5	4,827.0	4,713.2	11.9	19.9	25.85	-693.2	-551.7	627.2	604.2	23.00	27.276		
5,000.0	4,986.0	4,925.0	4,807.3	12.2	20.4	25.79	-715.0	-568.4	646.9	623.4	23.53	27.498		
5,100.0	5,085.6	5,023.1	4,901.4	12.5	21.0	25.74	-736.8	-585.1	666.5	642.5	24.06	27.709		
5,200.0	5,185.2	5,121.1	4,995.5	12.8	21.6	25.69	-758.6	-601.8	686.2	661.6	24.59	27.910		
5,300.0	5,284.8	5,219.2	5,089.7	13.0	22.2	25.64	-780.4	-618.5	705.9	680.8	25.12	28.102		
5,400.0	5,384.4	5,317.2	5,183.8	13.3	22.7	25.60	-802.1	-635.2	725.5	699.9	25.65	28.286		
5,500.0	5,483.9	5,415.3	5,277.9	13.6	23.3	25.56	-823.9	-651.9	745.2	719.0	26.18	28.461		
5,600.0	5,583.5	5,513.3	5,372.0	13.9	23.9	25.51	-845.7	-668.6	764.9	738.2	26.72	28.630		
5,700.0	5,683.1	5,611.4	5,466.1	14.2	24.4	25.48	-867.5	-685.4	784.5	757.3	27.25	28.791		
5,800.0	5,782.7	5,709.4	5,560.3	14.5	25.0	25.44	-889.3	-702.1	804.2	776.4	27.78	28.946		
5,900.0	5,882.3	5,807.4	5,654.4	14.7	25.6	25.41	-911.1	-718.8	823.9	795.5	28.32	29.094		
6,000.0	5,981.9	5,905.5	5,748.5	15.0	26.2	25.37	-932.9	-735.5	843.5	814.7	28.85	29.237		
6,100.0	6,081.4	6,003.5	5,842.6	15.3	26.7	25.34	-954.7	-752.2	863.2	833.8	29.39	29.374		
6,200.0	6,181.0	6,101.6	5,936.8	15.6	27.3	25.31	-976.5	-768.9	882.9	852.9	29.92	29.506		
6,300.0	6,280.6	6,199.6	6,030.9	15.9	27.9	25.28	-998.2	-785.6	902.5	872.1	30.46	29.633		
6,400.0	6,380.2	6,297.7	6,125.0	16.2	28.5	25.25	-1,020.0	-802.3	922.2	891.2	30.99	29.756		
6,500.0	6,479.8	6,395.7	6,219.1	16.4	29.0	25.23	-1,041.8	-819.0	941.9	910.3	31.53	29.874		
6,600.0	6,579.4	6,493.8	6,313.2	16.7	29.6	25.20	-1,063.6	-835.8	961.5	929.5	32.06	29.988		
6,700.0	6,678.9	6,591.8	6,407.4	17.0	30.2	25.18	-1,085.4	-852.5	981.2	948.6	32.60	30.098		
6,800.0	6,778.5	6,689.9	6,501.5	17.3	30.8	25.15	-1,107.2	-869.2	1,000.9	967.7	33.14	30.204		
6,900.0	6,878.1	6,787.9	6,595.6	17.6	31.3	25.13	-1,129.0	-885.9	1,020.5	986.9	33.67	30.306		
7,000.0	6,977.7	6,885.9	6,689.7	17.9	31.9	25.11	-1,150.8	-902.6	1,040.2	1,006.0	34.21	30.405		

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

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Offset Design SRC Haythorn 31-36D Pad Sec.36-T7N-R66W - SRC Haythorn 32-36D - Wellbore #1 - Plan #1 (2-16-11)													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		
7,100.0	7,077.3	6,984.0	6,783.9	18.2	32.5	25.09	-1,172.6	-919.3	1,059.9	1,025.1	34.75	30.501		
7,200.0	7,176.9	7,082.0	6,878.0	18.4	33.1	25.07	-1,194.3	-936.0	1,079.5	1,044.3	35.29	30.594		
7,300.0	7,276.4	7,180.1	6,972.1	18.7	33.6	25.05	-1,216.1	-952.7	1,099.2	1,063.4	35.82	30.684		
7,400.0	7,376.0	7,278.1	7,066.2	19.0	34.2	25.03	-1,237.9	-969.4	1,118.9	1,082.5	36.36	30.770		
7,500.0	7,475.6	7,376.2	7,160.3	19.3	34.8	25.01	-1,259.7	-986.2	1,138.6	1,101.7	36.90	30.855		
7,534.5	7,510.0	7,410.0	7,192.8	19.4	35.0	25.01	-1,267.2	-991.9	1,145.3	1,108.3	37.09	30.883		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	90.02	0.0	20.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	20.0	20.0	19.8	0.22	89.039		
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	20.0	20.0	19.3	0.67	29.680		
300.0	300.0	300.0	300.0	0.6	0.6	90.02	0.0	20.0	20.0	18.9	1.12	17.808		
400.0	400.0	400.0	400.0	0.8	0.8	90.02	0.0	20.0	20.0	18.4	1.57	12.720		
500.0	500.0	500.0	500.0	1.0	1.0	90.02	0.0	20.0	20.0	18.0	2.02	9.893		
600.0	600.0	600.0	600.0	1.2	1.2	90.02	0.0	20.0	20.0	17.5	2.47	8.094		
700.0	700.0	700.0	700.0	1.5	1.5	90.02	0.0	20.0	20.0	17.1	2.92	6.849		
800.0	800.0	800.0	800.0	1.7	1.7	90.02	0.0	20.0	20.0	16.6	3.37	5.936		
900.0	900.0	900.0	900.0	1.9	1.9	90.02	0.0	20.0	20.0	16.2	3.82	5.238		
1,000.0	1,000.0	1,000.0	1,000.0	2.1	2.1	90.02	0.0	20.0	20.0	15.7	4.27	4.686		
1,100.0	1,100.0	1,100.0	1,100.0	2.4	2.4	90.02	0.0	20.0	20.0	15.3	4.72	4.240 CC		
1,200.0	1,200.0	1,199.8	1,199.8	2.6	2.6	92.20	-0.8	20.4	20.4	15.3	5.14	3.971 ES		
1,300.0	1,300.0	1,299.6	1,299.6	2.8	2.7	98.22	-3.1	21.6	21.8	16.3	5.54	3.933 SF		
1,400.0	1,400.0	1,399.3	1,399.1	3.0	2.9	-96.33	-7.0	23.5	24.6	18.7	5.92	4.158		
1,500.0	1,500.0	1,498.9	1,498.5	3.2	3.1	-92.38	-12.4	26.2	29.0	22.7	6.29	4.612		
1,600.0	1,599.9	1,598.3	1,597.7	3.4	3.3	-90.42	-19.4	29.7	34.7	28.1	6.67	5.210		
1,700.0	1,699.7	1,697.5	1,696.5	3.6	3.5	-89.80	-27.8	34.0	41.8	34.7	7.07	5.914		
1,800.0	1,799.4	1,796.6	1,794.9	3.8	3.8	-89.99	-37.8	39.0	50.1	42.6	7.49	6.694		
1,823.3	1,822.6	1,819.6	1,817.8	3.8	3.8	-90.12	-40.3	40.3	52.2	44.6	7.59	6.883		
1,900.0	1,899.0	1,895.5	1,892.9	4.0	4.0	-90.23	-49.3	44.7	59.7	51.8	7.93	7.530		
2,000.0	1,998.5	1,994.0	1,990.4	4.2	4.3	-89.51	-62.2	51.2	70.5	62.1	8.39	8.410		
2,100.0	2,098.1	2,092.3	2,087.4	4.4	4.6	-88.20	-76.6	58.5	82.7	73.8	8.86	9.328		
2,200.0	2,197.7	2,190.2	2,183.6	4.7	4.9	-86.57	-92.4	66.4	96.1	86.8	9.35	10.281		
2,300.0	2,297.3	2,287.6	2,279.2	4.9	5.3	-84.81	-109.6	75.0	111.0	101.2	9.85	11.268		
2,400.0	2,396.9	2,384.6	2,373.9	5.1	5.6	-83.03	-128.2	84.3	127.3	116.9	10.36	12.288		
2,500.0	2,496.5	2,481.1	2,467.7	5.4	6.0	-81.28	-148.0	94.3	145.1	134.2	10.88	13.338		
2,600.0	2,596.0	2,576.9	2,560.6	5.6	6.5	-79.61	-169.2	104.9	164.3	153.0	11.40	14.419		
2,700.0	2,695.6	2,674.6	2,655.0	5.9	6.9	-78.11	-191.5	116.2	184.5	172.6	11.93	15.466		
2,800.0	2,795.2	2,772.4	2,749.6	6.2	7.4	-76.90	-213.9	127.4	204.8	192.3	12.47	16.427		
2,900.0	2,894.8	2,870.3	2,844.2	6.4	7.8	-75.91	-236.3	138.6	225.1	212.1	13.01	17.307		
3,000.0	2,994.4	2,968.1	2,938.8	6.7	8.3	-75.09	-258.7	149.9	245.6	232.0	13.56	18.115		
3,100.0	3,094.0	3,066.0	3,033.4	7.0	8.8	-74.39	-281.1	161.1	266.0	251.9	14.10	18.858		
3,200.0	3,193.5	3,163.8	3,127.9	7.2	9.3	-73.79	-303.5	172.3	286.5	271.8	14.66	19.544		
3,300.0	3,293.1	3,261.6	3,222.5	7.5	9.8	-73.27	-325.9	183.6	307.0	291.8	15.21	20.177		
3,400.0	3,392.7	3,359.5	3,317.1	7.8	10.3	-72.81	-348.2	194.8	327.5	311.7	15.77	20.762		
3,500.0	3,492.3	3,457.3	3,411.7	8.0	10.8	-72.41	-370.6	206.1	348.0	331.7	16.34	21.306		
3,600.0	3,591.9	3,555.2	3,506.3	8.3	11.3	-72.06	-393.0	217.3	368.6	351.7	16.90	21.811		
3,700.0	3,691.5	3,653.0	3,600.8	8.6	11.8	-71.74	-415.4	228.5	389.2	371.7	17.47	22.282		
3,800.0	3,791.0	3,750.8	3,695.4	8.9	12.4	-71.45	-437.8	239.8	409.7	391.7	18.03	22.721		
3,900.0	3,890.6	3,848.7	3,790.0	9.1	12.9	-71.19	-460.2	251.0	430.3	411.7	18.60	23.132		
4,000.0	3,990.2	3,946.5	3,884.6	9.4	13.4	-70.96	-482.6	262.2	450.9	431.7	19.17	23.517		
4,100.0	4,089.8	4,044.4	3,979.2	9.7	13.9	-70.74	-504.9	273.5	471.5	451.8	19.75	23.878		
4,200.0	4,189.4	4,142.2	4,073.7	10.0	14.4	-70.55	-527.3	284.7	492.1	471.8	20.32	24.218		
4,300.0	4,289.0	4,240.0	4,168.3	10.2	15.0	-70.37	-549.7	296.0	512.7	491.8	20.90	24.537		
4,400.0	4,388.5	4,337.9	4,262.9	10.5	15.5	-70.20	-572.1	307.2	533.4	511.9	21.47	24.839		
4,500.0	4,488.1	4,435.7	4,357.5	10.8	16.0	-70.04	-594.5	318.4	554.0	531.9	22.05	25.124		
4,600.0	4,587.7	4,533.6	4,452.1	11.1	16.5	-69.90	-616.9	329.7	574.6	552.0	22.63	25.393		
4,700.0	4,687.3	4,631.4	4,546.6	11.4	17.0	-69.77	-639.3	340.9	595.2	572.0	23.21	25.648		
4,800.0	4,786.9	4,729.2	4,641.2	11.6	17.6	-69.64	-661.6	352.1	615.9	592.1	23.79	25.890		
4,900.0	4,886.5	4,827.1	4,735.8	11.9	18.1	-69.53	-684.0	363.4	636.5	612.1	24.37	26.119		

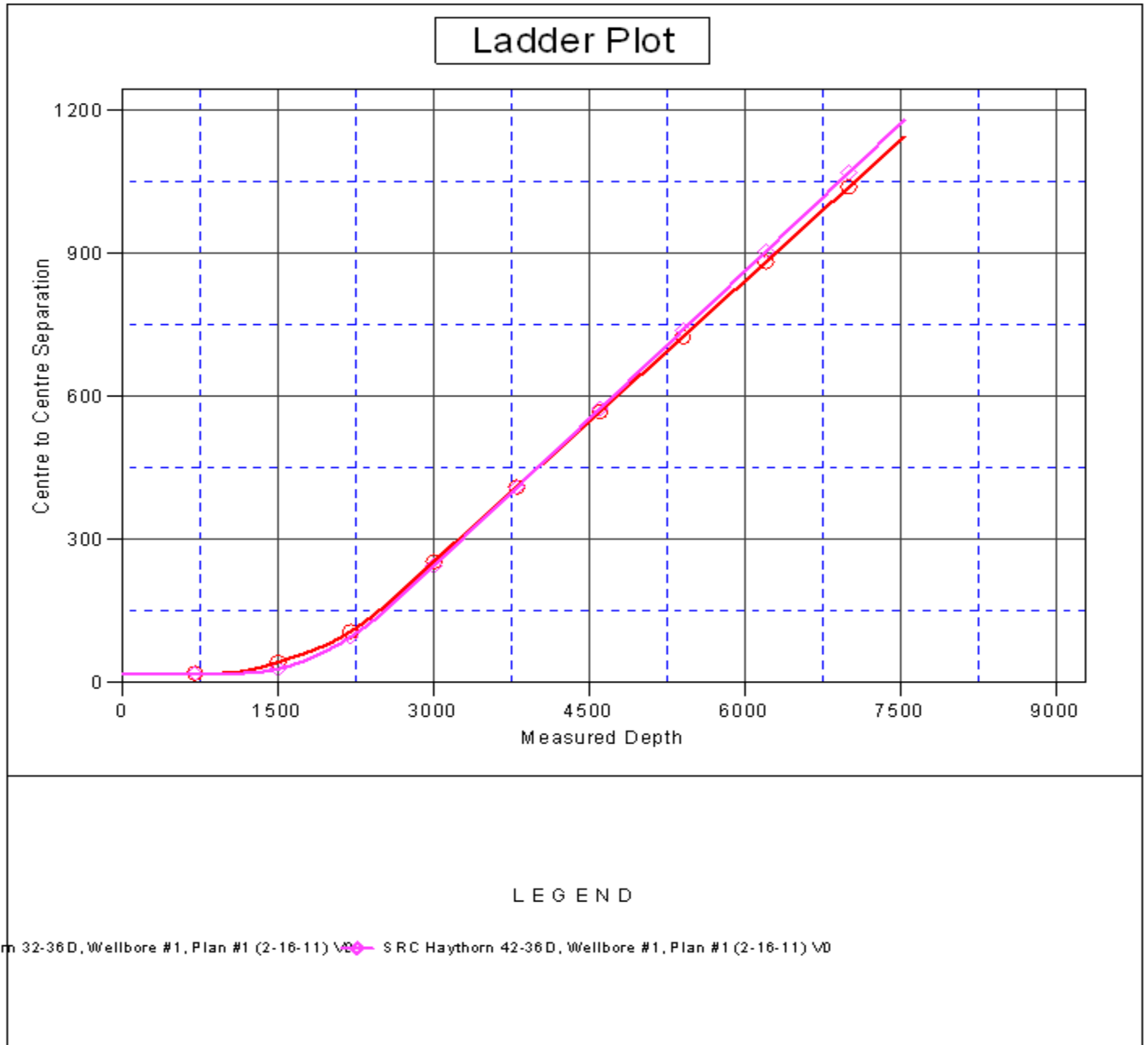
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Offset Design													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		
5,000.0	4,986.0	4,924.9	4,830.4	12.2	18.6	-69.42	-706.4	374.6	657.1	632.2	24.95	26.337		
5,100.0	5,085.6	5,022.8	4,925.0	12.5	19.2	-69.31	-728.8	385.8	677.8	652.2	25.53	26.545		
5,200.0	5,185.2	5,120.6	5,019.5	12.8	19.7	-69.22	-751.2	397.1	698.4	672.3	26.12	26.743		
5,300.0	5,284.8	5,218.4	5,114.1	13.0	20.2	-69.13	-773.6	408.3	719.0	692.3	26.70	26.931		
5,400.0	5,384.4	5,316.3	5,208.7	13.3	20.7	-69.04	-796.0	419.6	739.7	712.4	27.28	27.111		
5,500.0	5,483.9	5,414.1	5,303.3	13.6	21.3	-68.96	-818.4	430.8	760.3	732.5	27.87	27.283		
5,600.0	5,583.5	5,512.0	5,397.9	13.9	21.8	-68.88	-840.7	442.0	781.0	752.5	28.45	27.448		
5,700.0	5,683.1	5,609.8	5,492.4	14.2	22.3	-68.81	-863.1	453.3	801.6	772.6	29.04	27.605		
5,800.0	5,782.7	5,707.7	5,587.0	14.5	22.9	-68.74	-885.5	464.5	822.3	792.6	29.62	27.756		
5,900.0	5,882.3	5,805.5	5,681.6	14.7	23.4	-68.67	-907.9	475.7	842.9	812.7	30.21	27.901		
6,000.0	5,981.9	5,903.3	5,776.2	15.0	23.9	-68.61	-930.3	487.0	863.6	832.8	30.80	28.039		
6,100.0	6,081.4	6,001.2	5,870.8	15.3	24.5	-68.55	-952.7	498.2	884.2	852.8	31.39	28.173		
6,200.0	6,181.0	6,099.0	5,965.3	15.6	25.0	-68.49	-975.1	509.5	904.9	872.9	31.97	28.301		
6,300.0	6,280.6	6,196.9	6,059.9	15.9	25.5	-68.44	-997.4	520.7	925.5	893.0	32.56	28.424		
6,400.0	6,380.2	6,294.7	6,154.5	16.2	26.1	-68.39	-1,019.8	531.9	946.2	913.0	33.15	28.543		
6,500.0	6,479.8	6,392.5	6,249.1	16.4	26.6	-68.34	-1,042.2	543.2	966.8	933.1	33.74	28.657		
6,600.0	6,579.4	6,490.4	6,343.7	16.7	27.1	-68.29	-1,064.6	554.4	987.5	953.2	34.33	28.767		
6,700.0	6,678.9	6,588.2	6,438.2	17.0	27.7	-68.24	-1,087.0	565.6	1,008.1	973.2	34.92	28.873		
6,800.0	6,778.5	6,686.1	6,532.8	17.3	28.2	-68.20	-1,109.4	576.9	1,028.8	993.3	35.51	28.975		
6,900.0	6,878.1	6,783.9	6,627.4	17.6	28.7	-68.16	-1,131.8	588.1	1,049.5	1,013.4	36.10	29.074		
7,000.0	6,977.7	6,881.7	6,722.0	17.9	29.3	-68.12	-1,154.1	599.4	1,070.1	1,033.4	36.69	29.169		
7,100.0	7,077.3	6,979.6	6,816.6	18.2	29.8	-68.08	-1,176.5	610.6	1,090.8	1,053.5	37.28	29.262		
7,200.0	7,176.9	7,077.4	6,911.1	18.4	30.3	-68.04	-1,198.9	621.8	1,111.4	1,073.6	37.87	29.351		
7,300.0	7,276.4	7,175.3	7,005.7	18.7	30.9	-68.00	-1,221.3	633.1	1,132.1	1,093.6	38.46	29.437		
7,400.0	7,376.0	7,273.1	7,100.3	19.0	31.4	-67.97	-1,243.7	644.3	1,152.7	1,113.7	39.05	29.520		
7,500.0	7,475.6	7,370.9	7,194.9	19.3	31.9	-67.93	-1,266.1	655.5	1,173.4	1,133.8	39.64	29.601		
7,534.5	7,510.0	7,404.7	7,227.5	19.4	32.1	-67.92	-1,273.8	659.4	1,180.5	1,140.7	39.84	29.629		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Haythorn 36CD
Project:	SEC.36-T7N-R66W	TVD Reference:	WELL @ 4866.0ft (Original Well Elev)
Reference Site:	SRC Haythorn 31-36D Pad Sec.36-T7N-R66W	MD Reference:	WELL @ 4866.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	SRC Haythorn 36CD	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	Landmark
Reference Design:	Plan #1 (2-16-11)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4866.0ft (Original Well Elev) Coordinates are relative to: SRC Haythorn 36CD
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 ° Grid Convergence at Surface is: 0.50°



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