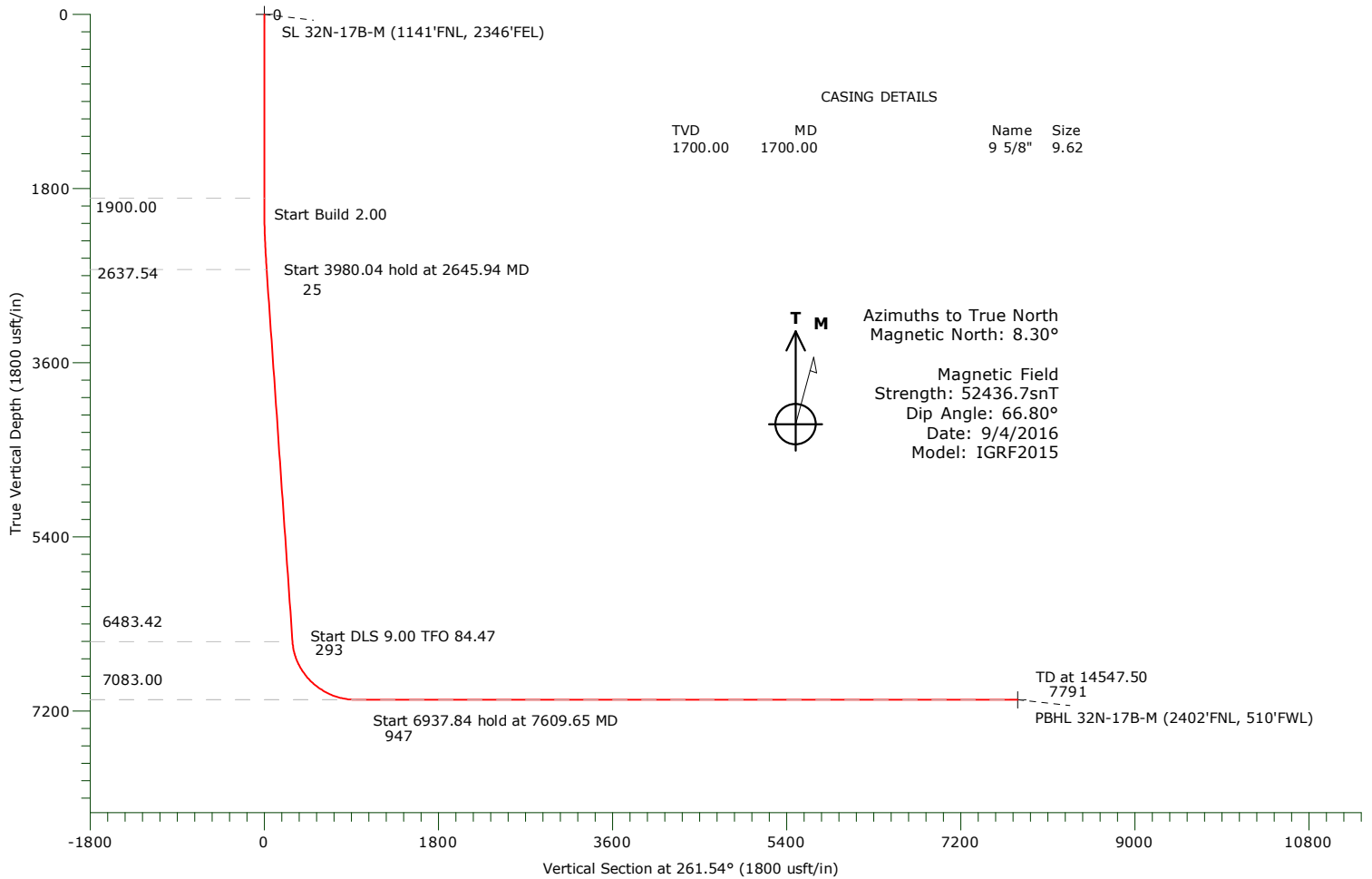
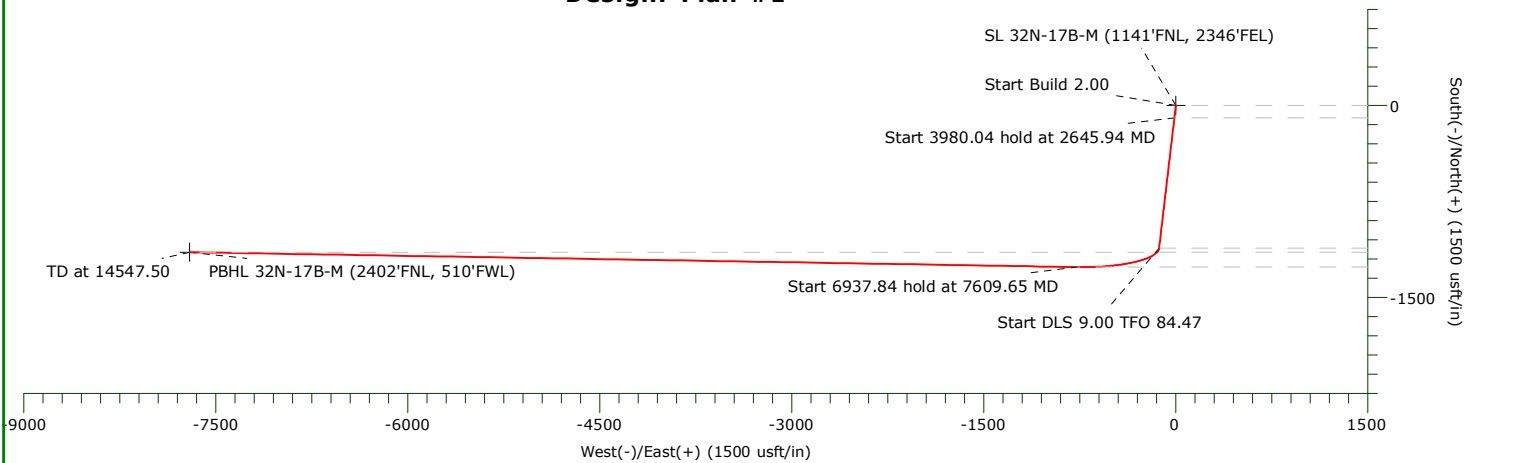




**SYNERGY RESOURCES CORP.**  
Project: Weld County, CO NAD 83  
Site: Kawata Pad  
Well: 32N-17B-M  
Wellbore: Original Hole  
Design: Plan #1



**WELLBORE TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
SL 32N-17B-M (1141'FNL, 2346'FEL)	0.00	0.00	0.00	1358693.86	3200314.80	40.315788°N	104.781648°W	Point
PBHL 32N-17B-M (2402'FNL, 510'FWL)	7083.00	-1145.58	-7706.27	1357485.89	3192618.06	40.312640°N	104.809282°W	Point

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	
3	2645.94	14.92	186.68	2637.54	-95.91	-11.23	2.00	186.68	25.21	
4	6625.99	14.92	186.68	6483.42	-1113.62	-130.42	0.00	0.00	292.75	
5	7609.65	90.00	270.96	7083.00	-1261.88	-769.40	9.00	84.47	946.59	
6	14547.50	90.00	270.96	7083.00	-1145.58	-7706.27	0.00	0.00	7790.96	PBHL 32N-17B-M (2402'FNL, 510'FWL)

# **SYNERGY RESOURCES CORP.**

**Weld County, CO NAD 83**

**Kawata Pad**

**32N-17B-M**

**Original Hole**

**Plan: Plan #1**

## **Standard Planning Report**

**04 August, 2016**

# Precision Drilling Corporation

## Planning Report

<b>Database:</b>	COMPASS_ROCKIES	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site:</b>	Kawata Pad	<b>North Reference:</b>	True
<b>Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan #1		

<b>Project</b>	Weld County, CO NAD 83		
<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		

Site	Kawata Pad, Site centered on 4N-17B-M				
Site Position:		Northing:	1,358,833.76 usft	Latitude:	40.316172°N
From:	Lat/Long	Easting:	3,200,314.79 usft	Longitude:	104.781644°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.46

Well	32N-17B-M					
Well Position	+N/-S	-139.90 usft	Northing:	1,358,693.86 usft	Latitude:	40.315788°N
	+E/-W	-1.12 usft	Easting:	3,200,314.80 usft	Longitude:	104.781648°W
Position Uncertainty		3.28 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,732.00 usft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	9/4/2016	8.30	66.80	52,437

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	261.54	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,645.94	14.92	186.68	2,637.54	-95.91	-11.23	2.00	2.00	0.00	186.68	
6,625.99	14.92	186.68	6,483.42	-1,113.62	-130.42	0.00	0.00	0.00	0.00	
7,609.65	90.00	270.96	7,083.00	-1,261.88	-769.40	9.00	7.63	8.57	84.47	
14,547.50	90.00	270.96	7,083.00	-1,145.58	-7,706.27	0.00	0.00	0.00	0.00	PBHL 32N-17B-M (

# Precision Drilling Corporation

## Planning Report

<b>Database:</b>	COMPASS_ROCKIES	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site:</b>	Kawata Pad	<b>North Reference:</b>	True
<b>Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	2.00	186.68	1,999.98	-1.73	-0.20	0.46	2.00	2.00	0.00
2,100.00	4.00	186.68	2,099.84	-6.93	-0.81	1.82	2.00	2.00	0.00
2,200.00	6.00	186.68	2,199.45	-15.59	-1.83	4.10	2.00	2.00	0.00
2,300.00	8.00	186.68	2,298.70	-27.69	-3.24	7.28	2.00	2.00	0.00
2,400.00	10.00	186.68	2,397.47	-43.23	-5.06	11.36	2.00	2.00	0.00
2,500.00	12.00	186.68	2,495.62	-62.18	-7.28	16.35	2.00	2.00	0.00
2,600.00	14.00	186.68	2,593.06	-84.52	-9.90	22.22	2.00	2.00	0.00
2,645.94	14.92	186.68	2,637.54	-95.91	-11.23	25.21	2.00	2.00	0.00
2,700.00	14.92	186.68	2,689.78	-109.74	-12.85	28.85	0.00	0.00	0.00
2,800.00	14.92	186.68	2,786.41	-135.31	-15.85	35.57	0.00	0.00	0.00
2,900.00	14.92	186.68	2,883.04	-160.88	-18.84	42.29	0.00	0.00	0.00
3,000.00	14.92	186.68	2,979.66	-186.45	-21.84	49.01	0.00	0.00	0.00
3,100.00	14.92	186.68	3,076.29	-212.02	-24.83	55.73	0.00	0.00	0.00
3,200.00	14.92	186.68	3,172.92	-237.59	-27.82	62.46	0.00	0.00	0.00
3,300.00	14.92	186.68	3,269.55	-263.16	-30.82	69.18	0.00	0.00	0.00
3,400.00	14.92	186.68	3,366.18	-288.73	-33.81	75.90	0.00	0.00	0.00
3,500.00	14.92	186.68	3,462.81	-314.30	-36.81	82.62	0.00	0.00	0.00
3,600.00	14.92	186.68	3,559.44	-339.87	-39.80	89.34	0.00	0.00	0.00
3,700.00	14.92	186.68	3,656.07	-365.44	-42.80	96.07	0.00	0.00	0.00
3,800.00	14.92	186.68	3,752.70	-391.01	-45.79	102.79	0.00	0.00	0.00
3,900.00	14.92	186.68	3,849.33	-416.58	-48.79	109.51	0.00	0.00	0.00
4,000.00	14.92	186.68	3,945.96	-442.15	-51.78	116.23	0.00	0.00	0.00
4,100.00	14.92	186.68	4,042.59	-467.72	-54.78	122.95	0.00	0.00	0.00
4,200.00	14.92	186.68	4,139.21	-493.29	-57.77	129.68	0.00	0.00	0.00
4,300.00	14.92	186.68	4,235.84	-518.86	-60.76	136.40	0.00	0.00	0.00
4,400.00	14.92	186.68	4,332.47	-544.43	-63.76	143.12	0.00	0.00	0.00
4,500.00	14.92	186.68	4,429.10	-570.00	-66.75	149.84	0.00	0.00	0.00
4,600.00	14.92	186.68	4,525.73	-595.57	-69.75	156.56	0.00	0.00	0.00
4,700.00	14.92	186.68	4,622.36	-621.14	-72.74	163.28	0.00	0.00	0.00
4,800.00	14.92	186.68	4,718.99	-646.71	-75.74	170.01	0.00	0.00	0.00
4,900.00	14.92	186.68	4,815.62	-672.28	-78.73	176.73	0.00	0.00	0.00
5,000.00	14.92	186.68	4,912.25	-697.85	-81.73	183.45	0.00	0.00	0.00
5,100.00	14.92	186.68	5,008.88	-723.42	-84.72	190.17	0.00	0.00	0.00
5,200.00	14.92	186.68	5,105.51	-748.99	-87.72	196.89	0.00	0.00	0.00

# Precision Drilling Corporation

## Planning Report

<b>Database:</b>	COMPASS_ROCKIES	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site:</b>	Kawata Pad	<b>North Reference:</b>	True
<b>Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.00	14.92	186.68	5,202.14	-774.56	-90.71	203.62	0.00	0.00	0.00
5,400.00	14.92	186.68	5,298.76	-800.13	-93.71	210.34	0.00	0.00	0.00
5,500.00	14.92	186.68	5,395.39	-825.70	-96.70	217.06	0.00	0.00	0.00
5,600.00	14.92	186.68	5,492.02	-851.27	-99.69	223.78	0.00	0.00	0.00
5,700.00	14.92	186.68	5,588.65	-876.84	-102.69	230.50	0.00	0.00	0.00
5,800.00	14.92	186.68	5,685.28	-902.41	-105.68	237.23	0.00	0.00	0.00
5,900.00	14.92	186.68	5,781.91	-927.98	-108.68	243.95	0.00	0.00	0.00
6,000.00	14.92	186.68	5,878.54	-953.56	-111.67	250.67	0.00	0.00	0.00
6,100.00	14.92	186.68	5,975.17	-979.13	-114.67	257.39	0.00	0.00	0.00
6,200.00	14.92	186.68	6,071.80	-1,004.70	-117.66	264.11	0.00	0.00	0.00
6,300.00	14.92	186.68	6,168.43	-1,030.27	-120.66	270.84	0.00	0.00	0.00
6,400.00	14.92	186.68	6,265.06	-1,055.84	-123.65	277.56	0.00	0.00	0.00
6,500.00	14.92	186.68	6,361.68	-1,081.41	-126.65	284.28	0.00	0.00	0.00
6,600.00	14.92	186.68	6,458.31	-1,106.98	-129.64	291.00	0.00	0.00	0.00
6,625.99	14.92	186.68	6,483.42	-1,113.62	-130.42	292.75	0.00	0.00	0.00
6,650.00	15.28	194.87	6,506.61	-1,119.75	-131.59	294.81	9.00	1.49	34.11
6,700.00	16.88	210.10	6,554.68	-1,132.40	-136.93	301.95	9.00	3.22	30.47
6,750.00	19.40	222.13	6,602.20	-1,144.85	-146.14	312.89	9.00	5.03	24.06
6,800.00	22.52	231.22	6,648.90	-1,157.01	-159.19	327.58	9.00	6.24	18.18
6,850.00	26.03	238.09	6,694.48	-1,168.82	-175.97	345.92	9.00	7.02	13.74
6,900.00	29.79	243.38	6,738.66	-1,180.19	-196.40	367.81	9.00	7.52	10.58
6,950.00	33.72	247.56	6,781.17	-1,191.06	-220.35	393.09	9.00	7.86	8.36
7,000.00	37.77	250.95	6,821.75	-1,201.36	-247.67	421.62	9.00	8.08	6.78
7,050.00	41.89	253.77	6,860.14	-1,211.03	-278.18	453.23	9.00	8.25	5.64
7,100.00	46.07	256.16	6,896.12	-1,220.00	-311.71	487.71	9.00	8.36	4.79
7,150.00	50.30	258.24	6,929.45	-1,228.23	-348.04	524.85	9.00	8.45	4.16
7,200.00	54.55	260.08	6,959.94	-1,235.66	-386.95	564.44	9.00	8.52	3.68
7,250.00	58.84	261.73	6,987.39	-1,242.25	-428.20	606.21	9.00	8.57	3.31
7,300.00	63.14	263.24	7,011.63	-1,247.95	-471.54	649.92	9.00	8.60	3.02
7,350.00	67.46	264.64	7,032.52	-1,252.73	-516.70	695.29	9.00	8.63	2.80
7,400.00	71.78	265.96	7,049.93	-1,256.57	-563.40	742.04	9.00	8.66	2.63
7,450.00	76.12	267.20	7,063.75	-1,259.43	-611.36	789.90	9.00	8.67	2.50
7,500.00	80.46	268.41	7,073.89	-1,261.30	-660.27	838.55	9.00	8.69	2.41
7,550.00	84.81	269.58	7,080.30	-1,262.16	-709.84	887.71	9.00	8.69	2.35
7,600.00	89.16	270.74	7,082.93	-1,262.02	-759.75	937.06	9.00	8.70	2.31
7,609.65	90.00	270.96	7,083.00	-1,261.88	-769.40	946.59	9.00	8.70	2.31
7,700.00	90.00	270.96	7,083.00	-1,260.37	-859.74	1,035.72	0.00	0.00	0.00
7,800.00	90.00	270.96	7,083.00	-1,258.69	-959.73	1,134.37	0.00	0.00	0.00
7,900.00	90.00	270.96	7,083.00	-1,257.01	-1,059.71	1,233.02	0.00	0.00	0.00
8,000.00	90.00	270.96	7,083.00	-1,255.34	-1,159.70	1,331.68	0.00	0.00	0.00
8,100.00	90.00	270.96	7,083.00	-1,253.66	-1,259.68	1,430.33	0.00	0.00	0.00
8,200.00	90.00	270.96	7,083.00	-1,251.99	-1,359.67	1,528.98	0.00	0.00	0.00
8,300.00	90.00	270.96	7,083.00	-1,250.31	-1,459.65	1,627.63	0.00	0.00	0.00
8,400.00	90.00	270.96	7,083.00	-1,248.63	-1,559.64	1,726.29	0.00	0.00	0.00
8,500.00	90.00	270.96	7,083.00	-1,246.96	-1,659.63	1,824.94	0.00	0.00	0.00
8,600.00	90.00	270.96	7,083.00	-1,245.28	-1,759.61	1,923.59	0.00	0.00	0.00
8,700.00	90.00	270.96	7,083.00	-1,243.60	-1,859.60	2,022.25	0.00	0.00	0.00
8,800.00	90.00	270.96	7,083.00	-1,241.93	-1,959.58	2,120.90	0.00	0.00	0.00
8,900.00	90.00	270.96	7,083.00	-1,240.25	-2,059.57	2,219.55	0.00	0.00	0.00
9,000.00	90.00	270.96	7,083.00	-1,238.58	-2,159.56	2,318.20	0.00	0.00	0.00
9,100.00	90.00	270.96	7,083.00	-1,236.90	-2,259.54	2,416.86	0.00	0.00	0.00
9,200.00	90.00	270.96	7,083.00	-1,235.22	-2,359.53	2,515.51	0.00	0.00	0.00
9,300.00	90.00	270.96	7,083.00	-1,233.55	-2,459.51	2,614.16	0.00	0.00	0.00
9,400.00	90.00	270.96	7,083.00	-1,231.87	-2,559.50	2,712.81	0.00	0.00	0.00

# Precision Drilling Corporation

## Planning Report

<b>Database:</b>	COMPASS_ROCKIES	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site:</b>	Kawata Pad	<b>North Reference:</b>	True
<b>Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.00	90.00	270.96	7,083.00	-1,230.19	-2,659.49	2,811.47	0.00	0.00	0.00
9,600.00	90.00	270.96	7,083.00	-1,228.52	-2,759.47	2,910.12	0.00	0.00	0.00
9,700.00	90.00	270.96	7,083.00	-1,226.84	-2,859.46	3,008.77	0.00	0.00	0.00
9,800.00	90.00	270.96	7,083.00	-1,225.16	-2,959.44	3,107.42	0.00	0.00	0.00
9,900.00	90.00	270.96	7,083.00	-1,223.49	-3,059.43	3,206.08	0.00	0.00	0.00
10,000.00	90.00	270.96	7,083.00	-1,221.81	-3,159.42	3,304.73	0.00	0.00	0.00
10,100.00	90.00	270.96	7,083.00	-1,220.14	-3,259.40	3,403.38	0.00	0.00	0.00
10,200.00	90.00	270.96	7,083.00	-1,218.46	-3,359.39	3,502.04	0.00	0.00	0.00
10,300.00	90.00	270.96	7,083.00	-1,216.78	-3,459.37	3,600.69	0.00	0.00	0.00
10,400.00	90.00	270.96	7,083.00	-1,215.11	-3,559.36	3,699.34	0.00	0.00	0.00
10,500.00	90.00	270.96	7,083.00	-1,213.43	-3,659.35	3,797.99	0.00	0.00	0.00
10,600.00	90.00	270.96	7,083.00	-1,211.75	-3,759.33	3,896.65	0.00	0.00	0.00
10,700.00	90.00	270.96	7,083.00	-1,210.08	-3,859.32	3,995.30	0.00	0.00	0.00
10,800.00	90.00	270.96	7,083.00	-1,208.40	-3,959.30	4,093.95	0.00	0.00	0.00
10,900.00	90.00	270.96	7,083.00	-1,206.73	-4,059.29	4,192.60	0.00	0.00	0.00
11,000.00	90.00	270.96	7,083.00	-1,205.05	-4,159.28	4,291.26	0.00	0.00	0.00
11,100.00	90.00	270.96	7,083.00	-1,203.37	-4,259.26	4,389.91	0.00	0.00	0.00
11,200.00	90.00	270.96	7,083.00	-1,201.70	-4,359.25	4,488.56	0.00	0.00	0.00
11,300.00	90.00	270.96	7,083.00	-1,200.02	-4,459.23	4,587.21	0.00	0.00	0.00
11,400.00	90.00	270.96	7,083.00	-1,198.34	-4,559.22	4,685.87	0.00	0.00	0.00
11,500.00	90.00	270.96	7,083.00	-1,196.67	-4,659.21	4,784.52	0.00	0.00	0.00
11,600.00	90.00	270.96	7,083.00	-1,194.99	-4,759.19	4,883.17	0.00	0.00	0.00
11,700.00	90.00	270.96	7,083.00	-1,193.31	-4,859.18	4,981.83	0.00	0.00	0.00
11,800.00	90.00	270.96	7,083.00	-1,191.64	-4,959.16	5,080.48	0.00	0.00	0.00
11,900.00	90.00	270.96	7,083.00	-1,189.96	-5,059.15	5,179.13	0.00	0.00	0.00
12,000.00	90.00	270.96	7,083.00	-1,188.29	-5,159.14	5,277.78	0.00	0.00	0.00
12,100.00	90.00	270.96	7,083.00	-1,186.61	-5,259.12	5,376.44	0.00	0.00	0.00
12,200.00	90.00	270.96	7,083.00	-1,184.93	-5,359.11	5,475.09	0.00	0.00	0.00
12,300.00	90.00	270.96	7,083.00	-1,183.26	-5,459.09	5,573.74	0.00	0.00	0.00
12,400.00	90.00	270.96	7,083.00	-1,181.58	-5,559.08	5,672.39	0.00	0.00	0.00
12,500.00	90.00	270.96	7,083.00	-1,179.90	-5,659.06	5,771.05	0.00	0.00	0.00
12,600.00	90.00	270.96	7,083.00	-1,178.23	-5,759.05	5,869.70	0.00	0.00	0.00
12,700.00	90.00	270.96	7,083.00	-1,176.55	-5,859.04	5,968.35	0.00	0.00	0.00
12,800.00	90.00	270.96	7,083.00	-1,174.88	-5,959.02	6,067.00	0.00	0.00	0.00
12,900.00	90.00	270.96	7,083.00	-1,173.20	-6,059.01	6,165.66	0.00	0.00	0.00
13,000.00	90.00	270.96	7,083.00	-1,171.52	-6,158.99	6,264.31	0.00	0.00	0.00
13,100.00	90.00	270.96	7,083.00	-1,169.85	-6,258.98	6,362.96	0.00	0.00	0.00
13,200.00	90.00	270.96	7,083.00	-1,168.17	-6,358.97	6,461.62	0.00	0.00	0.00
13,300.00	90.00	270.96	7,083.00	-1,166.49	-6,458.95	6,560.27	0.00	0.00	0.00
13,400.00	90.00	270.96	7,083.00	-1,164.82	-6,558.94	6,658.92	0.00	0.00	0.00
13,500.00	90.00	270.96	7,083.00	-1,163.14	-6,658.92	6,757.57	0.00	0.00	0.00
13,600.00	90.00	270.96	7,083.00	-1,161.46	-6,758.91	6,856.23	0.00	0.00	0.00
13,700.00	90.00	270.96	7,083.00	-1,159.79	-6,858.90	6,954.88	0.00	0.00	0.00
13,800.00	90.00	270.96	7,083.00	-1,158.11	-6,958.88	7,053.53	0.00	0.00	0.00
13,900.00	90.00	270.96	7,083.00	-1,156.44	-7,058.87	7,152.18	0.00	0.00	0.00
14,000.00	90.00	270.96	7,083.00	-1,154.76	-7,158.85	7,250.84	0.00	0.00	0.00
14,100.00	90.00	270.96	7,083.00	-1,153.08	-7,258.84	7,349.49	0.00	0.00	0.00
14,200.00	90.00	270.96	7,083.00	-1,151.41	-7,358.83	7,448.14	0.00	0.00	0.00
14,300.00	90.00	270.96	7,083.00	-1,149.73	-7,458.81	7,546.80	0.00	0.00	0.00
14,400.00	90.00	270.96	7,083.00	-1,148.05	-7,558.80	7,645.45	0.00	0.00	0.00
14,500.00	90.00	270.96	7,083.00	-1,146.38	-7,658.78	7,744.10	0.00	0.00	0.00
14,547.50	90.00	270.96	7,083.00	-1,145.58	-7,706.27	7,790.96	0.00	0.00	0.00

# Precision Drilling Corporation

## Planning Report

<b>Database:</b>	COMPASS_ROCKIES	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site:</b>	Kawata Pad	<b>North Reference:</b>	True
<b>Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SL 32N-17B-M (1141'	0.00	0.00	0.00	0.00	0.00	1,358,693.86	3,200,314.80	40.315788°N	104.781648°W
- plan hits target center									
- Point									
PBHL 32N-17B-M (24	0.00	0.00	7,083.00	-1,145.58	-7,706.27	1,357,485.89	3,192,618.06	40.312640°N	104.809282°W
- plan hits target center									
- Point									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(usft)	(usft)	Name	(in)	(in)
	1,700.00	1,700.00	9 5/8"	9.62	13.50

# **SYNERGY RESOURCES CORP.**

**Weld County, CO NAD 83  
Kawata Pad  
32N-17B-M**

**Original Hole  
Plan #1**

## **Anticollision Report**

**04 August, 2016**



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria
<b>Interpolation Method:</b>	MD Interval 100.00usft
<b>Depth Range:</b>	Unlimited
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.00 us
<b>Warning Levels Evaluated at:</b>	2.45 Sigma
<b>Error Model:</b>	ISCWSA
<b>Scan Method:</b>	Closest Approach 3D
<b>Error Surface:</b>	Elliptical Conic
<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	8/4/2016
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>
0.00	14,547.50	Plan #1 (Original Hole)
		<b>Tool Name</b>
		MWD
		<b>Description</b>
		Fixed:v2:standard declination

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Kawata Pad						
30C-17-M - Original Hole - Plan #1	1,900.00	1,900.00	159.92	147.87	13.269	CC, ES
30C-17-M - Original Hole - Plan #1	2,000.00	1,994.74	163.27	150.79	13.090	SF
31C-17-M - Original Hole - Plan #1	1,900.00	1,900.00	79.78	67.73	6.620	CC, ES
31C-17-M - Original Hole - Plan #1	2,000.00	1,999.98	81.52	69.03	6.528	SF
31N-17A-M - Original Hole - Plan #1	1,900.00	1,900.00	99.82	87.77	8.283	CC, ES
31N-17A-M - Original Hole - Plan #1	2,000.00	1,999.98	101.56	89.07	8.133	SF
31N-17C-M - Original Hole - Plan #1	1,900.00	1,900.00	60.11	48.06	4.988	CC
31N-17C-M - Original Hole - Plan #1	2,200.00	2,206.08	60.32	47.16	4.582	ES
31N-17C-M - Original Hole - Plan #1	14,547.50	14,505.64	817.61	301.22	1.583	SF
32N-17C-M - Original Hole - Plan #1	1,800.00	1,800.00	20.03	8.44	1.728	CC
32N-17C-M - Original Hole - Plan #1	14,547.50	14,666.14	288.28	-200.80	0.589	Level 1, ES, SF
4N-17B-M - Original Hole - Plan #1	1,900.00	1,900.00	139.89	127.84	11.607	CC, ES
4N-17B-M - Original Hole - Plan #1	2,000.00	1,995.53	143.19	130.71	11.479	SF
4N-17C-M - Original Hole - Plan #1	1,900.00	1,900.00	119.86	107.80	9.945	CC, ES
4N-17C-M - Original Hole - Plan #1	2,000.00	1,996.59	122.97	110.50	9.857	SF
5C-17-M - Original Hole - Plan #1	2,465.57	2,469.49	19.92	5.82	1.412	Level 3, CC
5C-17-M - Original Hole - Plan #1	14,547.50	14,663.83	254.01	-129.11	0.663	Level 1, ES, SF
5N-17B-M - Original Hole - Plan #1	2,357.96	2,364.32	39.99	26.27	2.914	CC
5N-17B-M - Original Hole - Plan #1	14,547.50	14,447.62	503.60	-16.46	0.968	Level 1, ES, SF

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

### Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Kawata Pad - Offset Wells						
Eaton Cattle Co. 1-18 - Original Hole - Original Hole						Out of range
Five Rivers K16-17 - Original Hole - Original Hole						Out of range
Five Rivers K17-27 - Original Hole - Original Hole						Out of range
Front Range 11-17-10 - Original Hole - Original Hole	11,929.73	7,214.74	868.82	668.28	4.332	CC
Front Range 11-17-10 - Original Hole - Original Hole	12,000.00	7,207.22	871.63	667.00	4.260	ES
Front Range 11-17-10 - Original Hole - Original Hole	12,100.00	7,198.07	885.19	676.84	4.249	SF
Front Range 11-17-5 - Original Hole - Original Hole	14,338.81	7,398.48	310.34	22.76	1.079	Level 2, CC, ES, SF
Front Range 11-17-6 - Original Hole - Original Hole	12,951.86	7,244.71	186.66	-35.98	0.838	Level 1, CC, ES, SF
Front Range 11-17-7 - Original Hole - Original Hole	11,800.00	7,340.01	271.96	70.40	1.349	Level 3, ES, SF
Front Range 11-17-7 - Original Hole - Original Hole	11,850.32	7,331.28	267.41	70.45	1.358	Level 3, CC
Front Range 11-17-8 - Original Hole - Original Hole	10,400.00	7,724.75	300.36	111.29	1.589	SF
Front Range 11-17-8 - Original Hole - Original Hole	10,475.41	7,701.38	291.63	109.75	1.603	CC, ES
Front Range 1-17 - Original Hole - Original Hole						Out of range
Genesis #1 - Original Hole - Original Hole	9,051.07	2,326.00	418.95	304.36	3.656	CC, ES, SF
Haren K 16-21 - Original Hole - Original Hole						Out of range
Kawata 2-16 - Original Hole - Original Hole	1,900.00	1,871.00	608.98	569.64	15.482	CC
Kawata 2-16 - Original Hole - Original Hole	2,000.00	1,970.98	610.47	569.17	14.781	ES
Kawata 2-16 - Original Hole - Original Hole	3,900.00	3,820.33	991.90	912.94	12.561	SF
Kawata 7-16 - Original Hole - Original Hole	4,876.76	4,766.17	315.82	211.24	3.020	CC
Kawata 7-16 - Original Hole - Original Hole	5,000.00	4,885.25	317.41	210.00	2.955	ES
Kawata 7-16 - Original Hole - Original Hole	5,200.00	5,078.51	326.60	214.86	2.923	SF
Lewis #2-20 - Original Hole - Original Hole						Out of range
Lewis 1-C - Original Hole - Original Hole						Out of range
Lorenz 1-D - Original Hole - Original Hole	14,400.24	7,036.00	948.51	568.80	2.498	CC, ES
Lorenz 1-D - Original Hole - Original Hole	14,500.00	7,036.00	953.74	570.01	2.485	SF
Monfort 1-29 - Original Hole - Original Hole						Out of range
Monfort 2-30 - Original Hole - Original Hole						Out of range
Smits 16-1216 - Original Hole - Original Hole	8,889.57	7,023.57	897.80	814.12	10.729	CC
Smits 16-1216 - Original Hole - Original Hole	8,900.00	7,023.56	897.86	813.63	10.659	ES
Smits 16-1216 - Original Hole - Original Hole	9,200.00	7,023.16	949.95	853.63	9.862	SF
Smits PM K 16-11 - Original Hole - Original Hole						Out of range
Tigger K17-02 - Original Hole - Original Hole						Out of range
Weber K 16-22 - Original Hole - Original Hole						Out of range
Weber PM K 16-10 - Original Hole - Original Hole						Out of range
Weber-PM K 16-06 - Original Hole - Original Hole	7,737.08	7,059.00	564.77	406.66	3.572	CC, ES, SF

Offset Design												Kawata Pad - 30C-17-M - Original Hole - Plan #1		Offset Site Error:		0.00 usft	
Survey Program: 0-MWD														Offset Well Error:		3.28 usft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
0.00	0.00	0.00	0.00	3.28	3.28	0.50	159.92	1.39	159.92								
100.00	100.00	100.00	100.00	3.28	3.28	0.50	159.92	1.39	159.92	153.36	6.56	24.366					
200.00	200.00	200.00	200.00	3.30	3.30	0.50	159.92	1.39	159.92	153.32	6.60	24.218					
300.00	300.00	300.00	300.00	3.34	3.34	0.50	159.92	1.39	159.92	153.23	6.69	23.908					
400.00	400.00	400.00	400.00	3.41	3.41	0.50	159.92	1.39	159.92	153.10	6.82	23.457					
500.00	500.00	500.00	500.00	3.49	3.49	0.50	159.92	1.39	159.92	152.93	6.99	22.886					
600.00	600.00	600.00	600.00	3.60	3.60	0.50	159.92	1.39	159.92	152.73	7.20	22.224					
700.00	700.00	700.00	700.00	3.72	3.72	0.50	159.92	1.39	159.92	152.48	7.44	21.498					
800.00	800.00	800.00	800.00	3.86	3.86	0.50	159.92	1.39	159.92	152.21	7.71	20.732					

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Kawata Pad - 30C-17-M - Original Hole - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
900.00	900.00	900.00	900.00	4.01	4.01	0.50	159.92	1.39	159.92	151.90	8.02	19.948		
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.50	159.92	1.39	159.92	151.58	8.35	19.163		
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.50	159.92	1.39	159.92	151.23	8.70	18.390		
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.50	159.92	1.39	159.92	150.85	9.07	17.638		
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.50	159.92	1.39	159.92	150.47	9.45	16.914		
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.50	159.92	1.39	159.92	150.06	9.86	16.221		
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.50	159.92	1.39	159.92	149.65	10.28	15.563		
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.50	159.92	1.39	159.92	149.22	10.71	14.939		
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.50	159.92	1.39	159.92	148.78	11.15	14.349		
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.50	159.92	1.39	159.92	148.33	11.59	13.793		
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.50	159.92	1.39	159.92	147.87	12.05	13.269 CC, ES		
2,000.00	1,999.98	1,994.74	1,994.73	6.23	6.25	173.75	161.44	1.05	163.27	150.79	12.47	13.090 SF		
2,100.00	2,099.84	2,088.86	2,088.72	6.41	6.47	173.55	165.98	0.01	173.27	160.41	12.87	13.466		
2,200.00	2,199.45	2,181.73	2,181.27	6.60	6.69	173.26	173.41	-1.68	189.87	176.61	13.26	14.318		
2,300.00	2,298.70	2,272.78	2,271.73	6.80	6.92	172.93	183.53	-3.98	212.94	199.29	13.65	15.598		
2,400.00	2,397.47	2,365.51	2,363.53	7.03	7.16	172.59	196.24	-6.88	241.87	227.80	14.07	17.196		
2,500.00	2,495.62	2,460.06	2,457.11	7.29	7.42	172.38	209.48	-9.89	274.39	259.88	14.51	18.913		
2,600.00	2,593.06	2,553.44	2,549.52	7.60	7.69	172.27	222.55	-12.87	310.15	295.20	14.96	20.733		
2,700.00	2,689.78	2,645.73	2,640.85	7.96	7.97	172.29	235.47	-15.81	348.67	333.25	15.42	22.612		
2,800.00	2,786.41	2,737.87	2,732.04	8.36	8.26	172.35	248.37	-18.75	387.52	371.64	15.88	24.406		
2,900.00	2,883.04	2,830.02	2,823.23	8.80	8.55	172.40	261.27	-21.69	426.37	410.02	16.35	26.081		
3,000.00	2,979.66	2,922.16	2,914.42	9.26	8.85	172.45	274.17	-24.63	465.22	448.39	16.83	27.646		
3,100.00	3,076.29	3,014.30	3,005.61	9.74	9.16	172.48	287.07	-27.56	504.07	486.75	17.32	29.108		
3,200.00	3,172.92	3,106.45	3,096.80	10.24	9.48	172.51	299.97	-30.50	542.92	525.11	17.81	30.476		
3,300.00	3,269.55	3,198.59	3,187.99	10.76	9.80	172.54	312.86	-33.44	581.77	563.45	18.32	31.755		
3,400.00	3,366.18	3,290.74	3,279.18	11.30	10.12	172.56	325.76	-36.38	620.63	601.79	18.83	32.953		
3,500.00	3,462.81	3,382.88	3,370.37	11.85	10.45	172.58	338.66	-39.32	659.48	640.12	19.35	34.075		
3,600.00	3,559.44	3,475.02	3,461.55	12.40	10.79	172.60	351.56	-42.25	698.33	678.45	19.88	35.128		
3,700.00	3,656.07	3,567.17	3,552.74	12.97	11.12	172.62	364.46	-45.19	737.18	716.77	20.41	36.117		
3,800.00	3,752.70	3,659.31	3,643.93	13.55	11.47	172.63	377.36	-48.13	776.03	755.08	20.95	37.046		
3,900.00	3,849.33	3,751.45	3,735.12	14.14	11.81	172.65	390.26	-51.07	814.88	793.39	21.49	37.921		
4,000.00	3,945.96	3,843.60	3,826.31	14.73	12.16	172.66	403.16	-54.01	853.74	831.70	22.04	38.744		
4,100.00	4,042.59	3,935.74	3,917.50	15.32	12.51	172.67	416.06	-56.94	892.59	870.00	22.59	39.520		
4,200.00	4,139.21	4,027.89	4,008.69	15.93	12.86	172.68	428.96	-59.88	931.44	908.30	23.14	40.253		
4,300.00	4,235.84	4,120.03	4,099.88	16.53	13.21	172.69	441.86	-62.82	970.29	946.59	23.70	40.945		

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	0.60	79.78	0.84	79.78				
100.00	100.00	100.00	100.00	3.28	3.28	0.60	79.78	0.84	79.78	73.22	6.56	12.156	
200.00	200.00	200.00	200.00	3.30	3.30	0.60	79.78	0.84	79.78	73.18	6.60	12.081	
300.00	300.00	300.00	300.00	3.34	3.34	0.60	79.78	0.84	79.78	73.09	6.69	11.927	
400.00	400.00	400.00	400.00	3.41	3.41	0.60	79.78	0.84	79.78	72.96	6.82	11.702	
500.00	500.00	500.00	500.00	3.49	3.49	0.60	79.78	0.84	79.78	72.79	6.99	11.417	
600.00	600.00	600.00	600.00	3.60	3.60	0.60	79.78	0.84	79.78	72.58	7.20	11.087	
700.00	700.00	700.00	700.00	3.72	3.72	0.60	79.78	0.84	79.78	72.34	7.44	10.725	
800.00	800.00	800.00	800.00	3.86	3.86	0.60	79.78	0.84	79.78	72.07	7.71	10.343	
900.00	900.00	900.00	900.00	4.01	4.01	0.60	79.78	0.84	79.78	71.76	8.02	9.952	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.60	79.78	0.84	79.78	71.43	8.35	9.560	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.60	79.78	0.84	79.78	71.08	8.70	9.174	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.60	79.78	0.84	79.78	70.71	9.07	8.799	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.60	79.78	0.84	79.78	70.32	9.45	8.438	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.60	79.78	0.84	79.78	69.92	9.86	8.092	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.60	79.78	0.84	79.78	69.50	10.28	7.764	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.60	79.78	0.84	79.78	69.07	10.71	7.452	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.60	79.78	0.84	79.78	68.63	11.15	7.158	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.60	79.78	0.84	79.78	68.19	11.59	6.881	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.60	79.78	0.84	79.78	67.73	12.05	6.620 CC, ES	
2,000.00	1,999.98	1,999.98	1,999.98	6.23	6.26	174.05	79.78	0.84	81.52	69.03	12.49	6.528 SF	
2,100.00	2,099.84	2,099.84	2,099.84	6.41	6.49	174.40	79.78	0.84	86.72	73.82	12.90	6.721	
2,200.00	2,199.45	2,199.45	2,199.45	6.60	6.73	174.89	79.78	0.84	95.40	82.07	13.33	7.157	
2,300.00	2,298.70	2,298.70	2,298.70	6.80	6.97	175.45	79.78	0.84	107.54	93.78	13.77	7.812	
2,400.00	2,397.47	2,397.47	2,397.47	7.03	7.21	176.01	79.78	0.84	123.14	108.93	14.21	8.665	
2,500.00	2,495.62	2,495.62	2,495.62	7.29	7.45	176.52	79.78	0.84	142.19	127.52	14.67	9.695	
2,600.00	2,593.06	2,593.06	2,593.06	7.60	7.70	176.97	79.78	0.84	164.64	149.52	15.13	10.882	
2,700.00	2,689.78	2,689.78	2,689.78	7.96	7.94	177.36	79.78	0.84	190.00	174.40	15.60	12.179	
2,800.00	2,786.41	2,786.41	2,786.41	8.36	8.18	177.68	79.78	0.84	215.73	199.65	16.07	13.421	
2,900.00	2,883.04	2,883.04	2,883.04	8.80	8.42	177.92	79.78	0.84	241.45	224.90	16.56	14.584	
3,000.00	2,979.66	2,979.66	2,979.66	9.26	8.67	178.12	79.78	0.84	267.19	250.14	17.05	15.673	
3,100.00	3,076.29	3,084.10	3,084.09	9.74	8.91	178.20	78.70	0.23	291.90	274.35	17.55	16.636	
3,200.00	3,172.92	3,192.15	3,192.01	10.24	9.13	177.96	74.16	-2.33	313.37	295.35	18.02	17.391	
3,300.00	3,269.55	3,292.56	3,292.14	10.76	9.33	177.58	67.68	-5.98	332.54	314.05	18.49	17.985	
3,400.00	3,366.18	3,390.70	3,390.00	11.30	9.54	177.23	61.27	-9.59	351.65	332.68	18.97	18.538	
3,500.00	3,462.81	3,488.84	3,487.86	11.85	9.75	176.93	54.86	-13.21	370.76	351.31	19.46	19.054	
3,600.00	3,559.44	3,586.97	3,585.72	12.40	9.96	176.65	48.45	-16.82	389.89	369.93	19.96	19.538	
3,700.00	3,656.07	3,685.11	3,683.59	12.97	10.19	176.40	42.04	-20.43	409.02	388.56	20.46	19.990	
3,800.00	3,752.70	3,783.25	3,781.45	13.55	10.41	176.18	35.63	-24.05	428.16	407.19	20.97	20.413	
3,900.00	3,849.33	3,881.39	3,879.31	14.14	10.65	175.97	29.22	-27.66	447.31	425.81	21.50	20.810	
4,000.00	3,945.96	3,979.52	3,977.17	14.73	10.88	175.78	22.81	-31.27	466.46	444.44	22.02	21.181	
4,100.00	4,042.59	4,077.66	4,075.03	15.32	11.13	175.60	16.40	-34.89	485.62	463.06	22.56	21.530	
4,200.00	4,139.21	4,175.80	4,172.89	15.93	11.37	175.44	9.99	-38.50	504.78	481.68	23.09	21.858	
4,300.00	4,235.84	4,273.94	4,270.75	16.53	11.62	175.29	3.58	-42.11	523.94	500.30	23.64	22.165	
4,400.00	4,332.47	4,372.07	4,368.61	17.15	11.88	175.15	-2.83	-45.73	543.11	518.92	24.19	22.454	
4,500.00	4,429.10	4,470.21	4,466.48	17.76	12.13	175.02	-9.24	-49.34	562.28	537.54	24.74	22.726	
4,600.00	4,525.73	4,568.35	4,564.34	18.38	12.39	174.90	-15.65	-52.95	581.45	556.15	25.30	22.983	
4,700.00	4,622.36	4,666.49	4,662.20	19.00	12.66	174.78	-22.06	-56.57	600.63	574.76	25.86	23.224	
4,800.00	4,718.99	4,764.62	4,760.06	19.62	12.92	174.67	-28.47	-60.18	619.80	593.38	26.43	23.452	
4,900.00	4,815.62	4,862.76	4,857.92	20.25	13.19	174.57	-34.88	-63.79	638.98	611.98	27.00	23.668	
5,000.00	4,912.25	4,960.90	4,955.78	20.88	13.46	174.48	-41.29	-67.41	658.16	630.59	27.57	23.871	
5,100.00	5,008.88	5,059.04	5,053.64	21.51	13.73	174.39	-47.70	-71.02	677.35	649.20	28.15	24.064	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - 31C-17-M - Original Hole - Plan #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,105.51	5,157.17	5,151.51	22.14	14.01	174.31	-54.11	-74.63	696.53	667.80	28.73	24.246	
5,300.00	5,202.14	5,255.31	5,249.37	22.78	14.29	174.23	-60.52	-78.25	715.72	686.41	29.31	24.419	
5,400.00	5,298.76	5,353.45	5,347.23	23.41	14.57	174.15	-66.93	-81.86	734.90	705.01	29.89	24.583	
5,500.00	5,395.39	5,451.59	5,445.09	24.05	14.85	174.08	-73.34	-85.47	754.09	723.61	30.48	24.738	
5,600.00	5,492.02	5,549.72	5,542.95	24.69	15.13	174.01	-79.75	-89.09	773.28	742.21	31.07	24.886	
5,700.00	5,588.65	5,647.86	5,640.81	25.33	15.41	173.94	-86.16	-92.70	792.47	760.80	31.67	25.027	
5,800.00	5,685.28	5,746.00	5,738.67	25.97	15.70	173.88	-92.57	-96.31	811.66	779.40	32.26	25.160	
5,900.00	5,781.91	5,844.14	5,836.53	26.61	15.99	173.82	-98.98	-99.93	830.85	798.00	32.86	25.287	
6,000.00	5,878.54	5,942.27	5,934.40	27.26	16.28	173.77	-105.39	-103.54	850.04	816.59	33.45	25.409	
6,100.00	5,975.17	6,040.41	6,032.26	27.90	16.57	173.71	-111.80	-107.15	869.24	835.18	34.06	25.524	
6,200.00	6,071.80	6,138.55	6,130.12	28.54	16.86	173.66	-118.21	-110.77	888.43	853.77	34.66	25.635	
6,300.00	6,168.43	6,236.69	6,227.98	29.19	17.15	173.61	-124.62	-114.38	907.63	872.37	35.26	25.740	
6,400.00	6,265.06	6,334.82	6,325.84	29.84	17.44	173.56	-131.03	-117.99	926.82	890.96	35.87	25.841	
6,500.00	6,361.68	6,432.96	6,423.70	30.48	17.74	173.52	-137.44	-121.61	946.02	909.54	36.47	25.937	
6,600.00	6,458.31	6,531.10	6,521.56	31.13	18.03	173.48	-143.85	-125.22	965.21	928.13	37.08	26.029	
6,700.00	6,554.68	6,629.12	6,619.31	31.74	18.33	149.84	-150.25	-128.83	984.31	946.64	37.68	26.126	

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWMD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	0.48	99.82	0.84	99.82				
100.00	100.00	100.00	100.00	3.28	3.28	0.48	99.82	0.84	99.82	93.26	6.56	15.209	
200.00	200.00	200.00	200.00	3.30	3.30	0.48	99.82	0.84	99.82	93.22	6.60	15.117	
300.00	300.00	300.00	300.00	3.34	3.34	0.48	99.82	0.84	99.82	93.13	6.69	14.924	
400.00	400.00	400.00	400.00	3.41	3.41	0.48	99.82	0.84	99.82	93.01	6.82	14.642	
500.00	500.00	500.00	500.00	3.49	3.49	0.48	99.82	0.84	99.82	92.84	6.99	14.285	
600.00	600.00	600.00	600.00	3.60	3.60	0.48	99.82	0.84	99.82	92.63	7.20	13.872	
700.00	700.00	700.00	700.00	3.72	3.72	0.48	99.82	0.84	99.82	92.38	7.44	13.419	
800.00	800.00	800.00	800.00	3.86	3.86	0.48	99.82	0.84	99.82	92.11	7.71	12.941	
900.00	900.00	900.00	900.00	4.01	4.01	0.48	99.82	0.84	99.82	91.81	8.02	12.452	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.48	99.82	0.84	99.82	91.48	8.35	11.962	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.48	99.82	0.84	99.82	91.13	8.70	11.479	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.48	99.82	0.84	99.82	90.76	9.07	11.010	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.48	99.82	0.84	99.82	90.37	9.45	10.558	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.48	99.82	0.84	99.82	89.96	9.86	10.125	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.48	99.82	0.84	99.82	89.55	10.28	9.714	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.48	99.82	0.84	99.82	89.12	10.71	9.325	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.48	99.82	0.84	99.82	88.68	11.15	8.957	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.48	99.82	0.84	99.82	88.23	11.59	8.610	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.48	99.82	0.84	99.82	87.77	12.05	8.283 CC, ES	
2,000.00	1,999.98	1,999.98	1,999.98	6.23	6.26	173.90	99.82	0.84	101.56	89.07	12.49	8.133 SF	
2,100.00	2,099.84	2,099.84	2,099.84	6.41	6.49	174.19	99.82	0.84	106.76	93.86	12.90	8.274	
2,200.00	2,199.45	2,199.45	2,199.45	6.60	6.73	174.61	99.82	0.84	115.44	102.11	13.33	8.660	
2,300.00	2,298.70	2,298.70	2,298.70	6.80	6.97	175.11	99.82	0.84	127.58	113.81	13.77	9.267	
2,400.00	2,397.47	2,397.47	2,397.47	7.03	7.21	175.62	99.82	0.84	143.17	128.96	14.21	10.074	
2,500.00	2,495.62	2,495.62	2,495.62	7.29	7.45	176.10	99.82	0.84	162.20	147.53	14.67	11.059	
2,600.00	2,593.06	2,593.06	2,593.06	7.60	7.70	176.55	99.82	0.84	184.65	169.52	15.13	12.205	
2,700.00	2,689.78	2,689.78	2,689.78	7.96	7.94	176.96	99.82	0.84	210.00	194.40	15.60	13.461	
2,800.00	2,786.41	2,786.41	2,786.41	8.36	8.18	177.29	99.82	0.84	235.72	219.64	16.07	14.664	
2,900.00	2,883.04	2,883.04	2,883.04	8.80	8.42	177.55	99.82	0.84	261.44	244.88	16.56	15.790	
3,000.00	2,979.66	2,979.66	2,979.66	9.26	8.67	177.77	99.82	0.84	287.16	270.11	17.05	16.844	
3,100.00	3,076.29	3,076.29	3,076.29	9.74	8.92	177.96	99.82	0.84	312.89	295.34	17.55	17.831	
3,200.00	3,172.92	3,172.92	3,172.92	10.24	9.16	178.11	99.82	0.84	338.62	320.57	18.05	18.757	
3,300.00	3,269.55	3,269.55	3,269.55	10.76	9.41	178.25	99.82	0.84	364.35	345.79	18.57	19.624	
3,400.00	3,366.18	3,366.18	3,366.18	11.30	9.66	178.36	99.82	0.84	390.09	371.00	19.09	20.439	
3,500.00	3,462.81	3,462.81	3,462.81	11.85	9.91	178.46	99.82	0.84	415.82	396.21	19.61	21.204	
3,600.00	3,559.44	3,559.44	3,559.44	12.40	10.16	178.55	99.82	0.84	441.56	421.42	20.14	21.924	
3,700.00	3,656.07	3,656.07	3,656.07	12.97	10.42	178.63	99.82	0.84	467.30	446.62	20.68	22.602	
3,800.00	3,752.70	3,752.70	3,752.70	13.55	10.67	178.70	99.82	0.84	493.04	471.82	21.21	23.241	
3,900.00	3,849.33	3,849.33	3,849.33	14.14	10.92	178.77	99.82	0.84	518.78	497.02	21.76	23.844	
4,000.00	3,945.96	3,945.96	3,945.96	14.73	11.18	178.83	99.82	0.84	544.52	522.21	22.30	24.413	
4,100.00	4,042.59	4,042.59	4,042.59	15.32	11.43	178.88	99.82	0.84	570.26	547.40	22.85	24.952	
4,200.00	4,139.21	4,139.21	4,139.21	15.93	11.69	178.93	99.82	0.84	596.00	572.59	23.41	25.461	
4,300.00	4,235.84	4,235.84	4,235.84	16.53	11.94	178.97	99.82	0.84	621.74	597.77	23.96	25.944	
4,400.00	4,332.47	4,332.47	4,332.47	17.15	12.20	179.01	99.82	0.84	647.48	622.96	24.52	26.402	
4,500.00	4,429.10	4,429.10	4,429.10	17.76	12.45	179.05	99.82	0.84	673.22	648.14	25.09	26.837	
4,600.00	4,525.73	4,525.73	4,525.73	18.38	12.71	179.09	99.82	0.84	698.96	673.31	25.65	27.250	
4,700.00	4,622.36	4,622.36	4,622.36	19.00	12.97	179.12	99.82	0.84	724.71	698.49	26.22	27.644	
4,800.00	4,718.99	4,718.99	4,718.99	19.62	13.22	179.15	99.82	0.84	750.45	723.66	26.78	28.018	
4,900.00	4,815.62	4,815.62	4,815.62	20.25	13.48	179.18	99.82	0.84	776.19	748.84	27.36	28.374	
5,000.00	4,912.25	4,912.25	4,912.25	20.88	13.74	179.20	99.82	0.84	801.93	774.01	27.93	28.715	
5,100.00	5,008.88	5,009.45	5,009.45	21.51	14.00	179.23	99.82	0.82	827.67	799.17	28.50	29.038	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Kawata Pad - 31N-17A-M - Original Hole - Plan #1		Offset Site Error:		0.00 usft
Survey Program: 0-MWD													Offset Well Error:		3.28 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
5,200.00	5,105.51	5,112.52	5,112.49	22.14	14.25	179.10	99.58	-1.36	852.98	823.89	29.09	29.320					
5,300.00	5,202.14	5,215.73	5,215.53	22.78	14.50	178.74	98.94	-7.23	877.59	847.91	29.67	29.577					
5,400.00	5,298.76	5,318.41	5,317.76	23.41	14.74	178.17	97.91	-16.73	901.53	871.28	30.26	29.796					
5,500.00	5,395.39	5,415.09	5,413.86	24.05	14.99	177.56	96.77	-27.17	925.27	894.45	30.83	30.015					
5,600.00	5,492.02	5,511.77	5,509.97	24.69	15.23	176.98	95.63	-37.62	949.11	917.71	31.40	30.223					
5,700.00	5,588.65	5,608.45	5,606.08	25.33	15.48	176.44	94.50	-48.07	973.03	941.04	31.99	30.418					
5,800.00	5,685.28	5,705.13	5,702.19	25.97	15.74	175.91	93.36	-58.51	997.03	964.45	32.58	30.601					



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.53	60.11	0.56	60.11				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	60.11	0.56	60.11	53.55	6.56	9.159	
200.00	200.00	200.00	200.00	3.30	3.30	0.53	60.11	0.56	60.11	53.51	6.60	9.103	
300.00	300.00	300.00	300.00	3.34	3.34	0.53	60.11	0.56	60.11	53.42	6.69	8.987	
400.00	400.00	400.00	400.00	3.41	3.41	0.53	60.11	0.56	60.11	53.29	6.82	8.817	
500.00	500.00	500.00	500.00	3.49	3.49	0.53	60.11	0.56	60.11	53.12	6.99	8.602	
600.00	600.00	600.00	600.00	3.60	3.60	0.53	60.11	0.56	60.11	52.91	7.20	8.354	
700.00	700.00	700.00	700.00	3.72	3.72	0.53	60.11	0.56	60.11	52.67	7.44	8.081	
800.00	800.00	800.00	800.00	3.86	3.86	0.53	60.11	0.56	60.11	52.40	7.71	7.793	
900.00	900.00	900.00	900.00	4.01	4.01	0.53	60.11	0.56	60.11	52.09	8.02	7.498	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.53	60.11	0.56	60.11	51.77	8.35	7.203	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.53	60.11	0.56	60.11	51.41	8.70	6.912	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.53	60.11	0.56	60.11	51.04	9.07	6.630	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.53	60.11	0.56	60.11	50.66	9.45	6.358	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.53	60.11	0.56	60.11	50.25	9.86	6.097	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.53	60.11	0.56	60.11	49.83	10.28	5.850	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.53	60.11	0.56	60.11	49.41	10.71	5.615	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.53	60.11	0.56	60.11	48.97	11.15	5.393	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.53	60.11	0.56	60.11	48.52	11.59	5.184	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.53	60.11	0.56	60.11	48.06	12.05	4.988 CC	
2,000.00	1,999.98	2,002.06	2,002.04	6.23	6.23	173.58	58.36	0.06	60.13	47.67	12.46	4.827	
2,100.00	2,099.84	2,104.12	2,103.95	6.41	6.42	172.75	53.12	-1.43	60.19	47.38	12.81	4.699	
2,200.00	2,199.45	2,206.08	2,205.50	6.60	6.61	171.38	44.40	-3.90	60.32	47.16	13.17	4.582 ES	
2,300.00	2,298.70	2,306.04	2,304.91	6.80	6.81	170.10	34.28	-6.78	62.38	48.83	13.56	4.602	
2,400.00	2,397.47	2,405.88	2,404.19	7.03	7.03	169.46	24.18	-9.65	67.90	53.93	13.96	4.862	
2,500.00	2,495.62	2,505.48	2,503.23	7.29	7.26	169.39	14.10	-12.51	76.84	62.45	14.39	5.341	
2,600.00	2,593.06	2,604.70	2,601.91	7.60	7.50	169.74	4.06	-15.36	89.19	74.36	14.83	6.016	
2,700.00	2,689.78	2,703.53	2,700.18	7.96	7.75	170.30	-5.94	-18.20	104.46	89.18	15.28	6.836	
2,800.00	2,786.41	2,802.29	2,798.40	8.36	8.01	170.76	-15.93	-21.04	120.09	104.35	15.74	7.628	
2,900.00	2,883.04	2,901.06	2,896.62	8.80	8.28	171.12	-25.92	-23.87	135.73	119.51	16.22	8.368	
3,000.00	2,979.66	2,999.82	2,994.84	9.26	8.55	171.40	-35.92	-26.71	151.37	134.66	16.71	9.060	
3,100.00	3,076.29	3,098.59	3,093.06	9.74	8.84	171.63	-45.91	-29.55	167.02	149.81	17.21	9.707	
3,200.00	3,172.92	3,197.36	3,191.28	10.24	9.12	171.82	-55.90	-32.39	182.67	164.95	17.72	10.311	
3,300.00	3,269.55	3,296.12	3,289.50	10.76	9.42	171.98	-65.90	-35.23	198.32	180.08	18.23	10.877	
3,400.00	3,366.18	3,394.89	3,387.71	11.30	9.72	172.12	-75.89	-38.06	213.97	195.21	18.76	11.406	
3,500.00	3,462.81	3,493.66	3,485.93	11.85	10.02	172.24	-85.88	-40.90	229.62	210.33	19.29	11.902	
3,600.00	3,559.44	3,592.42	3,584.15	12.40	10.33	172.34	-95.88	-43.74	245.27	225.44	19.83	12.367	
3,700.00	3,656.07	3,691.19	3,682.37	12.97	10.64	172.43	-105.87	-46.58	260.93	240.55	20.38	12.803	
3,800.00	3,752.70	3,789.96	3,780.59	13.55	10.95	172.51	-115.86	-49.41	276.58	255.65	20.93	13.213	
3,900.00	3,849.33	3,888.72	3,878.81	14.14	11.27	172.58	-125.85	-52.25	292.24	270.74	21.49	13.598	
4,000.00	3,945.96	3,987.49	3,977.03	14.73	11.59	172.65	-135.85	-55.09	307.89	285.84	22.05	13.960	
4,100.00	4,042.59	4,086.25	4,075.24	15.32	11.92	172.71	-145.84	-57.93	323.55	300.92	22.62	14.302	
4,200.00	4,139.21	4,185.02	4,173.46	15.93	12.24	172.76	-155.83	-60.77	339.20	316.01	23.19	14.624	
4,300.00	4,235.84	4,283.79	4,271.68	16.53	12.57	172.81	-165.83	-63.60	354.86	331.09	23.77	14.928	
4,400.00	4,332.47	4,382.55	4,369.90	17.15	12.90	172.85	-175.82	-66.44	370.51	346.16	24.35	15.215	
4,500.00	4,429.10	4,481.32	4,468.12	17.76	13.24	172.89	-185.81	-69.28	386.17	361.24	24.93	15.487	
4,600.00	4,525.73	4,580.09	4,566.34	18.38	13.57	172.93	-195.81	-72.12	401.83	376.31	25.52	15.745	
4,700.00	4,622.36	4,678.85	4,664.56	19.00	13.91	172.96	-205.80	-74.96	417.48	391.37	26.11	15.989	
4,800.00	4,718.99	4,777.62	4,762.77	19.62	14.25	173.00	-215.79	-77.79	433.14	406.44	26.70	16.221	
4,900.00	4,815.62	4,876.39	4,860.99	20.25	14.59	173.03	-225.79	-80.63	448.80	421.50	27.30	16.441	
5,000.00	4,912.25	4,975.15	4,959.21	20.88	14.93	173.05	-235.78	-83.47	464.45	436.56	27.90	16.650	
5,100.00	5,008.88	5,073.92	5,057.43	21.51	15.27	173.08	-245.77	-86.31	480.11	451.62	28.50	16.849	

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



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,105.51	5,172.69	5,155.65	22.14	15.61	173.10	-255.77	-89.15	495.77	466.67	29.10	17.038		
5,300.00	5,202.14	5,271.45	5,253.87	22.78	15.96	173.13	-265.76	-91.98	511.43	481.73	29.70	17.219		
5,400.00	5,298.76	5,370.22	5,352.09	23.41	16.30	173.15	-275.75	-94.82	527.08	496.78	30.31	17.392		
5,500.00	5,395.39	5,468.98	5,450.30	24.05	16.65	173.17	-285.75	-97.66	542.74	511.83	30.91	17.556		
5,600.00	5,492.02	5,567.75	5,548.52	24.69	17.00	173.19	-295.74	-100.50	558.40	526.88	31.52	17.714		
5,700.00	5,588.65	5,666.52	5,646.74	25.33	17.35	173.21	-305.73	-103.34	574.06	541.92	32.13	17.864		
5,800.00	5,685.28	5,765.28	5,744.96	25.97	17.70	173.22	-315.73	-106.17	589.71	556.97	32.75	18.008		
5,900.00	5,781.91	5,864.05	5,843.18	26.61	18.05	173.24	-325.72	-109.01	605.37	572.01	33.36	18.146		
6,000.00	5,878.54	5,962.82	5,941.40	27.26	18.40	173.25	-335.71	-111.85	621.03	587.05	33.98	18.279		
6,100.00	5,975.17	6,061.58	6,039.62	27.90	18.75	173.27	-345.71	-114.69	636.69	602.10	34.59	18.406		
6,200.00	6,071.80	6,160.35	6,137.83	28.54	19.10	173.28	-355.70	-117.53	652.35	617.14	35.21	18.528		
6,300.00	6,168.43	6,259.12	6,236.05	29.19	19.45	173.30	-365.69	-120.36	668.00	632.18	35.83	18.645		
6,400.00	6,265.06	6,357.88	6,334.27	29.84	19.81	173.31	-375.69	-123.20	683.66	647.21	36.45	18.757		
6,500.00	6,361.68	6,456.65	6,432.49	30.48	20.16	173.32	-385.68	-126.04	699.32	662.25	37.07	18.865		
6,600.00	6,458.31	6,555.42	6,530.71	31.13	20.51	173.33	-395.67	-128.88	714.98	677.29	37.69	18.970		
6,700.00	6,554.68	6,653.24	6,627.85	31.74	20.86	149.88	-405.52	-134.19	730.57	692.27	38.30	19.074		
6,800.00	6,648.90	6,750.77	6,722.99	32.34	21.24	128.81	-414.92	-152.98	745.81	706.84	38.97	19.138		
6,900.00	6,738.66	6,848.90	6,814.73	32.95	21.67	116.83	-423.74	-186.39	760.33	720.58	39.75	19.127		
7,000.00	6,821.75	6,947.73	6,900.90	33.59	22.17	109.59	-431.74	-233.93	773.80	733.07	40.73	18.998		
7,100.00	6,896.12	7,047.37	6,979.32	34.26	22.79	104.91	-438.73	-294.82	785.88	743.84	42.04	18.694		
7,200.00	6,959.94	7,147.85	7,047.90	34.99	23.58	101.76	-444.50	-367.89	796.26	752.41	43.85	18.158		
7,300.00	7,011.63	7,249.17	7,104.63	35.81	24.64	99.64	-448.89	-451.60	804.71	758.37	46.33	17.368		
7,400.00	7,049.93	7,351.28	7,147.73	36.74	26.05	98.28	-451.73	-544.00	810.99	761.40	49.59	16.355		
7,500.00	7,073.89	7,454.06	7,175.74	37.83	27.85	97.55	-452.92	-642.77	814.95	761.36	53.60	15.205		
7,600.00	7,082.93	7,557.38	7,187.62	39.09	29.99	97.37	-452.40	-745.29	816.49	758.26	58.23	14.021		
7,700.00	7,083.00	7,658.15	7,188.00	40.56	32.33	97.39	-450.73	-846.04	816.53	753.34	63.19	12.923		
7,800.00	7,083.00	7,758.15	7,188.00	42.28	34.85	97.39	-449.04	-946.02	816.54	748.14	68.41	11.937		
7,900.00	7,083.00	7,858.15	7,188.00	44.24	37.52	97.39	-447.35	-1,046.01	816.56	742.67	73.89	11.051		
8,000.00	7,083.00	7,958.15	7,188.00	46.41	40.32	97.39	-445.66	-1,145.99	816.58	736.99	79.58	10.261		
8,100.00	7,083.00	8,058.15	7,188.00	48.75	43.21	97.39	-443.96	-1,245.98	816.59	731.15	85.44	9.557		
8,200.00	7,083.00	8,158.15	7,188.00	51.26	46.19	97.39	-442.27	-1,345.96	816.61	725.17	91.44	8.931		
8,300.00	7,083.00	8,258.15	7,188.00	53.89	49.23	97.39	-440.58	-1,445.95	816.62	719.08	97.54	8.372		
8,400.00	7,083.00	8,358.15	7,188.00	56.63	52.32	97.39	-438.89	-1,545.94	816.64	712.90	103.74	7.872		
8,500.00	7,083.00	8,458.15	7,188.00	59.45	55.45	97.39	-437.20	-1,645.92	816.66	706.65	110.01	7.423		
8,600.00	7,083.00	8,558.15	7,188.00	62.35	58.62	97.39	-435.50	-1,745.91	816.67	700.33	116.34	7.019		
8,700.00	7,083.00	8,658.15	7,188.00	65.32	61.82	97.39	-433.81	-1,845.89	816.69	693.96	122.73	6.654		
8,800.00	7,083.00	8,758.15	7,188.00	68.33	65.04	97.39	-432.12	-1,945.88	816.70	687.54	129.16	6.323		
8,900.00	7,083.00	8,858.15	7,188.00	71.39	68.29	97.39	-430.43	-2,045.86	816.72	681.08	135.64	6.021		
9,000.00	7,083.00	8,958.15	7,188.00	74.49	71.56	97.39	-428.73	-2,145.85	816.73	674.59	142.14	5.746		
9,100.00	7,083.00	9,058.15	7,188.00	77.63	74.84	97.39	-427.04	-2,245.84	816.75	668.07	148.68	5.493		
9,200.00	7,083.00	9,158.15	7,188.00	80.79	78.14	97.39	-425.35	-2,345.82	816.77	661.53	155.24	5.261		
9,300.00	7,083.00	9,258.15	7,188.00	83.97	81.44	97.39	-423.66	-2,445.81	816.78	654.96	161.82	5.047		
9,400.00	7,083.00	9,358.15	7,188.00	87.18	84.76	97.39	-421.96	-2,545.79	816.80	648.38	168.42	4.850		
9,500.00	7,083.00	9,458.15	7,188.00	90.41	88.09	97.39	-420.27	-2,645.78	816.81	641.77	175.04	4.666		
9,600.00	7,083.00	9,558.15	7,188.00	93.65	91.43	97.39	-418.58	-2,745.76	816.83	635.15	181.68	4.496		
9,700.00	7,083.00	9,658.15	7,188.00	96.91	94.78	97.39	-416.89	-2,845.75	816.85	628.52	188.33	4.337		
9,800.00	7,083.00	9,758.15	7,188.00	100.18	98.13	97.39	-415.20	-2,945.74	816.86	621.87	194.99	4.189		
9,900.00	7,083.00	9,858.15	7,188.00	103.46	101.49	97.39	-413.50	-3,045.72	816.88	615.21	201.66	4.051		
10,000.00	7,083.00	9,958.15	7,188.00	106.76	104.85	97.38	-411.81	-3,145.71	816.89	608.55	208.35	3.921		
10,100.00	7,083.00	10,058.15	7,188.00	110.06	108.22	97.38	-410.12	-3,245.69	816.91	601.87	215.04	3.799		
10,200.00	7,083.00	10,158.15	7,188.00	113.37	111.59	97.38	-408.43	-3,345.68	816.92	595.18	221.74	3.684		
10,300.00	7,083.00	10,258.15	7,188.00	116.70	114.97	97.38	-406.73	-3,445.66	816.94	588.49	228.45	3.576		

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - 31N-17C-M - Original Hole - Plan #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,083.00	10,358.15	7,188.00	120.02	118.35	97.38	-405.04	-3,545.65	816.96	581.79	235.17	3.474	
10,500.00	7,083.00	10,458.15	7,188.00	123.36	121.74	97.38	-403.35	-3,645.63	816.97	575.08	241.89	3.377	
10,600.00	7,083.00	10,558.15	7,188.00	126.70	125.12	97.38	-401.66	-3,745.62	816.99	568.37	248.62	3.286	
10,700.00	7,083.00	10,658.15	7,188.00	130.05	128.52	97.38	-399.97	-3,845.61	817.00	561.65	255.35	3.200	
10,800.00	7,083.00	10,758.15	7,188.00	133.40	131.91	97.38	-398.27	-3,945.59	817.02	554.93	262.09	3.117	
10,900.00	7,083.00	10,858.15	7,188.00	136.76	135.31	97.38	-396.58	-4,045.58	817.04	548.20	268.83	3.039	
11,000.00	7,083.00	10,958.15	7,188.00	140.12	138.71	97.38	-394.89	-4,145.56	817.05	541.47	275.58	2.965	
11,100.00	7,083.00	11,058.15	7,188.00	143.48	142.11	97.38	-393.20	-4,245.55	817.07	534.73	282.33	2.894	
11,200.00	7,083.00	11,158.15	7,188.00	146.85	145.51	97.38	-391.50	-4,345.53	817.08	527.99	289.09	2.826	
11,300.00	7,083.00	11,258.15	7,188.00	150.22	148.91	97.38	-389.81	-4,445.52	817.10	521.25	295.85	2.762	
11,400.00	7,083.00	11,358.15	7,188.00	153.60	152.32	97.38	-388.12	-4,545.51	817.11	514.50	302.61	2.700	
11,500.00	7,083.00	11,458.15	7,188.00	156.98	155.73	97.38	-386.43	-4,645.49	817.13	507.75	309.38	2.641	
11,600.00	7,083.00	11,558.15	7,188.00	160.36	159.14	97.38	-384.73	-4,745.48	817.15	501.00	316.15	2.585	
11,700.00	7,083.00	11,658.15	7,188.00	163.74	162.55	97.38	-383.04	-4,845.46	817.16	494.25	322.92	2.531	
11,800.00	7,083.00	11,758.15	7,188.00	167.13	165.96	97.38	-381.35	-4,945.45	817.18	487.49	329.69	2.479	
11,900.00	7,083.00	11,858.15	7,188.00	170.52	169.38	97.38	-379.66	-5,045.43	817.19	480.73	336.47	2.429	
12,000.00	7,083.00	11,958.15	7,188.00	173.91	172.79	97.38	-377.97	-5,145.42	817.21	473.97	343.24	2.381	
12,100.00	7,083.00	12,058.15	7,188.00	177.31	176.21	97.38	-376.27	-5,245.41	817.23	467.20	350.02	2.335	
12,200.00	7,083.00	12,158.15	7,188.00	180.70	179.62	97.38	-374.58	-5,345.39	817.24	460.44	356.81	2.290	
12,300.00	7,083.00	12,258.15	7,188.00	184.10	183.04	97.38	-372.89	-5,445.38	817.26	453.67	363.59	2.248	
12,400.00	7,083.00	12,358.15	7,188.00	187.50	186.46	97.38	-371.20	-5,545.36	817.27	446.90	370.38	2.207	
12,500.00	7,083.00	12,458.15	7,188.00	190.90	189.88	97.38	-369.50	-5,645.35	817.29	440.13	377.16	2.167	
12,600.00	7,083.00	12,558.15	7,188.00	194.30	193.30	97.38	-367.81	-5,745.33	817.30	433.35	383.95	2.129	
12,700.00	7,083.00	12,658.15	7,188.00	197.70	196.72	97.38	-366.12	-5,845.32	817.32	426.58	390.74	2.092	
12,800.00	7,083.00	12,758.15	7,188.00	201.11	200.14	97.38	-364.43	-5,945.31	817.34	419.80	397.53	2.056	
12,900.00	7,083.00	12,858.15	7,188.00	204.51	203.57	97.38	-362.73	-6,045.29	817.35	413.03	404.33	2.022	
13,000.00	7,083.00	12,958.15	7,188.00	207.92	206.99	97.38	-361.04	-6,145.28	817.37	406.25	411.12	1.988	
13,100.00	7,083.00	13,058.15	7,188.00	211.33	210.41	97.38	-359.35	-6,245.26	817.38	399.47	417.92	1.956	
13,200.00	7,083.00	13,158.15	7,188.00	214.74	213.84	97.38	-357.66	-6,345.25	817.40	392.69	424.71	1.925	
13,300.00	7,083.00	13,258.15	7,188.00	218.15	217.26	97.38	-355.97	-6,445.23	817.42	385.90	431.51	1.894	
13,400.00	7,083.00	13,358.15	7,188.00	221.56	220.69	97.38	-354.27	-6,545.22	817.43	379.12	438.31	1.865	
13,500.00	7,083.00	13,458.15	7,188.00	224.97	224.12	97.38	-352.58	-6,645.21	817.45	372.34	445.11	1.837	
13,600.00	7,083.00	13,558.15	7,188.00	228.39	227.54	97.38	-350.89	-6,745.19	817.46	365.55	451.91	1.809	
13,700.00	7,083.00	13,658.15	7,188.00	231.80	230.97	97.38	-349.20	-6,845.18	817.48	358.77	458.71	1.782	
13,800.00	7,083.00	13,758.15	7,188.00	235.22	234.40	97.38	-347.50	-6,945.16	817.50	351.98	465.52	1.756	
13,900.00	7,083.00	13,858.15	7,188.00	238.64	237.83	97.38	-345.81	-7,045.15	817.51	345.19	472.32	1.731	
14,000.00	7,083.00	13,958.15	7,188.00	242.05	241.26	97.38	-344.12	-7,145.13	817.53	338.40	479.12	1.706	
14,100.00	7,083.00	14,058.15	7,188.00	245.47	244.69	97.38	-342.43	-7,245.12	817.54	331.61	485.93	1.682	
14,200.00	7,083.00	14,158.15	7,188.00	248.89	248.11	97.38	-340.74	-7,345.11	817.56	324.82	492.73	1.659	
14,300.00	7,083.00	14,258.15	7,188.00	252.31	251.54	97.38	-339.04	-7,445.09	817.57	318.03	499.54	1.637	
14,400.00	7,083.00	14,358.15	7,188.00	255.73	254.97	97.38	-337.35	-7,545.08	817.59	311.24	506.35	1.615	
14,500.00	7,083.00	14,458.15	7,188.00	259.15	258.41	97.38	-335.66	-7,645.06	817.61	304.45	513.16	1.593	
14,547.50	7,083.00	14,505.64	7,188.00	260.77	260.04	97.38	-334.85	-7,692.55	817.61	301.22	516.39	1.583 SF	

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	180.00	-20.03	0.00	20.03				
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-20.03	0.00	20.03	13.47	6.56	3.052	
200.00	200.00	200.00	200.00	3.30	3.30	180.00	-20.03	0.00	20.03	13.43	6.60	3.034	
300.00	300.00	300.00	300.00	3.34	3.34	180.00	-20.03	0.00	20.03	13.34	6.69	2.995	
400.00	400.00	400.00	400.00	3.41	3.41	180.00	-20.03	0.00	20.03	13.21	6.82	2.938	
500.00	500.00	500.00	500.00	3.49	3.49	180.00	-20.03	0.00	20.03	13.04	6.99	2.867	
600.00	600.00	600.00	600.00	3.60	3.60	180.00	-20.03	0.00	20.03	12.84	7.20	2.784	
700.00	700.00	700.00	700.00	3.72	3.72	180.00	-20.03	0.00	20.03	12.59	7.44	2.693	
800.00	800.00	800.00	800.00	3.86	3.86	180.00	-20.03	0.00	20.03	12.32	7.71	2.597	
900.00	900.00	900.00	900.00	4.01	4.01	180.00	-20.03	0.00	20.03	12.02	8.02	2.499	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	180.00	-20.03	0.00	20.03	11.69	8.35	2.400	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	180.00	-20.03	0.00	20.03	11.34	8.70	2.304	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	180.00	-20.03	0.00	20.03	10.97	9.07	2.209	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	180.00	-20.03	0.00	20.03	10.58	9.45	2.119	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	180.00	-20.03	0.00	20.03	10.17	9.86	2.032	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	180.00	-20.03	0.00	20.03	9.76	10.28	1.949	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	180.00	-20.03	0.00	20.03	9.33	10.71	1.871	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	180.00	-20.03	0.00	20.03	8.89	11.15	1.797	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	180.00	-20.03	0.00	20.03	8.44	11.59	1.728 CC	
1,900.00	1,900.00	1,899.27	1,899.25	6.03	6.00	-179.51	-21.74	-0.18	21.76	9.74	12.02	1.810	
2,000.00	1,999.98	1,998.40	1,998.24	6.23	6.17	-5.45	-26.86	-0.74	25.19	12.81	12.39	2.034	
2,100.00	2,099.84	2,097.42	2,096.88	6.41	6.36	-4.95	-35.37	-1.66	28.60	15.88	12.72	2.248	
2,200.00	2,199.45	2,196.32	2,195.05	6.60	6.55	-4.62	-47.24	-2.94	31.98	18.91	13.07	2.447	
2,300.00	2,298.70	2,295.10	2,292.64	6.80	6.78	-4.40	-62.46	-4.59	35.32	21.91	13.41	2.633	
2,400.00	2,397.47	2,393.78	2,389.54	7.03	7.04	-4.27	-80.99	-6.59	38.62	24.86	13.76	2.807	
2,500.00	2,495.62	2,492.34	2,485.62	7.29	7.35	-4.20	-102.80	-8.95	41.87	27.76	14.11	2.967	
2,600.00	2,593.06	2,590.84	2,580.84	7.60	7.71	-4.19	-127.87	-11.66	45.07	30.60	14.47	3.114	
2,700.00	2,689.78	2,690.83	2,677.06	7.96	8.12	-4.31	-154.87	-14.58	46.92	31.98	14.94	3.140	
2,800.00	2,786.41	2,790.81	2,773.29	8.36	8.57	-4.47	-181.87	-17.50	48.40	32.97	15.43	3.136	
2,900.00	2,883.04	2,890.80	2,869.52	8.80	9.05	-4.61	-208.87	-20.42	49.88	33.94	15.94	3.129	
3,000.00	2,979.66	2,990.79	2,965.75	9.26	9.56	-4.75	-235.87	-23.34	51.37	34.90	16.47	3.119	
3,100.00	3,076.29	3,090.78	3,061.98	9.74	10.09	-4.87	-262.87	-26.26	52.85	35.84	17.01	3.107	
3,200.00	3,172.92	3,190.77	3,158.21	10.24	10.63	-5.00	-289.87	-29.18	54.33	36.77	17.56	3.094	
3,300.00	3,269.55	3,290.76	3,254.44	10.76	11.20	-5.11	-316.87	-32.11	55.81	37.69	18.13	3.079	
3,400.00	3,366.18	3,390.75	3,350.67	11.30	11.77	-5.22	-343.87	-35.03	57.30	38.59	18.71	3.063	
3,500.00	3,462.81	3,490.74	3,446.90	11.85	12.36	-5.32	-370.87	-37.95	58.78	39.49	19.29	3.047	
3,600.00	3,559.44	3,590.73	3,543.13	12.40	12.96	-5.42	-397.87	-40.87	60.26	40.37	19.89	3.030	
3,700.00	3,656.07	3,690.72	3,639.36	12.97	13.57	-5.51	-424.87	-43.79	61.75	41.25	20.50	3.013	
3,800.00	3,752.70	3,790.70	3,735.59	13.55	14.19	-5.60	-451.87	-46.71	63.23	42.12	21.11	2.995	
3,900.00	3,849.33	3,890.69	3,831.82	14.14	14.81	-5.69	-478.87	-49.63	64.71	42.98	21.73	2.978	
4,000.00	3,945.96	3,990.68	3,928.05	14.73	15.44	-5.77	-505.88	-52.55	66.20	43.84	22.36	2.961	
4,100.00	4,042.59	4,090.67	4,024.28	15.32	16.07	-5.84	-532.88	-55.47	67.68	44.69	22.99	2.943	
4,200.00	4,139.21	4,190.66	4,120.51	15.93	16.71	-5.92	-559.88	-58.39	69.17	45.53	23.63	2.926	
4,300.00	4,235.84	4,290.65	4,216.74	16.53	17.35	-5.99	-586.88	-61.31	70.65	46.37	24.28	2.910	
4,400.00	4,332.47	4,390.64	4,312.97	17.15	18.00	-6.06	-613.88	-64.23	72.13	47.20	24.93	2.893	
4,500.00	4,429.10	4,490.63	4,409.20	17.76	18.65	-6.12	-640.88	-67.15	73.62	48.03	25.59	2.877	
4,600.00	4,525.73	4,590.62	4,505.43	18.38	19.30	-6.19	-667.88	-70.07	75.10	48.86	26.24	2.862	
4,700.00	4,622.36	4,690.60	4,601.66	19.00	19.96	-6.25	-694.88	-72.99	76.59	49.68	26.91	2.846	
4,800.00	4,718.99	4,790.59	4,697.89	19.62	20.62	-6.30	-721.88	-75.91	78.07	50.50	27.57	2.831	
4,900.00	4,815.62	4,890.58	4,794.12	20.25	21.28	-6.36	-748.88	-78.83	79.56	51.31	28.25	2.817	
5,000.00	4,912.25	4,990.57	4,890.35	20.88	21.94	-6.41	-775.88	-81.75	81.04	52.12	28.92	2.802	
5,100.00	5,008.88	5,090.56	4,986.58	21.51	22.60	-6.47	-802.88	-84.67	82.53	52.93	29.59	2.789	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,105.51	5,190.55	5,082.81	22.14	23.27	-6.52	-829.88	-87.59	84.01	53.74	30.27	2.775	
5,300.00	5,202.14	5,290.54	5,179.04	22.78	23.94	-6.56	-856.88	-90.51	85.50	54.54	30.96	2.762	
5,400.00	5,298.76	5,390.53	5,275.27	23.41	24.60	-6.61	-883.88	-93.43	86.98	55.34	31.64	2.749	
5,500.00	5,395.39	5,490.52	5,371.50	24.05	25.27	-6.66	-910.88	-96.35	88.47	56.14	32.33	2.737	
5,600.00	5,492.02	5,590.51	5,467.73	24.69	25.94	-6.70	-937.88	-99.27	89.95	56.94	33.02	2.725	
5,700.00	5,588.65	5,690.49	5,563.96	25.33	26.62	-6.74	-964.88	-102.19	91.44	57.73	33.71	2.713	
5,800.00	5,685.28	5,790.48	5,660.19	25.97	27.29	-6.78	-991.89	-105.11	92.92	58.52	34.40	2.701	
5,900.00	5,781.91	5,890.47	5,756.42	26.61	27.96	-6.82	-1,018.89	-108.03	94.41	59.31	35.09	2.690	
6,000.00	5,878.54	5,990.46	5,852.65	27.26	28.64	-6.86	-1,045.89	-110.95	95.89	60.10	35.79	2.679	
6,100.00	5,975.17	6,090.45	5,948.88	27.90	29.31	-6.90	-1,072.89	-113.87	97.38	60.89	36.49	2.669	
6,200.00	6,071.80	6,190.44	6,045.11	28.54	29.99	-6.93	-1,099.89	-116.79	98.86	61.68	37.19	2.659	
6,300.00	6,168.43	6,290.43	6,141.34	29.19	30.67	-6.97	-1,126.89	-119.71	100.35	62.46	37.89	2.649	
6,400.00	6,265.06	6,390.42	6,237.57	29.84	31.35	-7.00	-1,153.89	-122.63	101.84	63.24	38.59	2.639	
6,500.00	6,361.68	6,490.41	6,333.80	30.48	32.02	-7.04	-1,180.89	-125.55	103.32	64.03	39.29	2.629	
6,600.00	6,458.31	6,590.40	6,430.04	31.13	32.70	-7.07	-1,207.89	-128.47	104.81	64.81	40.00	2.620	
6,700.00	6,554.68	6,690.21	6,526.10	31.74	33.38	-31.84	-1,234.84	-131.39	106.49	65.42	41.07	2.593	
6,800.00	6,648.90	6,789.54	6,621.65	32.34	34.04	-60.90	-1,261.65	-135.26	110.74	66.34	44.40	2.494	
6,900.00	6,738.66	6,892.84	6,719.65	32.95	34.69	-81.47	-1,289.14	-152.26	119.08	69.80	49.29	2.416	
7,000.00	6,821.75	7,000.10	6,817.20	33.59	35.37	-95.68	-1,316.50	-187.07	130.19	76.78	53.41	2.437	
7,100.00	6,896.12	7,111.53	6,911.10	34.26	36.10	-105.69	-1,342.83	-240.68	142.67	86.99	55.68	2.562	
7,200.00	6,959.94	7,227.16	6,997.49	34.99	36.90	-112.72	-1,367.03	-313.38	155.18	99.31	55.88	2.777	
7,300.00	7,011.63	7,346.80	7,072.04	35.81	37.79	-117.54	-1,387.91	-404.36	166.59	112.26	54.33	3.066	
7,400.00	7,049.93	7,469.96	7,130.30	36.74	38.82	-120.61	-1,404.22	-511.42	175.96	124.20	51.75	3.400	
7,500.00	7,073.89	7,595.82	7,168.23	37.83	40.05	-122.22	-1,414.81	-630.75	182.58	133.49	49.09	3.720	
7,600.00	7,082.93	7,723.27	7,182.88	39.09	41.51	-122.53	-1,418.86	-757.07	186.00	138.58	47.42	3.923	
7,700.00	7,083.00	7,826.01	7,183.00	40.56	42.90	-122.25	-1,418.85	-859.81	187.40	136.09	51.30	3.653	
7,800.00	7,083.00	7,925.99	7,183.00	42.28	44.49	-121.99	-1,418.81	-959.79	188.78	132.79	55.99	3.372	
7,900.00	7,083.00	8,025.98	7,183.00	44.24	46.31	-121.73	-1,418.77	-1,059.78	190.17	129.23	60.94	3.121	
8,000.00	7,083.00	8,125.97	7,183.00	46.41	48.33	-121.47	-1,418.72	-1,159.77	191.56	125.47	66.09	2.898	
8,100.00	7,083.00	8,225.95	7,183.00	48.75	50.54	-121.22	-1,418.68	-1,259.75	192.95	121.53	71.42	2.702	
8,200.00	7,083.00	8,325.94	7,183.00	51.26	52.92	-120.97	-1,418.64	-1,359.74	194.35	117.47	76.88	2.528	
8,300.00	7,083.00	8,425.93	7,183.00	53.89	55.44	-120.72	-1,418.59	-1,459.73	195.75	113.28	82.47	2.374	
8,400.00	7,083.00	8,525.91	7,183.00	56.63	58.07	-120.48	-1,418.55	-1,559.71	197.16	109.01	88.15	2.237	
8,500.00	7,083.00	8,625.90	7,183.00	59.45	60.81	-120.24	-1,418.51	-1,659.70	198.57	104.65	93.92	2.114	
8,600.00	7,083.00	8,725.89	7,183.00	62.35	63.63	-120.01	-1,418.46	-1,759.69	199.98	100.21	99.76	2.005	
8,700.00	7,083.00	8,825.87	7,183.00	65.32	66.52	-119.77	-1,418.42	-1,859.67	201.40	95.72	105.67	1.906	
8,800.00	7,083.00	8,925.86	7,183.00	68.33	69.47	-119.55	-1,418.38	-1,959.66	202.81	91.18	111.64	1.817	
8,900.00	7,083.00	9,025.85	7,183.00	71.39	72.47	-119.32	-1,418.33	-2,059.65	204.24	86.58	117.66	1.736	
9,000.00	7,083.00	9,125.83	7,183.00	74.49	75.51	-119.10	-1,418.29	-2,159.63	205.66	81.94	123.72	1.662	
9,100.00	7,083.00	9,225.82	7,183.00	77.63	78.59	-118.88	-1,418.25	-2,259.62	207.09	77.26	129.83	1.595	
9,200.00	7,083.00	9,325.81	7,183.00	80.79	81.71	-118.66	-1,418.20	-2,359.61	208.52	72.55	135.97	1.534	
9,300.00	7,083.00	9,425.79	7,183.00	83.97	84.85	-118.45	-1,418.16	-2,459.59	209.96	67.80	142.15	1.477 Level 3	
9,400.00	7,083.00	9,525.78	7,183.00	87.18	88.02	-118.24	-1,418.12	-2,559.58	211.39	63.03	148.37	1.425 Level 3	
9,500.00	7,083.00	9,625.77	7,183.00	90.41	91.21	-118.03	-1,418.07	-2,659.57	212.83	58.22	154.61	1.377 Level 3	
9,600.00	7,083.00	9,725.75	7,183.00	93.65	94.42	-117.82	-1,418.03	-2,759.55	214.28	53.39	160.88	1.332 Level 3	
9,700.00	7,083.00	9,825.74	7,183.00	96.91	97.65	-117.62	-1,417.99	-2,859.54	215.72	48.54	167.18	1.290 Level 3	
9,800.00	7,083.00	9,925.73	7,183.00	100.18	100.89	-117.42	-1,417.94	-2,959.53	217.17	43.66	173.51	1.252 Level 3	
9,900.00	7,083.00	10,025.71	7,183.00	103.46	104.15	-117.22	-1,417.90	-3,059.51	218.62	38.77	179.85	1.216 Level 2	
10,000.00	7,083.00	10,125.70	7,183.00	106.76	107.42	-117.03	-1,417.86	-3,159.50	220.07	33.85	186.22	1.182 Level 2	
10,100.00	7,083.00	10,225.69	7,183.00	110.06	110.70	-116.84	-1,417.81	-3,259.49	221.53	28.92	192.61	1.150 Level 2	
10,200.00	7,083.00	10,325.67	7,183.00	113.37	113.99	-116.65	-1,417.77	-3,359.47	222.99	23.97	199.02	1.120 Level 2	
10,300.00	7,083.00	10,425.66	7,183.00	116.70	117.29	-116.46	-1,417.73	-3,459.46	224.45	19.00	205.45	1.092 Level 2	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	7,083.00	10,525.65	7,183.00	120.02	120.60	-116.28	-1,417.68	-3,559.45	225.91	14.01	211.90	1.066	Level 2
10,500.00	7,083.00	10,625.63	7,183.00	123.36	123.92	-116.09	-1,417.64	-3,659.43	227.38	9.02	218.36	1.041	Level 2
10,600.00	7,083.00	10,725.62	7,183.00	126.70	127.24	-115.91	-1,417.60	-3,759.42	228.85	4.00	224.84	1.018	Level 2
10,700.00	7,083.00	10,825.61	7,183.00	130.05	130.57	-115.74	-1,417.55	-3,859.41	230.32	-1.02	231.34	0.996	Level 1
10,800.00	7,083.00	10,925.59	7,183.00	133.40	133.90	-115.56	-1,417.51	-3,959.39	231.79	-6.06	237.85	0.975	Level 1
10,900.00	7,083.00	11,025.58	7,183.00	136.76	137.24	-115.39	-1,417.47	-4,059.38	233.26	-11.11	244.37	0.955	Level 1
11,000.00	7,083.00	11,125.57	7,183.00	140.12	140.59	-115.22	-1,417.42	-4,159.37	234.74	-16.17	250.91	0.936	Level 1
11,100.00	7,083.00	11,225.55	7,183.00	143.48	143.94	-115.05	-1,417.38	-4,259.35	236.22	-21.24	257.46	0.917	Level 1
11,200.00	7,083.00	11,325.54	7,183.00	146.85	147.29	-114.88	-1,417.34	-4,359.34	237.70	-26.33	264.02	0.900	Level 1
11,300.00	7,083.00	11,425.53	7,183.00	150.22	150.65	-114.72	-1,417.29	-4,459.33	239.18	-31.42	270.60	0.884	Level 1
11,400.00	7,083.00	11,525.51	7,183.00	153.60	154.01	-114.55	-1,417.25	-4,559.31	240.66	-36.52	277.19	0.868	Level 1
11,500.00	7,083.00	11,625.50	7,183.00	156.98	157.38	-114.39	-1,417.20	-4,659.30	242.15	-41.63	283.78	0.853	Level 1
11,600.00	7,083.00	11,725.49	7,183.00	160.36	160.75	-114.24	-1,417.16	-4,759.29	243.64	-46.75	290.39	0.839	Level 1
11,700.00	7,083.00	11,825.47	7,183.00	163.74	164.12	-114.08	-1,417.12	-4,859.27	245.13	-51.88	297.01	0.825	Level 1
11,800.00	7,083.00	11,925.46	7,183.00	167.13	167.50	-113.92	-1,417.07	-4,959.26	246.62	-57.02	303.64	0.812	Level 1
11,900.00	7,083.00	12,025.45	7,183.00	170.52	170.87	-113.77	-1,417.03	-5,059.25	248.11	-62.16	310.28	0.800	Level 1
12,000.00	7,083.00	12,125.43	7,183.00	173.91	174.25	-113.62	-1,416.99	-5,159.23	249.61	-67.32	316.93	0.788	Level 1
12,100.00	7,083.00	12,225.42	7,183.00	177.31	177.63	-113.47	-1,416.94	-5,259.22	251.11	-72.48	323.58	0.776	Level 1
12,200.00	7,083.00	12,325.41	7,183.00	180.70	181.02	-113.32	-1,416.90	-5,359.21	252.61	-77.64	330.25	0.765	Level 1
12,300.00	7,083.00	12,425.39	7,183.00	184.10	184.41	-113.18	-1,416.86	-5,459.19	254.11	-82.81	336.92	0.754	Level 1
12,400.00	7,083.00	12,525.38	7,183.00	187.50	187.79	-113.03	-1,416.81	-5,559.18	255.61	-87.99	343.60	0.744	Level 1
12,500.00	7,083.00	12,625.37	7,183.00	190.90	191.18	-112.89	-1,416.77	-5,659.17	257.11	-93.18	350.29	0.734	Level 1
12,600.00	7,083.00	12,725.35	7,183.00	194.30	194.58	-112.75	-1,416.73	-5,759.15	258.62	-98.37	356.99	0.724	Level 1
12,700.00	7,083.00	12,825.34	7,183.00	197.70	197.97	-112.61	-1,416.68	-5,859.14	260.12	-103.57	363.69	0.715	Level 1
12,800.00	7,083.00	12,925.33	7,183.00	201.11	201.37	-112.47	-1,416.64	-5,959.13	261.63	-108.77	370.40	0.706	Level 1
12,900.00	7,083.00	13,025.31	7,183.00	204.51	204.76	-112.34	-1,416.60	-6,059.11	263.14	-113.98	377.12	0.698	Level 1
13,000.00	7,083.00	13,125.30	7,183.00	207.92	208.16	-112.20	-1,416.55	-6,159.10	264.65	-119.19	383.84	0.689	Level 1
13,100.00	7,083.00	13,225.29	7,183.00	211.33	211.56	-112.07	-1,416.51	-6,259.09	266.16	-124.41	390.57	0.681	Level 1
13,200.00	7,083.00	13,325.27	7,183.00	214.74	214.96	-111.94	-1,416.47	-6,359.07	267.68	-129.63	397.31	0.674	Level 1
13,300.00	7,083.00	13,425.26	7,183.00	218.15	218.36	-111.81	-1,416.42	-6,459.06	269.19	-134.86	404.05	0.666	Level 1
13,400.00	7,083.00	13,525.25	7,183.00	221.56	221.77	-111.68	-1,416.38	-6,559.05	270.71	-140.09	410.80	0.659	Level 1
13,500.00	7,083.00	13,625.23	7,183.00	224.97	225.17	-111.55	-1,416.34	-6,659.03	272.23	-145.32	417.55	0.652	Level 1
13,600.00	7,083.00	13,725.22	7,183.00	228.39	228.58	-111.43	-1,416.29	-6,759.02	273.75	-150.56	424.31	0.645	Level 1
13,700.00	7,083.00	13,825.21	7,183.00	231.80	231.98	-111.30	-1,416.25	-6,859.01	275.27	-155.81	431.08	0.639	Level 1
13,800.00	7,083.00	13,925.19	7,183.00	235.22	235.39	-111.18	-1,416.21	-6,958.99	276.79	-161.05	437.85	0.632	Level 1
13,900.00	7,083.00	14,025.18	7,183.00	238.64	238.80	-111.06	-1,416.16	-7,058.98	278.32	-166.31	444.62	0.626	Level 1
14,000.00	7,083.00	14,125.17	7,183.00	242.05	242.21	-110.94	-1,416.12	-7,158.97	279.84	-171.56	451.40	0.620	Level 1
14,100.00	7,083.00	14,225.15	7,183.00	245.47	245.62	-110.82	-1,416.08	-7,258.95	281.37	-176.82	458.18	0.614	Level 1
14,200.00	7,083.00	14,325.14	7,183.00	248.89	249.03	-110.70	-1,416.03	-7,358.94	282.89	-182.08	464.97	0.608	Level 1
14,300.00	7,083.00	14,425.13	7,183.00	252.31	252.44	-110.59	-1,415.99	-7,458.93	284.42	-187.34	471.76	0.603	Level 1
14,400.00	7,083.00	14,525.11	7,183.00	255.73	255.85	-110.47	-1,415.95	-7,558.91	285.95	-192.61	478.56	0.598	Level 1
14,500.00	7,083.00	14,625.10	7,183.00	259.15	259.27	-110.36	-1,415.90	-7,658.90	287.48	-197.88	485.36	0.592	Level 1
14,547.50	7,083.00	14,666.14	7,183.00	260.77	260.67	-110.31	-1,415.89	-7,699.94	288.28	-200.80	489.08	0.589	Level 1, ES, SF

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	0.46	139.89	1.12	139.89				
100.00	100.00	100.00	100.00	3.28	3.28	0.46	139.89	1.12	139.89	133.33	6.56	21.314	
200.00	200.00	200.00	200.00	3.30	3.30	0.46	139.89	1.12	139.89	133.29	6.60	21.185	
300.00	300.00	300.00	300.00	3.34	3.34	0.46	139.89	1.12	139.89	133.20	6.69	20.914	
400.00	400.00	400.00	400.00	3.41	3.41	0.46	139.89	1.12	139.89	133.07	6.82	20.519	
500.00	500.00	500.00	500.00	3.49	3.49	0.46	139.89	1.12	139.89	132.90	6.99	20.020	
600.00	600.00	600.00	600.00	3.60	3.60	0.46	139.89	1.12	139.89	132.70	7.20	19.441	
700.00	700.00	700.00	700.00	3.72	3.72	0.46	139.89	1.12	139.89	132.45	7.44	18.805	
800.00	800.00	800.00	800.00	3.86	3.86	0.46	139.89	1.12	139.89	132.18	7.71	18.136	
900.00	900.00	900.00	900.00	4.01	4.01	0.46	139.89	1.12	139.89	131.88	8.02	17.450	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.46	139.89	1.12	139.89	131.55	8.35	16.763	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.46	139.89	1.12	139.89	131.20	8.70	16.087	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.46	139.89	1.12	139.89	130.83	9.07	15.429	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.46	139.89	1.12	139.89	130.44	9.45	14.796	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.46	139.89	1.12	139.89	130.03	9.86	14.190	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.46	139.89	1.12	139.89	129.62	10.28	13.614	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.46	139.89	1.12	139.89	129.19	10.71	13.068	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.46	139.89	1.12	139.89	128.75	11.15	12.552	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.46	139.89	1.12	139.89	128.30	11.59	12.065	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.46	139.89	1.12	139.89	127.84	12.05	11.607 CC, ES	
2,000.00	1,999.98	1,995.53	1,995.51	6.23	6.25	173.62	141.38	0.56	143.19	130.71	12.47	11.479 SF	
2,100.00	2,099.84	2,090.43	2,090.29	6.41	6.47	173.18	145.82	-1.07	153.05	140.18	12.87	11.892	
2,200.00	2,199.45	2,185.23	2,184.76	6.60	6.70	172.55	153.12	-3.77	169.36	156.09	13.27	12.759	
2,300.00	2,298.70	2,283.05	2,282.18	6.80	6.94	172.05	161.57	-6.89	190.02	176.31	13.71	13.863	
2,400.00	2,397.47	2,380.12	2,378.83	7.03	7.19	171.75	169.95	-9.98	214.05	199.90	14.15	15.129	
2,500.00	2,495.62	2,476.29	2,474.59	7.29	7.44	171.62	178.25	-13.04	241.42	226.82	14.60	16.538	
2,600.00	2,593.06	2,571.47	2,569.36	7.60	7.69	171.59	186.47	-16.07	272.09	257.04	15.06	18.071	
2,700.00	2,689.78	2,665.69	2,663.19	7.96	7.95	171.69	194.60	-19.07	305.56	290.04	15.52	19.683	
2,800.00	2,786.41	2,759.80	2,756.90	8.36	8.21	171.81	202.73	-22.07	339.38	323.39	15.99	21.223	
2,900.00	2,883.04	2,853.91	2,850.61	8.80	8.48	171.91	210.85	-25.07	373.19	356.72	16.47	22.660	
3,000.00	2,979.66	2,948.01	2,944.31	9.26	8.75	171.99	218.98	-28.07	407.01	390.05	16.96	24.003	
3,100.00	3,076.29	3,042.12	3,038.02	9.74	9.02	172.06	227.10	-31.07	440.83	423.37	17.45	25.258	
3,200.00	3,172.92	3,136.23	3,131.73	10.24	9.29	172.13	235.23	-34.06	474.65	456.69	17.96	26.432	
3,300.00	3,269.55	3,230.34	3,225.44	10.76	9.57	172.18	243.35	-37.06	508.46	490.00	18.47	27.531	
3,400.00	3,366.18	3,324.44	3,319.15	11.30	9.85	172.23	251.48	-40.06	542.28	523.30	18.99	28.560	
3,500.00	3,462.81	3,418.55	3,412.85	11.85	10.14	172.27	259.60	-43.06	576.10	556.59	19.51	29.525	
3,600.00	3,559.44	3,512.66	3,506.56	12.40	10.43	172.30	267.72	-46.05	609.92	589.88	20.04	30.431	
3,700.00	3,656.07	3,606.76	3,600.27	12.97	10.71	172.33	275.85	-49.05	643.74	623.16	20.58	31.282	
3,800.00	3,752.70	3,700.87	3,693.98	13.55	11.00	172.36	283.97	-52.05	677.56	656.44	21.12	32.082	
3,900.00	3,849.33	3,794.98	3,787.68	14.14	11.30	172.39	292.10	-55.05	711.38	689.72	21.66	32.836	
4,000.00	3,945.96	3,889.08	3,881.39	14.73	11.59	172.41	300.22	-58.05	745.20	722.99	22.21	33.546	
4,100.00	4,042.59	3,983.19	3,975.10	15.32	11.88	172.44	308.35	-61.04	779.02	756.25	22.77	34.216	
4,200.00	4,139.21	4,077.30	4,068.81	15.93	12.18	172.46	316.47	-64.04	812.84	789.52	23.32	34.849	
4,300.00	4,235.84	4,171.41	4,162.51	16.53	12.48	172.48	324.60	-67.04	846.66	822.78	23.89	35.447	
4,400.00	4,332.47	4,265.51	4,256.22	17.15	12.78	172.49	332.72	-70.04	880.48	856.03	24.45	36.014	
4,500.00	4,429.10	4,359.62	4,349.93	17.76	13.08	172.51	340.85	-73.04	914.30	889.29	25.01	36.550	
4,600.00	4,525.73	4,453.73	4,443.64	18.38	13.38	172.52	348.97	-76.03	948.12	922.54	25.58	37.059	
4,700.00	4,622.36	4,547.83	4,537.35	19.00	13.68	172.54	357.09	-79.03	981.94	955.79	26.16	37.542	

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



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	0.53	119.85	1.12	119.86				
100.00	100.00	100.00	100.00	3.28	3.28	0.53	119.85	1.12	119.86	113.29	6.56	18.262	
200.00	200.00	200.00	200.00	3.30	3.30	0.53	119.85	1.12	119.86	113.25	6.60	18.151	
300.00	300.00	300.00	300.00	3.34	3.34	0.53	119.85	1.12	119.86	113.17	6.69	17.919	
400.00	400.00	400.00	400.00	3.41	3.41	0.53	119.85	1.12	119.86	113.04	6.82	17.580	
500.00	500.00	500.00	500.00	3.49	3.49	0.53	119.85	1.12	119.86	112.87	6.99	17.152	
600.00	600.00	600.00	600.00	3.60	3.60	0.53	119.85	1.12	119.86	112.66	7.20	16.656	
700.00	700.00	700.00	700.00	3.72	3.72	0.53	119.85	1.12	119.86	112.42	7.44	16.112	
800.00	800.00	800.00	800.00	3.86	3.86	0.53	119.85	1.12	119.86	112.14	7.71	15.538	
900.00	900.00	900.00	900.00	4.01	4.01	0.53	119.85	1.12	119.86	111.84	8.02	14.951	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.53	119.85	1.12	119.86	111.51	8.35	14.362	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.53	119.85	1.12	119.86	111.16	8.70	13.783	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.53	119.85	1.12	119.86	110.79	9.07	13.219	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.53	119.85	1.12	119.86	110.40	9.45	12.677	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.53	119.85	1.12	119.86	110.00	9.86	12.158	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.53	119.85	1.12	119.86	109.58	10.28	11.664	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.53	119.85	1.12	119.86	109.15	10.71	11.196	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.53	119.85	1.12	119.86	108.71	11.15	10.754	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.53	119.85	1.12	119.86	108.26	11.59	10.337	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.53	119.85	1.12	119.86	107.80	12.05	9.945 CC, ES	
2,000.00	1,999.98	1,996.59	1,996.57	6.23	6.25	173.49	121.19	0.19	122.97	110.50	12.48	9.857 SF	
2,100.00	2,099.84	2,094.15	2,094.02	6.41	6.48	172.57	125.01	-2.44	132.08	119.20	12.88	10.254	
2,200.00	2,199.45	2,193.28	2,193.01	6.60	6.71	171.81	129.34	-5.43	145.11	131.81	13.30	10.907	
2,300.00	2,298.70	2,291.90	2,291.50	6.80	6.95	171.35	133.64	-8.40	161.57	147.84	13.74	11.761	
2,400.00	2,397.47	2,389.91	2,389.36	7.03	7.19	171.13	137.92	-11.35	181.43	167.25	14.18	12.795	
2,500.00	2,495.62	2,487.17	2,486.48	7.29	7.43	171.08	142.16	-14.28	204.66	190.03	14.63	13.987	
2,600.00	2,593.06	2,583.56	2,582.75	7.60	7.68	171.16	146.37	-17.18	231.23	216.14	15.09	15.319	
2,700.00	2,689.78	2,679.14	2,678.19	7.96	7.92	171.35	150.54	-20.06	260.63	245.07	15.56	16.745	
2,800.00	2,786.41	2,774.61	2,773.52	8.36	8.17	171.54	154.70	-22.94	290.38	274.35	16.04	18.108	
2,900.00	2,883.04	2,870.07	2,868.85	8.80	8.42	171.70	158.87	-25.81	320.14	303.62	16.52	19.381	
3,000.00	2,979.66	2,965.54	2,964.19	9.26	8.67	171.83	163.04	-28.69	349.89	332.88	17.01	20.570	
3,100.00	3,076.29	3,061.01	3,059.52	9.74	8.92	171.94	167.20	-31.56	379.65	362.14	17.51	21.682	
3,200.00	3,172.92	3,156.48	3,154.85	10.24	9.18	172.04	171.37	-34.44	409.41	391.39	18.02	22.722	
3,300.00	3,269.55	3,251.94	3,250.19	10.76	9.43	172.12	175.53	-37.31	439.17	420.63	18.53	23.696	
3,400.00	3,366.18	3,347.41	3,345.52	11.30	9.69	172.19	179.70	-40.19	468.93	449.87	19.05	24.609	
3,500.00	3,462.81	3,442.88	3,440.85	11.85	9.95	172.26	183.87	-43.06	498.69	479.10	19.58	25.466	
3,600.00	3,559.44	3,538.35	3,536.18	12.40	10.21	172.31	188.03	-45.94	528.45	508.33	20.12	26.270	
3,700.00	3,656.07	3,633.81	3,631.52	12.97	10.47	172.36	192.20	-48.81	558.21	537.56	20.66	27.025	
3,800.00	3,752.70	3,729.28	3,726.85	13.55	10.74	172.41	196.37	-51.69	587.97	566.77	21.20	27.736	
3,900.00	3,849.33	3,824.75	3,822.18	14.14	11.00	172.45	200.53	-54.56	617.73	595.99	21.75	28.406	
4,000.00	3,945.96	3,920.22	3,917.52	14.73	11.27	172.48	204.70	-57.44	647.50	625.20	22.30	29.038	
4,100.00	4,042.59	4,015.68	4,012.85	15.32	11.54	172.52	208.86	-60.31	677.26	654.41	22.85	29.634	
4,200.00	4,139.21	4,111.15	4,108.18	15.93	11.80	172.55	213.03	-63.19	707.02	683.61	23.41	30.198	
4,300.00	4,235.84	4,206.62	4,203.52	16.53	12.07	172.58	217.20	-66.07	736.79	712.81	23.98	30.731	
4,400.00	4,332.47	4,302.09	4,298.85	17.15	12.34	172.60	221.36	-68.94	766.55	742.01	24.54	31.236	
4,500.00	4,429.10	4,397.55	4,394.18	17.76	12.61	172.63	225.53	-71.82	796.31	771.20	25.11	31.714	
4,600.00	4,525.73	4,493.02	4,489.52	18.38	12.88	172.65	229.70	-74.69	826.07	800.40	25.68	32.168	
4,700.00	4,622.36	4,588.49	4,584.85	19.00	13.15	172.67	233.86	-77.57	855.84	829.59	26.25	32.600	
4,800.00	4,718.99	4,683.96	4,680.18	19.62	13.42	172.69	238.03	-80.44	885.60	858.77	26.83	33.010	
4,900.00	4,815.62	4,779.42	4,775.52	20.25	13.69	172.71	242.19	-83.32	915.37	887.96	27.41	33.400	
5,000.00	4,912.25	4,874.89	4,870.85	20.88	13.97	172.72	246.36	-86.19	945.13	917.14	27.99	33.772	
5,100.00	5,008.88	4,970.36	4,966.18	21.51	14.24	172.74	250.53	-89.07	974.89	946.33	28.57	34.126	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.80	20.03	0.28	20.03					
100.00	100.00	100.00	100.00	3.28	3.28	0.80	20.03	0.28	20.03	13.47	6.56	3.052		
200.00	200.00	200.00	200.00	3.30	3.30	0.80	20.03	0.28	20.03	13.43	6.60	3.034		
300.00	300.00	300.00	300.00	3.34	3.34	0.80	20.03	0.28	20.03	13.34	6.69	2.995		
400.00	400.00	400.00	400.00	3.41	3.41	0.80	20.03	0.28	20.03	13.22	6.82	2.938		
500.00	500.00	500.00	500.00	3.49	3.49	0.80	20.03	0.28	20.03	13.05	6.99	2.867		
600.00	600.00	600.00	600.00	3.60	3.60	0.80	20.03	0.28	20.03	12.84	7.20	2.784		
700.00	700.00	700.00	700.00	3.72	3.72	0.80	20.03	0.28	20.03	12.59	7.44	2.693		
800.00	800.00	800.00	800.00	3.86	3.86	0.80	20.03	0.28	20.03	12.32	7.71	2.597		
900.00	900.00	900.00	900.00	4.01	4.01	0.80	20.03	0.28	20.03	12.02	8.02	2.499		
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.80	20.03	0.28	20.03	11.69	8.35	2.401		
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.80	20.03	0.28	20.03	11.34	8.70	2.304		
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.80	20.03	0.28	20.03	10.97	9.07	2.210		
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.80	20.03	0.28	20.03	10.58	9.45	2.119		
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.80	20.03	0.28	20.03	10.18	9.86	2.032		
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.80	20.03	0.28	20.03	9.76	10.28	1.950		
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.80	20.03	0.28	20.03	9.33	10.71	1.871		
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.80	20.03	0.28	20.03	8.89	11.15	1.798		
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.80	20.03	0.28	20.03	8.44	11.59	1.728		
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.80	20.03	0.28	20.03	7.98	12.05	1.662		
2,000.00	1,999.98	2,000.70	2,000.68	6.23	6.23	173.96	18.28	0.02	20.03	7.57	12.45	1.608		
2,100.00	2,099.84	2,101.39	2,101.23	6.41	6.41	173.50	13.03	-0.76	20.01	7.21	12.80	1.563		
2,200.00	2,199.45	2,202.09	2,201.53	6.60	6.60	172.72	4.29	-2.05	19.99	6.84	13.15	1.520		
2,300.00	2,298.70	2,302.78	2,301.46	6.80	6.81	171.63	-7.93	-3.86	19.96	6.45	13.51	1.478	Level 3	
2,400.00	2,397.47	2,403.47	2,400.88	7.03	7.04	170.22	-23.62	-6.17	19.93	6.07	13.86	1.438	Level 3	
2,465.57	2,461.90	2,469.49	2,465.74	7.20	7.21	169.13	-35.78	-7.97	19.92	5.82	14.11	1.412	Level 3, CC	
2,500.00	2,495.62	2,503.92	2,499.50	7.29	7.31	168.63	-42.52	-8.97	20.10	5.85	14.25	1.410	Level 3	
2,600.00	2,593.06	2,603.88	2,597.48	7.60	7.60	168.52	-62.10	-11.86	22.94	8.24	14.70	1.560		
2,700.00	2,689.78	2,703.71	2,695.33	7.96	7.92	169.63	-81.65	-14.75	28.69	13.53	15.16	1.893		
2,800.00	2,786.41	2,803.52	2,793.17	8.36	8.27	170.47	-101.20	-17.64	34.82	19.18	15.64	2.227		
2,900.00	2,883.04	2,903.33	2,891.00	8.80	8.63	171.06	-120.74	-20.53	40.95	24.82	16.13	2.539		
3,000.00	2,979.66	3,003.14	2,988.84	9.26	9.02	171.50	-140.29	-23.42	47.09	30.45	16.64	2.830		
3,100.00	3,076.29	3,102.96	3,086.68	9.74	9.42	171.84	-159.83	-26.31	53.22	36.07	17.16	3.103		
3,200.00	3,172.92	3,202.77	3,184.51	10.24	9.83	172.10	-179.38	-29.20	59.36	41.68	17.69	3.357		
3,300.00	3,269.55	3,302.58	3,282.35	10.76	10.25	172.32	-198.93	-32.09	65.50	47.28	18.23	3.594		
3,400.00	3,366.18	3,402.39	3,380.18	11.30	10.69	172.50	-218.47	-34.98	71.64	52.87	18.78	3.815		
3,500.00	3,462.81	3,502.20	3,478.02	11.85	11.13	172.65	-238.02	-37.87	77.78	58.45	19.34	4.023		
3,600.00	3,559.44	3,602.01	3,575.85	12.40	11.58	172.78	-257.57	-40.76	83.93	64.02	19.90	4.217		
3,700.00	3,656.07	3,701.82	3,673.69	12.97	12.04	172.89	-277.11	-43.65	90.07	69.59	20.48	4.398		
3,800.00	3,752.70	3,801.63	3,771.53	13.55	12.50	172.99	-296.66	-46.54	96.21	75.15	21.06	4.568		
3,900.00	3,849.33	3,901.44	3,869.36	14.14	12.98	173.08	-316.21	-49.43	102.35	80.70	21.65	4.728		
4,000.00	3,945.96	4,001.26	3,967.20	14.73	13.45	173.15	-335.75	-52.32	108.50	86.25	22.24	4.878		
4,100.00	4,042.59	4,101.07	4,065.03	15.32	13.93	173.22	-355.30	-55.21	114.64	91.80	22.84	5.019		
4,200.00	4,139.21	4,200.88	4,162.87	15.93	14.42	173.28	-374.85	-58.10	120.78	97.34	23.44	5.152		
4,300.00	4,235.84	4,300.69	4,260.70	16.53	14.91	173.34	-394.39	-60.99	126.92	102.87	24.05	5.277		
4,400.00	4,332.47	4,400.50	4,358.54	17.15	15.40	173.39	-413.94	-63.88	133.07	108.40	24.66	5.395		
4,500.00	4,429.10	4,500.31	4,456.38	17.76	15.90	173.43	-433.49	-66.77	139.21	113.93	25.28	5.507		
4,600.00	4,525.73	4,600.12	4,554.21	18.38	16.39	173.47	-453.03	-69.66	145.35	119.45	25.90	5.612		
4,700.00	4,622.36	4,699.93	4,652.05	19.00	16.89	173.51	-472.58	-72.55	151.50	124.97	26.52	5.712		
4,800.00	4,718.99	4,799.74	4,749.88	19.62	17.40	173.55	-492.13	-75.44	157.64	130.49	27.15	5.806		
4,900.00	4,815.62	4,899.55	4,847.72	20.25	17.90	173.58	-511.67	-78.33	163.78	136.01	27.78	5.896		
5,000.00	4,912.25	4,999.37	4,945.55	20.88	18.41	173.61	-531.22	-81.22	169.93	141.52	28.41	5.981		

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,008.88	5,099.18	5,043.39	21.51	18.92	173.64	-550.77	-84.11	176.07	147.03	29.04	6.062	
5,200.00	5,105.51	5,198.99	5,141.23	22.14	19.43	173.66	-570.31	-87.00	182.21	152.53	29.68	6.139	
5,300.00	5,202.14	5,298.80	5,239.06	22.78	19.94	173.69	-589.86	-89.89	188.36	158.04	30.32	6.212	
5,400.00	5,298.76	5,398.61	5,336.90	23.41	20.46	173.71	-609.41	-92.78	194.50	163.54	30.96	6.282	
5,500.00	5,395.39	5,498.42	5,434.73	24.05	20.97	173.73	-628.95	-95.67	200.65	169.04	31.60	6.349	
5,600.00	5,492.02	5,598.23	5,532.57	24.69	21.49	173.75	-648.50	-98.56	206.79	174.54	32.25	6.412	
5,700.00	5,588.65	5,698.04	5,630.40	25.33	22.01	173.77	-668.05	-101.45	212.93	180.04	32.89	6.473	
5,800.00	5,685.28	5,797.85	5,728.24	25.97	22.52	173.79	-687.59	-104.34	219.08	185.53	33.54	6.531	
5,900.00	5,781.91	5,897.67	5,826.08	26.61	23.04	173.81	-707.14	-107.23	225.22	191.03	34.19	6.587	
6,000.00	5,878.54	5,997.48	5,923.91	27.26	23.56	173.82	-726.69	-110.12	231.37	196.52	34.84	6.640	
6,100.00	5,975.17	6,097.29	6,021.75	27.90	24.09	173.84	-746.23	-113.01	237.51	202.01	35.50	6.691	
6,200.00	6,071.80	6,197.10	6,119.58	28.54	24.61	173.85	-765.78	-115.90	243.65	207.50	36.15	6.740	
6,300.00	6,168.43	6,296.91	6,217.42	29.19	25.13	173.87	-785.33	-118.79	249.80	212.99	36.80	6.787	
6,400.00	6,265.06	6,396.72	6,315.25	29.84	25.65	173.88	-804.87	-121.67	255.94	218.48	37.46	6.832	
6,500.00	6,361.68	6,496.53	6,413.09	30.48	26.18	173.89	-824.42	-124.56	262.08	223.97	38.12	6.876	
6,600.00	6,458.31	6,596.34	6,510.93	31.13	26.70	173.91	-843.97	-127.45	268.23	229.45	38.78	6.917	
6,700.00	6,554.68	6,695.99	6,608.60	31.74	27.23	151.85	-863.48	-130.34	274.35	235.01	39.35	6.972	
6,800.00	6,648.90	6,795.71	6,706.24	32.34	27.73	134.87	-882.98	-135.27	280.99	241.23	39.76	7.067	
6,900.00	6,738.66	6,899.03	6,805.63	32.95	28.25	127.10	-902.78	-154.78	288.40	248.13	40.27	7.162	
7,000.00	6,821.75	7,005.86	6,903.76	33.59	28.83	123.72	-922.26	-191.90	296.20	255.43	40.77	7.264	
7,100.00	6,896.12	7,116.32	6,997.36	34.26	29.47	122.46	-940.76	-247.28	303.93	262.70	41.23	7.371	
7,200.00	6,959.94	7,230.40	7,082.69	34.99	30.22	122.23	-957.55	-320.87	311.10	269.31	41.79	7.444	
7,300.00	7,011.63	7,347.85	7,155.67	35.81	31.12	122.48	-971.80	-411.58	317.18	274.33	42.85	7.402	
7,400.00	7,049.93	7,468.22	7,212.23	36.74	32.26	122.91	-982.72	-517.06	321.69	276.70	44.99	7.150	
7,500.00	7,073.89	7,590.77	7,248.82	37.83	33.73	123.34	-989.61	-633.62	324.23	275.56	48.67	6.662	
7,600.00	7,082.93	7,714.57	7,262.89	39.09	35.58	123.67	-991.96	-756.40	324.54	270.55	53.99	6.011	
7,700.00	7,083.00	7,816.92	7,263.00	40.56	37.40	123.81	-991.61	-858.75	323.47	265.18	58.29	5.550	
7,800.00	7,083.00	7,916.91	7,263.00	42.28	39.43	123.94	-991.24	-958.74	322.38	259.78	62.61	5.149	
7,900.00	7,083.00	8,016.91	7,263.00	44.24	41.68	124.07	-990.87	-1,058.73	321.30	254.17	67.13	4.786	
8,000.00	7,083.00	8,116.90	7,263.00	46.41	44.11	124.20	-990.50	-1,158.72	320.22	248.41	71.81	4.459	
8,100.00	7,083.00	8,216.89	7,263.00	48.75	46.70	124.34	-990.14	-1,258.71	319.14	242.52	76.61	4.166	
8,200.00	7,083.00	8,316.88	7,263.00	51.26	49.40	124.47	-989.77	-1,358.70	318.06	236.54	81.52	3.902	
8,300.00	7,083.00	8,416.87	7,263.00	53.89	52.21	124.60	-989.40	-1,458.69	316.98	230.48	86.50	3.665	
8,400.00	7,083.00	8,516.86	7,263.00	56.63	55.10	124.74	-989.03	-1,558.68	315.90	224.36	91.54	3.451	
8,500.00	7,083.00	8,616.86	7,263.00	59.45	58.06	124.87	-988.66	-1,658.67	314.83	218.19	96.64	3.258	
8,600.00	7,083.00	8,716.85	7,263.00	62.35	61.08	125.01	-988.29	-1,758.67	313.76	211.99	101.77	3.083	
8,700.00	7,083.00	8,816.84	7,263.00	65.32	64.14	125.15	-987.92	-1,858.66	312.69	205.75	106.94	2.924	
8,800.00	7,083.00	8,916.83	7,263.00	68.33	67.24	125.29	-987.55	-1,958.65	311.62	199.50	112.12	2.779	
8,900.00	7,083.00	9,016.82	7,263.00	71.39	70.38	125.43	-987.19	-2,058.64	310.55	193.23	117.33	2.647	
9,000.00	7,083.00	9,116.81	7,263.00	74.49	73.55	125.57	-986.82	-2,158.63	309.49	186.95	122.54	2.526	
9,100.00	7,083.00	9,216.80	7,263.00	77.63	76.74	125.71	-986.45	-2,258.62	308.43	180.66	127.76	2.414	
9,200.00	7,083.00	9,316.80	7,263.00	80.79	79.96	125.85	-986.08	-2,358.61	307.36	174.38	132.99	2.311	
9,300.00	7,083.00	9,416.79	7,263.00	83.97	83.19	125.99	-985.71	-2,458.60	306.31	168.09	138.22	2.216	
9,400.00	7,083.00	9,516.78	7,263.00	87.18	86.44	126.14	-985.34	-2,558.59	305.25	161.81	143.44	2.128	
9,500.00	7,083.00	9,616.77	7,263.00	90.41	89.71	126.28	-984.97	-2,658.58	304.19	155.53	148.66	2.046	
9,600.00	7,083.00	9,716.76	7,263.00	93.65	92.99	126.43	-984.60	-2,758.57	303.14	149.27	153.87	1.970	
9,700.00	7,083.00	9,816.75	7,263.00	96.91	96.28	126.58	-984.24	-2,858.56	302.09	143.01	159.08	1.899	
9,800.00	7,083.00	9,916.74	7,263.00	100.18	99.58	126.72	-983.87	-2,958.55	301.04	136.76	164.28	1.833	
9,900.00	7,083.00	10,016.74	7,263.00	103.46	102.89	126.87	-983.50	-3,058.55	299.99	130.53	169.46	1.770	
10,000.00	7,083.00	10,116.73	7,263.00	106.76	106.21	127.02	-983.13	-3,158.54	298.95	124.32	174.63	1.712	
10,100.00	7,083.00	10,216.72	7,263.00	110.06	109.54	127.18	-982.76	-3,258.53	297.91	118.12	179.79	1.657	
10,200.00	7,083.00	10,316.71	7,263.00	113.37	112.87	127.33	-982.39	-3,358.52	296.86	111.93	184.93	1.605	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,083.00	10,416.70	7,263.00	116.70	116.21	127.48	-982.02	-3,458.51	295.83	105.77	190.06	1.557	
10,400.00	7,083.00	10,516.69	7,263.00	120.02	119.56	127.64	-981.66	-3,558.50	294.79	99.62	195.17	1.510	
10,500.00	7,083.00	10,616.68	7,263.00	123.36	122.91	127.79	-981.29	-3,658.49	293.75	93.50	200.26	1.467	Level 3
10,600.00	7,083.00	10,716.68	7,263.00	126.70	126.27	127.95	-980.92	-3,758.48	292.72	87.40	205.33	1.426	Level 3
10,700.00	7,083.00	10,816.67	7,263.00	130.05	129.63	128.11	-980.55	-3,858.47	291.69	81.31	210.38	1.387	Level 3
10,800.00	7,083.00	10,916.66	7,263.00	133.40	133.00	128.27	-980.18	-3,958.46	290.66	75.25	215.41	1.349	Level 3
10,900.00	7,083.00	11,016.65	7,263.00	136.76	136.37	128.43	-979.81	-4,058.45	289.64	69.22	220.42	1.314	Level 3
11,000.00	7,083.00	11,116.64	7,263.00	140.12	139.74	128.59	-979.44	-4,158.44	288.62	63.21	225.41	1.280	Level 3
11,100.00	7,083.00	11,216.63	7,263.00	143.48	143.11	128.75	-979.07	-4,258.43	287.59	57.22	230.37	1.248	Level 2
11,200.00	7,083.00	11,316.62	7,263.00	146.85	146.49	128.91	-978.71	-4,358.43	286.58	51.26	235.31	1.218	Level 2
11,300.00	7,083.00	11,416.62	7,263.00	150.22	149.88	129.08	-978.34	-4,458.42	285.56	45.33	240.23	1.189	Level 2
11,400.00	7,083.00	11,516.61	7,263.00	153.60	153.26	129.24	-977.97	-4,558.41	284.55	39.42	245.12	1.161	Level 2
11,500.00	7,083.00	11,616.60	7,263.00	156.98	156.65	129.41	-977.60	-4,658.40	283.53	33.54	249.99	1.134	Level 2
11,600.00	7,083.00	11,716.59	7,263.00	160.36	160.04	129.58	-977.23	-4,758.39	282.52	27.69	254.83	1.109	Level 2
11,700.00	7,083.00	11,816.58	7,263.00	163.74	163.43	129.75	-976.86	-4,858.38	281.52	21.87	259.65	1.084	Level 2
11,800.00	7,083.00	11,916.57	7,263.00	167.13	166.82	129.92	-976.49	-4,958.37	280.51	16.08	264.43	1.061	Level 2
11,900.00	7,083.00	12,016.56	7,263.00	170.52	170.22	130.09	-976.12	-5,058.36	279.51	10.32	269.19	1.038	Level 2
12,000.00	7,083.00	12,116.56	7,263.00	173.91	173.61	130.26	-975.76	-5,158.35	278.51	4.59	273.92	1.017	Level 2
12,100.00	7,083.00	12,216.55	7,263.00	177.31	177.01	130.44	-975.39	-5,258.34	277.52	-1.11	278.63	0.996	Level 1
12,200.00	7,083.00	12,316.54	7,263.00	180.70	180.41	130.62	-975.02	-5,358.33	276.52	-6.78	283.30	0.976	Level 1
12,300.00	7,083.00	12,416.53	7,263.00	184.10	183.82	130.79	-974.65	-5,458.32	275.53	-12.41	287.94	0.957	Level 1
12,400.00	7,083.00	12,516.52	7,263.00	187.50	187.22	130.97	-974.28	-5,558.31	274.54	-18.01	292.55	0.938	Level 1
12,500.00	7,083.00	12,616.51	7,263.00	190.90	190.62	131.15	-973.91	-5,658.31	273.56	-23.58	297.14	0.921	Level 1
12,600.00	7,083.00	12,716.50	7,263.00	194.30	194.03	131.33	-973.54	-5,758.30	272.57	-29.11	301.69	0.904	Level 1
12,700.00	7,083.00	12,816.50	7,263.00	197.70	197.44	131.51	-973.17	-5,858.29	271.59	-34.61	306.20	0.887	Level 1
12,800.00	7,083.00	12,916.49	7,263.00	201.11	200.84	131.70	-972.81	-5,958.28	270.61	-40.07	310.69	0.871	Level 1
12,900.00	7,083.00	13,016.48	7,263.00	204.51	204.25	131.88	-972.44	-6,058.27	269.64	-45.50	315.14	0.856	Level 1
13,000.00	7,083.00	13,116.47	7,263.00	207.92	207.66	132.07	-972.07	-6,158.26	268.67	-50.89	319.55	0.841	Level 1
13,100.00	7,083.00	13,216.46	7,263.00	211.33	211.08	132.25	-971.70	-6,258.25	267.70	-56.24	323.94	0.826	Level 1
13,200.00	7,083.00	13,316.45	7,263.00	214.74	214.49	132.44	-971.33	-6,358.24	266.73	-61.55	328.28	0.813	Level 1
13,300.00	7,083.00	13,416.44	7,263.00	218.15	217.90	132.63	-970.96	-6,458.23	265.77	-66.82	332.59	0.799	Level 1
13,400.00	7,083.00	13,516.44	7,263.00	221.56	221.32	132.83	-970.59	-6,558.22	264.81	-72.06	336.87	0.786	Level 1
13,500.00	7,083.00	13,616.43	7,263.00	224.97	224.73	133.02	-970.23	-6,658.21	263.85	-77.25	341.11	0.774	Level 1
13,600.00	7,083.00	13,716.42	7,263.00	228.39	228.15	133.21	-969.86	-6,758.20	262.90	-82.41	345.31	0.761	Level 1
13,700.00	7,083.00	13,816.41	7,263.00	231.80	231.56	133.41	-969.49	-6,858.19	261.94	-87.52	349.47	0.750	Level 1
13,800.00	7,083.00	13,916.40	7,263.00	235.22	234.98	133.61	-969.12	-6,958.19	261.00	-92.59	353.59	0.738	Level 1
13,900.00	7,083.00	14,016.39	7,263.00	238.64	238.40	133.80	-968.75	-7,058.18	260.05	-97.62	357.67	0.727	Level 1
14,000.00	7,083.00	14,116.39	7,263.00	242.05	241.81	134.00	-968.38	-7,158.17	259.11	-102.61	361.72	0.716	Level 1
14,100.00	7,083.00	14,216.38	7,263.00	245.47	245.23	134.21	-968.01	-7,258.16	258.17	-107.55	365.72	0.706	Level 1
14,200.00	7,083.00	14,316.37	7,263.00	248.89	248.65	134.41	-967.64	-7,358.15	257.23	-112.45	369.68	0.696	Level 1
14,300.00	7,083.00	14,416.36	7,263.00	252.31	252.07	134.61	-967.28	-7,458.14	256.30	-117.30	373.60	0.686	Level 1
14,400.00	7,083.00	14,516.35	7,263.00	255.73	255.49	134.82	-966.91	-7,558.13	255.37	-122.11	377.48	0.677	Level 1
14,500.00	7,083.00	14,616.34	7,263.00	259.15	258.91	135.03	-966.54	-7,658.12	254.45	-126.87	381.31	0.667	Level 1
14,547.50	7,083.00	14,663.83	7,263.00	260.77	260.54	135.13	-966.36	-7,705.61	254.01	-129.11	383.12	0.663	Level 1, ES, SF

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Kawata Pad - 5N-17B-M - Original Hole - Plan #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	0.80	40.07	0.56	40.07				
100.00	100.00	100.00	100.00	3.28	3.28	0.80	40.07	0.56	40.07	33.51	6.56	6.105	
200.00	200.00	200.00	200.00	3.30	3.30	0.80	40.07	0.56	40.07	33.47	6.60	6.068	
300.00	300.00	300.00	300.00	3.34	3.34	0.80	40.07	0.56	40.07	33.38	6.69	5.991	
400.00	400.00	400.00	400.00	3.41	3.41	0.80	40.07	0.56	40.07	33.25	6.82	5.878	
500.00	500.00	500.00	500.00	3.49	3.49	0.80	40.07	0.56	40.07	33.08	6.99	5.735	
600.00	600.00	600.00	600.00	3.60	3.60	0.80	40.07	0.56	40.07	32.88	7.20	5.569	
700.00	700.00	700.00	700.00	3.72	3.72	0.80	40.07	0.56	40.07	32.63	7.44	5.387	
800.00	800.00	800.00	800.00	3.86	3.86	0.80	40.07	0.56	40.07	32.36	7.71	5.195	
900.00	900.00	900.00	900.00	4.01	4.01	0.80	40.07	0.56	40.07	32.05	8.02	4.998	
1,000.00	1,000.00	1,000.00	1,000.00	4.17	4.17	0.80	40.07	0.56	40.07	31.73	8.35	4.802	
1,100.00	1,100.00	1,100.00	1,100.00	4.35	4.35	0.80	40.07	0.56	40.07	31.38	8.70	4.608	
1,200.00	1,200.00	1,200.00	1,200.00	4.53	4.53	0.80	40.07	0.56	40.07	31.00	9.07	4.420	
1,300.00	1,300.00	1,300.00	1,300.00	4.73	4.73	0.80	40.07	0.56	40.07	30.62	9.45	4.238	
1,400.00	1,400.00	1,400.00	1,400.00	4.93	4.93	0.80	40.07	0.56	40.07	30.21	9.86	4.065	
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	0.80	40.07	0.56	40.07	29.80	10.28	3.900	
1,600.00	1,600.00	1,600.00	1,600.00	5.35	5.35	0.80	40.07	0.56	40.07	29.37	10.71	3.743	
1,700.00	1,700.00	1,700.00	1,700.00	5.57	5.57	0.80	40.07	0.56	40.07	28.93	11.15	3.595	
1,800.00	1,800.00	1,800.00	1,800.00	5.80	5.80	0.80	40.07	0.56	40.07	28.48	11.59	3.456	
1,900.00	1,900.00	1,900.00	1,900.00	6.03	6.03	0.80	40.07	0.56	40.07	28.02	12.05	3.325	
2,000.00	1,999.98	2,001.40	2,001.38	6.23	6.23	173.94	38.30	0.23	40.06	27.61	12.46	3.216	
2,100.00	2,099.84	2,102.79	2,102.62	6.41	6.42	173.41	33.02	-0.76	40.04	27.24	12.80	3.127	
2,200.00	2,199.45	2,204.18	2,203.61	6.60	6.61	172.53	24.21	-2.40	40.02	26.86	13.16	3.042	
2,300.00	2,298.70	2,305.56	2,304.21	6.80	6.81	171.29	11.90	-4.70	39.99	26.48	13.51	2.960	
2,357.96	2,356.01	2,364.32	2,362.29	6.93	6.94	170.42	3.16	-6.33	39.99	26.27	13.72	2.914 CC	
2,400.00	2,397.47	2,406.37	2,403.79	7.03	7.05	169.82	-3.53	-7.58	40.28	26.38	13.89	2.899	
2,500.00	2,495.62	2,506.32	2,502.42	7.29	7.30	169.07	-19.42	-10.55	43.41	29.09	14.32	3.031	
2,600.00	2,593.06	2,606.10	2,600.88	7.60	7.58	169.22	-35.29	-13.51	49.97	35.21	14.76	3.385	
2,700.00	2,689.78	2,705.64	2,699.11	7.96	7.87	169.86	-51.13	-16.47	59.46	44.23	15.23	3.905	
2,800.00	2,786.41	2,805.15	2,797.32	8.36	8.18	170.40	-66.96	-19.43	69.31	53.61	15.70	4.415	
2,900.00	2,883.04	2,904.67	2,895.52	8.80	8.51	170.80	-82.78	-22.38	79.16	62.98	16.19	4.891	
3,000.00	2,979.66	3,004.18	2,993.72	9.26	8.84	171.11	-98.61	-25.34	89.02	72.33	16.69	5.335	
3,100.00	3,076.29	3,103.69	3,091.92	9.74	9.19	171.36	-114.44	-28.29	98.88	81.68	17.20	5.749	
3,200.00	3,172.92	3,203.20	3,190.12	10.24	9.55	171.56	-130.27	-31.25	108.74	91.02	17.72	6.136	
3,300.00	3,269.55	3,302.71	3,288.32	10.76	9.92	171.73	-146.09	-34.20	118.61	100.35	18.26	6.497	
3,400.00	3,366.18	3,402.23	3,386.52	11.30	10.30	171.87	-161.92	-37.16	128.47	109.67	18.80	6.834	
3,500.00	3,462.81	3,501.74	3,484.72	11.85	10.68	172.00	-177.75	-40.12	138.33	118.99	19.35	7.150	
3,600.00	3,559.44	3,601.25	3,582.92	12.40	11.07	172.10	-193.58	-43.07	148.20	128.29	19.91	7.445	
3,700.00	3,656.07	3,700.76	3,681.12	12.97	11.47	172.20	-209.40	-46.03	158.06	137.59	20.47	7.721	
3,800.00	3,752.70	3,800.27	3,779.32	13.55	11.87	172.28	-225.23	-48.98	167.93	146.89	21.04	7.981	
3,900.00	3,849.33	3,899.78	3,877.52	14.14	12.28	172.35	-241.06	-51.94	177.80	156.18	21.62	8.224	
4,000.00	3,945.96	3,999.30	3,975.72	14.73	12.69	172.42	-256.89	-54.89	187.66	165.46	22.20	8.452	
4,100.00	4,042.59	4,098.81	4,073.92	15.32	13.10	172.48	-272.72	-57.85	197.53	174.74	22.79	8.667	
4,200.00	4,139.21	4,198.32	4,172.12	15.93	13.52	172.53	-288.54	-60.80	207.40	184.01	23.38	8.870	
4,300.00	4,235.84	4,297.83	4,270.32	16.53	13.94	172.58	-304.37	-63.76	217.26	193.28	23.98	9.061	
4,400.00	4,332.47	4,397.34	4,368.52	17.15	14.37	172.62	-320.20	-66.71	227.13	202.55	24.58	9.241	
4,500.00	4,429.10	4,496.86	4,466.73	17.76	14.79	172.66	-336.03	-69.67	237.00	211.81	25.18	9.411	
4,600.00	4,525.73	4,596.37	4,564.93	18.38	15.22	172.70	-351.85	-72.63	246.87	221.07	25.79	9.572	
4,700.00	4,622.36	4,695.88	4,663.13	19.00	15.65	172.74	-367.68	-75.58	256.73	230.33	26.40	9.724	
4,800.00	4,718.99	4,795.39	4,761.33	19.62	16.09	172.77	-383.51	-78.54	266.60	239.58	27.02	9.868	
4,900.00	4,815.62	4,894.90	4,859.53	20.25	16.52	172.80	-399.34	-81.49	276.47	248.84	27.63	10.005	
5,000.00	4,912.25	4,994.42	4,957.73	20.88	16.96	172.83	-415.16	-84.45	286.34	258.08	28.25	10.135	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,008.88	5,093.93	5,055.93	21.51	17.40	172.85	-430.99	-87.40	296.20	267.33	28.87	10.259	
5,200.00	5,105.51	5,193.44	5,154.13	22.14	17.84	172.88	-446.82	-90.36	306.07	276.57	29.50	10.376	
5,300.00	5,202.14	5,292.95	5,252.33	22.78	18.28	172.90	-462.65	-93.31	315.94	285.82	30.12	10.488	
5,400.00	5,298.76	5,392.46	5,350.53	23.41	18.73	172.92	-478.48	-96.27	325.81	295.06	30.75	10.595	
5,500.00	5,395.39	5,491.97	5,448.73	24.05	19.17	172.94	-494.30	-99.22	335.67	304.29	31.38	10.697	
5,600.00	5,492.02	5,591.49	5,546.93	24.69	19.62	172.96	-510.13	-102.18	345.54	313.53	32.01	10.794	
5,700.00	5,588.65	5,691.00	5,645.13	25.33	20.06	172.98	-525.96	-105.14	355.41	322.77	32.65	10.887	
5,800.00	5,685.28	5,790.51	5,743.33	25.97	20.51	172.99	-541.79	-108.09	365.28	332.00	33.28	10.976	
5,900.00	5,781.91	5,890.02	5,841.53	26.61	20.96	173.01	-557.61	-111.05	375.15	341.23	33.92	11.061	
6,000.00	5,878.54	5,989.53	5,939.73	27.26	21.41	173.02	-573.44	-114.00	385.02	350.46	34.55	11.142	
6,100.00	5,975.17	6,089.05	6,037.94	27.90	21.86	173.04	-589.27	-116.96	394.88	359.69	35.19	11.220	
6,200.00	6,071.80	6,188.56	6,136.14	28.54	22.31	173.05	-605.10	-119.91	404.75	368.92	35.83	11.295	
6,300.00	6,168.43	6,288.07	6,234.34	29.19	22.76	173.07	-620.92	-122.87	414.62	378.14	36.47	11.367	
6,400.00	6,265.06	6,387.58	6,332.54	29.84	23.22	173.08	-636.75	-125.82	424.49	387.37	37.12	11.436	
6,500.00	6,361.68	6,487.09	6,430.74	30.48	23.67	173.09	-652.58	-128.78	434.36	396.59	37.76	11.503	
6,600.00	6,458.31	6,585.76	6,527.99	31.13	24.11	172.83	-668.22	-133.84	444.27	405.84	38.44	11.559	
6,700.00	6,554.68	6,682.10	6,621.38	31.74	24.54	148.20	-683.04	-151.76	454.53	415.25	39.28	11.571	
6,800.00	6,648.90	6,776.80	6,709.60	32.34	25.01	126.08	-696.82	-183.07	464.80	424.56	40.24	11.551	
6,900.00	6,738.66	6,870.14	6,791.15	32.95	25.51	113.15	-709.33	-226.54	474.73	433.40	41.33	11.487	
7,000.00	6,821.75	6,962.32	6,864.71	33.59	26.06	105.10	-720.38	-280.85	484.03	441.42	42.61	11.360	
7,100.00	6,896.12	7,053.55	6,929.17	34.26	26.70	99.73	-729.82	-344.60	492.40	448.25	44.15	11.153	
7,200.00	6,959.94	7,144.03	6,983.59	34.99	27.46	96.01	-737.51	-416.37	499.59	453.52	46.07	10.845	
7,300.00	7,011.63	7,233.92	7,027.19	35.81	28.38	93.44	-743.35	-494.68	505.38	456.94	48.44	10.433	
7,400.00	7,049.93	7,323.42	7,059.38	36.74	29.52	91.76	-747.27	-578.02	509.60	458.29	51.31	9.932	
7,500.00	7,073.89	7,412.68	7,079.70	37.83	30.89	90.82	-749.21	-664.84	512.14	457.47	54.67	9.368	
7,600.00	7,082.93	7,501.87	7,087.84	39.09	32.50	90.55	-749.16	-753.59	512.93	454.48	58.45	8.775	
7,700.00	7,083.00	7,600.13	7,088.00	40.56	34.50	90.56	-747.67	-851.83	512.78	449.54	63.25	8.107	
7,800.00	7,083.00	7,700.13	7,088.00	42.28	36.78	90.56	-746.13	-951.82	512.65	444.14	68.51	7.483	
7,900.00	7,083.00	7,800.13	7,088.00	44.24	39.25	90.56	-744.58	-1,051.81	512.52	438.49	74.03	6.923	
8,000.00	7,083.00	7,900.13	7,088.00	46.41	41.89	90.56	-743.04	-1,151.80	512.38	432.62	79.77	6.423	
8,100.00	7,083.00	8,000.13	7,088.00	48.75	44.64	90.56	-741.50	-1,251.78	512.25	426.58	85.67	5.979	
8,200.00	7,083.00	8,100.13	7,088.00	51.26	47.50	90.56	-739.96	-1,351.77	512.11	420.40	91.72	5.584	
8,300.00	7,083.00	8,200.13	7,088.00	53.89	50.44	90.56	-738.41	-1,451.76	511.98	414.11	97.87	5.231	
8,400.00	7,083.00	8,300.13	7,088.00	56.63	53.44	90.56	-736.87	-1,551.75	511.85	407.73	104.11	4.916	
8,500.00	7,083.00	8,400.13	7,088.00	59.45	56.50	90.56	-735.33	-1,651.74	511.71	401.28	110.44	4.634	
8,600.00	7,083.00	8,500.13	7,088.00	62.35	59.60	90.56	-733.79	-1,751.72	511.58	394.76	116.82	4.379	
8,700.00	7,083.00	8,600.13	7,088.00	65.32	62.75	90.56	-732.25	-1,851.71	511.44	388.18	123.26	4.149	
8,800.00	7,083.00	8,700.13	7,088.00	68.33	65.92	90.56	-730.70	-1,951.70	511.31	381.56	129.75	3.941	
8,900.00	7,083.00	8,800.13	7,088.00	71.39	69.12	90.56	-729.16	-2,051.69	511.18	374.91	136.27	3.751	
9,000.00	7,083.00	8,900.13	7,088.00	74.49	72.34	90.56	-727.62	-2,151.68	511.04	368.21	142.83	3.578	
9,100.00	7,083.00	9,000.13	7,088.00	77.63	75.59	90.56	-726.08	-2,251.66	510.91	361.49	149.41	3.419	
9,200.00	7,083.00	9,100.13	7,088.00	80.79	78.85	90.56	-724.53	-2,351.65	510.77	354.75	156.03	3.274	
9,300.00	7,083.00	9,200.13	7,088.00	83.97	82.13	90.56	-722.99	-2,451.64	510.64	347.98	162.66	3.139	
9,400.00	7,083.00	9,300.13	7,088.00	87.18	85.42	90.56	-721.45	-2,551.63	510.51	341.19	169.32	3.015	
9,500.00	7,083.00	9,400.13	7,088.00	90.41	88.72	90.56	-719.91	-2,651.62	510.37	334.38	175.99	2.900	
9,600.00	7,083.00	9,500.13	7,088.00	93.65	92.04	90.56	-718.37	-2,751.60	510.24	327.56	182.68	2.793	
9,700.00	7,083.00	9,600.13	7,088.00	96.91	95.36	90.56	-716.82	-2,851.59	510.10	320.72	189.39	2.693	
9,800.00	7,083.00	9,700.13	7,088.00	100.18	98.69	90.56	-715.28	-2,951.58	509.97	313.87	196.10	2.601	
9,900.00	7,083.00	9,800.13	7,088.00	103.46	102.03	90.56	-713.74	-3,051.57	509.84	307.01	202.83	2.514	
10,000.00	7,083.00	9,900.13	7,088.00	106.76	105.38	90.56	-712.20	-3,151.56	509.70	300.14	209.57	2.432	
10,100.00	7,083.00	10,000.13	7,088.00	110.06	108.73	90.56	-710.65	-3,251.54	509.57	293.25	216.31	2.356	
10,200.00	7,083.00	10,100.13	7,088.00	113.37	112.09	90.56	-709.11	-3,351.53	509.43	286.37	223.07	2.284	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,083.00	10,200.12	7,088.00	116.70	115.45	90.56	-707.57	-3,451.52	509.30	279.47	229.83	2.216	
10,400.00	7,083.00	10,300.12	7,088.00	120.02	118.82	90.56	-706.03	-3,551.51	509.16	272.56	236.60	2.152	
10,500.00	7,083.00	10,400.12	7,088.00	123.36	122.19	90.56	-704.48	-3,651.50	509.03	265.65	243.38	2.092	
10,600.00	7,083.00	10,500.12	7,088.00	126.70	125.57	90.56	-702.94	-3,751.48	508.90	258.74	250.16	2.034	
10,700.00	7,083.00	10,600.12	7,088.00	130.05	128.94	90.56	-701.40	-3,851.47	508.76	251.82	256.95	1.980	
10,800.00	7,083.00	10,700.12	7,088.00	133.40	132.33	90.56	-699.86	-3,951.46	508.63	244.89	263.74	1.929	
10,900.00	7,083.00	10,800.12	7,088.00	136.76	135.71	90.56	-698.32	-4,051.45	508.49	237.96	270.54	1.880	
11,000.00	7,083.00	10,900.12	7,088.00	140.12	139.10	90.56	-696.77	-4,151.44	508.36	231.02	277.34	1.833	
11,100.00	7,083.00	11,000.12	7,088.00	143.48	142.49	90.56	-695.23	-4,251.42	508.23	224.08	284.15	1.789	
11,200.00	7,083.00	11,100.12	7,088.00	146.85	145.89	90.56	-693.69	-4,351.41	508.09	217.14	290.96	1.746	
11,300.00	7,083.00	11,200.12	7,088.00	150.22	149.28	90.56	-692.15	-4,451.40	507.96	210.19	297.77	1.706	
11,400.00	7,083.00	11,300.12	7,088.00	153.60	152.68	90.56	-690.60	-4,551.39	507.82	203.24	304.59	1.667	
11,500.00	7,083.00	11,400.12	7,088.00	156.98	156.08	90.56	-689.06	-4,651.38	507.69	196.29	311.40	1.630	
11,600.00	7,083.00	11,500.12	7,088.00	160.36	159.48	90.56	-687.52	-4,751.36	507.56	189.33	318.23	1.595	
11,700.00	7,083.00	11,600.12	7,088.00	163.74	162.89	90.56	-685.98	-4,851.35	507.42	182.37	325.05	1.561	
11,800.00	7,083.00	11,700.12	7,088.00	167.13	166.29	90.56	-684.44	-4,951.34	507.29	175.41	331.88	1.529	
11,900.00	7,083.00	11,800.12	7,088.00	170.52	169.70	90.56	-682.89	-5,051.33	507.15	168.44	338.71	1.497	Level 3
12,000.00	7,083.00	11,900.12	7,088.00	173.91	173.11	90.57	-681.35	-5,151.32	507.02	161.48	345.54	1.467	Level 3
12,100.00	7,083.00	12,000.12	7,088.00	177.31	176.52	90.57	-679.81	-5,251.30	506.89	154.51	352.37	1.438	Level 3
12,200.00	7,083.00	12,100.12	7,088.00	180.70	179.93	90.57	-678.27	-5,351.29	506.75	147.54	359.21	1.411	Level 3
12,300.00	7,083.00	12,200.12	7,088.00	184.10	183.34	90.57	-676.72	-5,451.28	506.62	140.57	366.05	1.384	Level 3
12,400.00	7,083.00	12,300.12	7,088.00	187.50	186.76	90.57	-675.18	-5,551.27	506.48	133.59	372.89	1.358	Level 3
12,500.00	7,083.00	12,400.12	7,088.00	190.90	190.17	90.57	-673.64	-5,651.26	506.35	126.62	379.73	1.333	Level 3
12,600.00	7,083.00	12,500.12	7,088.00	194.30	193.59	90.57	-672.10	-5,751.24	506.21	119.64	386.57	1.309	Level 3
12,700.00	7,083.00	12,600.12	7,088.00	197.70	197.00	90.57	-670.56	-5,851.23	506.08	112.66	393.42	1.286	Level 3
12,800.00	7,083.00	12,700.12	7,088.00	201.11	200.42	90.57	-669.01	-5,951.22	505.95	105.68	400.26	1.264	Level 3
12,900.00	7,083.00	12,800.12	7,088.00	204.51	203.84	90.57	-667.47	-6,051.21	505.81	98.70	407.11	1.242	Level 2
13,000.00	7,083.00	12,900.12	7,088.00	207.92	207.26	90.57	-665.93	-6,151.20	505.68	91.72	413.96	1.222	Level 2
13,100.00	7,083.00	13,000.12	7,088.00	211.33	210.68	90.57	-664.39	-6,251.18	505.54	84.74	420.81	1.201	Level 2
13,200.00	7,083.00	13,100.12	7,088.00	214.74	214.10	90.57	-662.84	-6,351.17	505.41	77.75	427.66	1.182	Level 2
13,300.00	7,083.00	13,200.12	7,088.00	218.15	217.52	90.57	-661.30	-6,451.16	505.28	70.77	434.51	1.163	Level 2
13,400.00	7,083.00	13,300.12	7,088.00	221.56	220.94	90.57	-659.76	-6,551.15	505.14	63.78	441.36	1.145	Level 2
13,500.00	7,083.00	13,400.12	7,088.00	224.97	224.36	90.57	-658.22	-6,651.14	505.01	56.79	448.22	1.127	Level 2
13,600.00	7,083.00	13,500.12	7,088.00	228.39	227.79	90.57	-656.68	-6,751.12	504.87	49.80	455.07	1.109	Level 2
13,700.00	7,083.00	13,600.12	7,088.00	231.80	231.21	90.57	-655.13	-6,851.11	504.74	42.81	461.93	1.093	Level 2
13,800.00	7,083.00	13,700.12	7,088.00	235.22	234.63	90.57	-653.59	-6,951.10	504.61	35.82	468.78	1.076	Level 2
13,900.00	7,083.00	13,800.12	7,088.00	238.64	238.06	90.57	-652.05	-7,051.09	504.47	28.83	475.64	1.061	Level 2
14,000.00	7,083.00	13,900.12	7,088.00	242.05	241.48	90.57	-650.51	-7,151.08	504.34	21.84	482.50	1.045	Level 2
14,100.00	7,083.00	14,000.12	7,088.00	245.47	244.91	90.57	-648.96	-7,251.06	504.20	14.85	489.36	1.030	Level 2
14,200.00	7,083.00	14,100.12	7,088.00	248.89	248.34	90.57	-647.42	-7,351.05	504.07	7.85	496.22	1.016	Level 2
14,300.00	7,083.00	14,200.12	7,088.00	252.31	251.76	90.57	-645.88	-7,451.04	503.94	0.86	503.08	1.002	Level 2
14,400.00	7,083.00	14,300.12	7,088.00	255.73	255.19	90.57	-644.34	-7,551.03	503.80	-6.14	509.94	0.988	Level 1
14,500.00	7,083.00	14,400.12	7,088.00	259.15	258.62	90.57	-642.79	-7,651.02	503.67	-13.13	516.80	0.975	Level 1
14,547.50	7,083.00	14,447.62	7,088.00	260.77	260.25	90.57	-642.06	-7,698.51	503.60	-16.46	520.06	0.968	Level 1, ES, SF



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Front Range 11-17-10 - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 766-MWD												<b>Offset Well Error:</b>	3.28 usft
Reference	Offset	Semi Major Axis			Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,500.00	7,083.00	7,258.72	7,128.99	156.98	32.73	-94.62	-2,056.36	-5,099.42	968.38	811.46	156.92	6.171	
11,600.00	7,083.00	7,248.78	7,119.10	160.36	32.70	-93.96	-2,056.70	-5,100.31	928.72	760.06	168.66	5.506	
11,700.00	7,083.00	7,238.67	7,109.04	163.74	32.67	-93.30	-2,057.04	-5,101.23	898.39	718.47	179.92	4.993	
11,800.00	7,083.00	7,228.38	7,098.79	167.13	32.64	-92.62	-2,057.36	-5,102.17	878.36	688.30	190.06	4.621	
11,900.00	7,083.00	7,217.90	7,088.36	170.52	32.61	-91.94	-2,057.67	-5,103.14	869.32	670.87	198.45	4.380	
11,929.73	7,083.00	7,214.74	7,085.22	171.53	32.60	-91.73	-2,057.76	-5,103.43	868.82	668.28	200.54	4.332 CC	
12,000.00	7,083.00	7,207.22	7,077.74	173.91	32.58	-91.24	-2,057.97	-5,104.14	871.63	667.00	204.63	4.260 ES	
12,100.00	7,083.00	7,198.07	7,068.63	177.31	32.55	-90.64	-2,058.22	-5,105.01	885.19	676.84	208.34	4.249 SF	
12,200.00	7,083.00	7,188.75	7,059.37	180.70	32.52	-90.02	-2,058.50	-5,105.94	909.51	699.83	209.67	4.338	
12,300.00	7,083.00	7,178.24	7,048.91	184.10	32.48	-89.34	-2,058.83	-5,107.07	943.74	734.82	208.92	4.517	
12,400.00	7,083.00	7,166.28	7,037.04	187.50	32.44	-88.55	-2,059.24	-5,108.43	986.84	780.31	206.52	4.778	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Front Range 11-17-5 - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 128-MWD												<b>Offset Well Error:</b>	3.28 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,400.00	7,083.00	7,326.66	6,953.48	221.56	51.65	70.48	-848.82	-7,487.05	986.20	858.02	128.19	7.694	
13,500.00	7,083.00	7,335.77	6,962.51	224.97	51.69	72.07	-847.83	-7,487.74	892.11	757.08	135.03	6.607	
13,600.00	7,083.00	7,343.24	6,969.92	228.39	51.71	73.40	-847.01	-7,488.30	799.38	656.01	143.36	5.576	
13,700.00	7,083.00	7,350.72	6,977.33	231.80	51.74	74.74	-846.18	-7,488.86	708.55	554.83	153.72	4.609	
13,800.00	7,083.00	7,358.19	6,984.74	235.22	51.77	76.09	-845.36	-7,489.42	620.45	453.70	166.75	3.721	
13,900.00	7,083.00	7,365.67	6,992.14	238.64	51.79	77.44	-844.52	-7,489.98	536.43	353.12	183.30	2.926	
14,000.00	7,083.00	7,373.14	6,999.55	242.05	51.82	78.81	-843.68	-7,490.54	458.74	254.39	204.34	2.245	
14,100.00	7,083.00	7,380.62	7,006.96	245.47	51.85	80.18	-842.84	-7,491.11	391.17	160.74	230.43	1.698	
14,200.00	7,083.00	7,388.10	7,014.37	248.89	51.87	81.55	-841.99	-7,491.67	339.81	80.04	259.77	1.308	Level 3
14,300.00	7,083.00	7,395.57	7,021.77	252.31	51.90	82.92	-841.14	-7,492.23	312.74	29.41	283.33	1.104	Level 2
14,338.81	7,083.00	7,398.48	7,024.65	253.63	51.91	83.46	-840.80	-7,492.44	310.34	22.76	287.58	1.079	Level 2, CC, ES, SF
14,400.00	7,083.00	7,403.05	7,029.18	255.73	51.93	84.30	-840.28	-7,492.79	316.28	29.64	286.64	1.103	Level 2
14,500.00	7,083.00	7,410.53	7,036.59	259.15	51.95	85.68	-839.41	-7,493.35	349.49	81.43	268.07	1.304	Level 3
14,547.50	7,083.00	7,414.08	7,040.10	260.77	51.97	86.33	-839.00	-7,493.61	373.65	118.48	255.16	1.464	Level 3

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



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 732-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,000.00	7,083.00	7,262.11	7,032.74	173.91	39.60	81.95	-986.72	-6,107.45	969.86	870.35	99.51	9.746	
12,100.00	7,083.00	7,259.92	7,030.61	177.31	39.59	81.28	-987.23	-6,107.50	871.95	768.85	103.10	8.457	
12,200.00	7,083.00	7,257.82	7,028.57	180.70	39.58	80.64	-987.72	-6,107.55	774.58	666.96	107.62	7.197	
12,300.00	7,083.00	7,255.82	7,026.62	184.10	39.57	80.03	-988.18	-6,107.59	677.97	564.51	113.46	5.975	
12,400.00	7,083.00	7,253.91	7,024.76	187.50	39.56	79.44	-988.63	-6,107.63	582.50	461.31	121.20	4.806	
12,500.00	7,083.00	7,252.08	7,022.99	190.90	39.55	78.88	-989.05	-6,107.67	488.84	357.08	131.77	3.710	
12,600.00	7,083.00	7,250.33	7,021.28	194.30	39.54	78.35	-989.46	-6,107.70	398.26	251.61	146.66	2.716	
12,700.00	7,083.00	7,248.65	7,019.65	197.70	39.53	77.83	-989.85	-6,107.74	313.46	145.48	167.99	1.866	
12,800.00	7,083.00	7,247.04	7,018.08	201.11	39.52	77.34	-990.22	-6,107.77	240.62	43.96	196.66	1.224 Level 2	
12,900.00	7,083.00	7,245.49	7,016.58	204.51	39.51	76.86	-990.58	-6,107.80	193.73	-27.90	221.62	0.874 Level 1	
12,951.86	7,083.00	7,244.71	7,015.82	206.28	39.50	76.62	-990.76	-6,107.81	186.66	-35.98	222.64	0.838 Level 1, CC, ES, SF	
13,000.00	7,083.00	7,244.00	7,015.13	207.92	39.50	76.41	-990.92	-6,107.83	192.77	-20.78	213.55	0.903 Level 1	
13,100.00	7,083.00	7,242.57	7,013.74	211.33	39.49	75.97	-991.25	-6,107.85	238.29	60.16	178.14	1.338 Level 3	
13,200.00	7,083.00	7,241.20	7,012.40	214.74	39.48	75.55	-991.57	-6,107.88	310.49	165.42	145.07	2.140	
13,300.00	7,083.00	7,239.87	7,011.11	218.15	39.48	75.14	-991.88	-6,107.90	394.99	272.81	122.19	3.233	
13,400.00	7,083.00	7,238.59	7,009.87	221.56	39.47	74.75	-992.17	-6,107.93	485.42	378.41	107.01	4.536	
13,500.00	7,083.00	7,232.00	7,003.45	224.97	39.43	72.73	-993.69	-6,108.04	579.03	482.68	96.35	6.010	
13,600.00	7,083.00	7,232.00	7,003.45	228.39	39.43	72.73	-993.69	-6,108.04	674.44	584.99	89.45	7.540	
13,700.00	7,083.00	7,232.00	7,003.45	231.80	39.43	72.73	-993.69	-6,108.04	771.01	686.41	84.60	9.113	
13,800.00	7,083.00	7,232.00	7,003.45	235.22	39.43	72.73	-993.69	-6,108.04	868.36	787.23	81.14	10.702	
13,900.00	7,083.00	7,232.00	7,003.45	238.64	39.43	72.73	-993.69	-6,108.04	966.26	887.62	78.63	12.288	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Front Range 11-17-7 - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 128-MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,900.00	7,083.00	7,500.44	7,160.21	136.76	49.77	108.50	-894.87	-4,975.37	972.78	858.58	114.19	8.519	
11,000.00	7,083.00	7,483.81	7,144.12	140.12	49.66	105.82	-898.00	-4,978.17	878.51	759.76	118.75	7.398	
11,100.00	7,083.00	7,466.80	7,127.68	143.48	49.55	102.95	-901.30	-4,981.08	785.31	661.00	124.31	6.317	
11,200.00	7,083.00	7,449.39	7,110.89	146.85	49.44	99.88	-904.79	-4,984.09	693.59	562.41	131.18	5.287	
11,300.00	7,083.00	7,431.57	7,093.74	150.22	49.33	96.61	-908.48	-4,987.20	604.00	464.20	139.80	4.321	
11,400.00	7,083.00	7,413.33	7,076.22	153.60	49.21	93.13	-912.38	-4,990.43	517.64	366.96	150.67	3.435	
11,500.00	7,083.00	7,394.66	7,058.32	156.98	49.09	89.44	-916.50	-4,993.77	436.39	272.10	164.29	2.656	
11,600.00	7,083.00	7,375.82	7,040.29	160.36	48.97	85.62	-920.79	-4,997.18	363.67	183.27	180.40	2.016	
11,700.00	7,083.00	7,357.69	7,022.95	163.74	48.85	81.86	-924.95	-5,000.44	305.65	109.70	195.96	1.560	
11,800.00	7,083.00	7,340.01	7,006.03	167.13	48.73	78.14	-929.02	-5,003.58	271.96	70.40	201.57	1.349 Level 3, ES, SF	
11,850.32	7,083.00	7,331.28	6,997.68	168.84	48.67	76.30	-931.03	-5,005.12	267.41	70.45	196.96	1.358 Level 3, CC	
11,900.00	7,083.00	7,322.77	6,989.53	170.52	48.61	74.51	-932.99	-5,006.61	271.85	84.42	187.43	1.450 Level 3	
12,000.00	7,083.00	7,305.94	6,973.42	173.91	48.50	70.97	-936.87	-5,009.53	305.39	144.29	161.10	1.896	
12,100.00	7,083.00	7,289.51	6,957.69	177.31	48.38	67.55	-940.67	-5,012.34	363.40	226.53	136.86	2.655	
12,200.00	7,083.00	7,273.48	6,942.32	180.70	48.28	64.27	-944.39	-5,015.06	436.25	317.61	118.64	3.677	
12,300.00	7,083.00	7,257.00	6,926.54	184.10	48.16	60.98	-948.21	-5,017.82	517.74	412.30	105.43	4.911	
12,400.00	7,083.00	7,240.03	6,910.28	187.50	48.05	57.70	-952.15	-5,020.66	604.36	508.47	95.89	6.303	
12,500.00	7,083.00	7,221.50	6,892.54	190.90	47.92	54.26	-956.46	-5,023.82	694.15	605.26	88.89	7.809	
12,600.00	7,083.00	7,202.31	6,874.18	194.30	47.79	50.86	-960.94	-5,027.15	786.00	702.26	83.75	9.385	
12,700.00	7,083.00	7,182.42	6,855.16	197.70	47.66	47.52	-965.58	-5,030.66	879.26	799.30	79.96	10.997	
12,800.00	7,083.00	7,161.80	6,835.45	201.11	47.52	44.28	-970.40	-5,034.36	973.49	896.33	77.16	12.617	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 126-MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.00	7,083.00	7,915.01	7,202.57	90.41	75.50	115.99	-897.68	-3,577.25	988.30	871.18	117.12	8.438	
9,600.00	7,083.00	7,897.90	7,185.96	93.65	75.40	113.65	-899.63	-3,580.79	895.41	774.14	121.27	7.384	
9,700.00	7,083.00	7,879.94	7,168.53	96.91	75.30	111.07	-901.75	-3,584.60	803.77	677.47	126.29	6.364	
9,800.00	7,083.00	7,861.07	7,150.25	100.18	75.19	108.23	-904.04	-3,588.70	713.82	581.38	132.44	5.390	
9,900.00	7,083.00	7,848.00	7,137.62	103.46	75.12	106.18	-905.67	-3,591.61	626.30	486.16	140.14	4.469	
10,000.00	7,083.00	7,822.56	7,113.08	106.76	74.95	102.03	-908.96	-3,597.47	542.23	392.83	149.40	3.629	
10,100.00	7,083.00	7,801.47	7,092.82	110.06	74.80	98.43	-911.79	-3,602.59	463.53	302.79	160.74	2.884	
10,200.00	7,083.00	7,778.35	7,070.69	113.37	74.64	94.34	-915.02	-3,608.47	393.23	219.68	173.55	2.266	
10,300.00	7,083.00	7,752.89	7,046.44	116.70	74.46	89.70	-918.71	-3,615.26	336.38	151.17	185.21	1.816	
10,400.00	7,083.00	7,724.75	7,019.76	120.02	74.27	84.46	-922.96	-3,623.15	300.36	111.29	189.08	1.589 SF	
10,475.41	7,083.00	7,701.38	6,997.70	122.54	74.08	80.07	-926.63	-3,629.94	291.63	109.75	181.87	1.603 CC, ES	
10,500.00	7,083.00	7,693.55	6,990.33	123.36	74.02	78.60	-927.89	-3,632.24	292.57	115.12	177.45	1.649	
10,600.00	7,083.00	7,660.72	6,959.48	126.70	73.75	72.47	-933.35	-3,642.06	314.80	162.19	152.61	2.063	
10,700.00	7,083.00	7,626.16	6,927.14	130.05	73.47	66.21	-939.40	-3,652.66	361.36	235.07	126.28	2.862	
10,800.00	7,083.00	7,590.50	6,893.94	133.40	73.16	60.05	-945.97	-3,663.89	424.12	317.94	106.18	3.994	
10,900.00	7,083.00	7,556.61	6,862.47	136.76	72.86	54.56	-952.46	-3,674.66	497.00	404.03	92.97	5.346	
11,000.00	7,083.00	7,522.59	6,830.95	140.12	72.55	49.45	-959.22	-3,685.51	576.20	491.66	84.54	6.816	
11,100.00	7,083.00	7,488.41	6,799.33	143.48	72.25	44.75	-966.25	-3,696.43	659.42	580.30	79.12	8.334	
11,200.00	7,083.00	7,454.36	6,767.90	146.85	71.94	40.49	-973.48	-3,707.35	745.33	669.70	75.63	9.855	
11,300.00	7,083.00	7,420.42	6,736.62	150.22	71.62	36.63	-980.91	-3,718.25	833.08	759.69	73.40	11.350	
11,400.00	7,083.00	7,386.40	6,705.33	153.60	71.31	33.13	-988.56	-3,729.18	922.17	850.14	72.03	12.802	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 7374-APC_2° CONE_2.448												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,200.00	7,083.00	2,326.00	2,326.00	51.26	41.34	90.00	-818.83	-2,203.60	948.60	861.81	86.79	10.930	
8,300.00	7,083.00	2,326.00	2,326.00	53.89	41.34	90.00	-818.83	-2,203.60	860.01	770.95	89.07	9.656	
8,400.00	7,083.00	2,326.00	2,326.00	56.63	41.34	90.00	-818.83	-2,203.60	774.22	682.39	91.83	8.431	
8,500.00	7,083.00	2,326.00	2,326.00	59.45	41.34	90.00	-818.83	-2,203.60	692.24	597.06	95.18	7.273	
8,600.00	7,083.00	2,326.00	2,326.00	62.35	41.34	90.00	-818.83	-2,203.60	615.62	516.44	99.18	6.207	
8,700.00	7,083.00	2,326.00	2,326.00	65.32	41.34	90.00	-818.83	-2,203.60	546.60	442.83	103.76	5.268	
8,800.00	7,083.00	2,326.00	2,326.00	68.33	41.34	90.00	-818.83	-2,203.60	488.42	379.85	108.58	4.498	
8,900.00	7,083.00	2,326.00	2,326.00	71.39	41.34	90.00	-818.83	-2,203.60	445.36	332.64	112.72	3.951	
9,000.00	7,083.00	2,326.00	2,326.00	74.49	41.34	90.00	-818.83	-2,203.60	422.05	307.28	114.77	3.677	
9,051.07	7,083.00	2,326.00	2,326.00	76.09	41.34	90.00	-818.83	-2,203.60	418.95	304.36	114.59	3.656 CC, ES, SF	
9,100.00	7,083.00	2,326.00	2,326.00	77.63	41.34	90.00	-818.83	-2,203.60	421.80	308.22	113.58	3.714	
9,200.00	7,083.00	2,326.00	2,326.00	80.79	41.34	90.00	-818.83	-2,203.60	444.64	335.29	109.35	4.066	
9,300.00	7,083.00	2,326.00	2,326.00	83.97	41.34	90.00	-818.83	-2,203.60	487.33	383.79	103.53	4.707	
9,400.00	7,083.00	2,326.00	2,326.00	87.18	41.34	90.00	-818.83	-2,203.60	545.23	447.62	97.61	5.586	
9,500.00	7,083.00	2,326.00	2,326.00	90.41	41.34	90.00	-818.83	-2,203.60	614.05	521.67	92.38	6.647	
9,600.00	7,083.00	2,326.00	2,326.00	93.65	41.34	90.00	-818.83	-2,203.60	690.54	602.46	88.08	7.840	
9,700.00	7,083.00	2,326.00	2,326.00	96.91	41.34	90.00	-818.83	-2,203.60	772.42	687.75	84.67	9.123	
9,800.00	7,083.00	2,326.00	2,326.00	100.18	41.34	90.00	-818.83	-2,203.60	858.15	776.15	82.00	10.466	
9,900.00	7,083.00	2,326.00	2,326.00	103.46	41.34	90.00	-818.83	-2,203.60	946.68	866.77	79.91	11.846	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 7427-APC_2° CONE_2.448												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	37.85	480.87	373.66	609.67				
100.00	100.00	71.00	71.00	3.28	3.51	37.85	480.87	373.66	608.98	602.18	6.79	89.626	
200.00	200.00	171.00	171.00	3.30	4.47	37.85	480.87	373.66	608.98	601.21	7.77	78.407	
300.00	300.00	271.00	271.00	3.34	5.81	37.85	480.87	373.66	608.98	599.82	9.16	66.488	
400.00	400.00	371.00	371.00	3.41	7.35	37.85	480.87	373.66	608.98	598.22	10.75	56.624	
500.00	500.00	471.00	471.00	3.49	8.97	37.85	480.87	373.66	608.98	596.52	12.46	48.875	
600.00	600.00	571.00	571.00	3.60	10.63	37.85	480.87	373.66	608.98	594.75	14.23	42.788	
700.00	700.00	671.00	671.00	3.72	12.33	37.85	480.87	373.66	608.98	592.93	16.05	37.939	
800.00	800.00	771.00	771.00	3.86	14.05	37.85	480.87	373.66	608.98	591.07	17.90	34.013	
900.00	900.00	871.00	871.00	4.01	15.78	37.85	480.87	373.66	608.98	589.19	19.78	30.781	
1,000.00	1,000.00	971.00	971.00	4.17	17.51	37.85	480.87	373.66	608.98	587.29	21.69	28.083	
1,100.00	1,100.00	1,071.00	1,071.00	4.35	19.26	37.85	480.87	373.66	608.98	585.37	23.60	25.800	
1,200.00	1,200.00	1,171.00	1,171.00	4.53	21.00	37.85	480.87	373.66	608.98	583.44	25.54	23.847	
1,300.00	1,300.00	1,271.00	1,271.00	4.73	22.76	37.85	480.87	373.66	608.98	581.50	27.48	22.159	
1,400.00	1,400.00	1,371.00	1,371.00	4.93	24.51	37.85	480.87	373.66	608.98	579.54	29.44	20.686	
1,500.00	1,500.00	1,471.00	1,471.00	5.14	26.27	37.85	480.87	373.66	608.98	577.57	31.40	19.392	
1,600.00	1,600.00	1,571.00	1,571.00	5.35	28.02	37.85	480.87	373.66	608.98	575.60	33.38	18.245	
1,700.00	1,700.00	1,671.00	1,671.00	5.57	29.79	37.85	480.87	373.66	608.98	573.62	35.36	17.223	
1,800.00	1,800.00	1,771.00	1,771.00	5.80	31.55	37.85	480.87	373.66	608.98	571.63	37.34	16.307	
1,900.00	1,900.00	1,871.00	1,871.00	6.03	33.31	37.85	480.87	373.66	608.98	569.64	39.34	15.482 CC	
2,000.00	1,999.98	1,970.98	1,970.98	6.23	35.07	-148.90	480.87	373.66	610.47	569.17	41.30	14.781 ES	
2,100.00	2,099.84	2,070.84	2,070.84	6.41	36.83	-149.11	480.87	373.66	614.96	571.72	43.24	14.221	
2,200.00	2,199.45	2,170.45	2,170.45	6.60	38.59	-149.44	480.87	373.66	622.46	577.27	45.19	13.775	
2,300.00	2,298.70	2,269.70	2,269.70	6.80	40.34	-149.89	480.87	373.66	633.00	585.86	47.14	13.428	
2,400.00	2,397.47	2,368.47	2,368.47	7.03	42.09	-150.45	480.87	373.66	646.61	597.52	49.09	13.171	
2,500.00	2,495.62	2,466.62	2,466.62	7.29	43.82	-151.10	480.87	373.66	663.34	612.28	51.05	12.994	
2,600.00	2,593.06	2,564.06	2,564.06	7.60	45.54	-151.81	480.87	373.66	683.21	630.20	53.01	12.888	
2,700.00	2,689.78	2,660.78	2,660.78	7.96	47.25	-152.68	480.87	373.66	705.83	650.86	54.97	12.839	
2,800.00	2,786.41	2,757.41	2,757.41	8.36	48.96	-153.61	480.87	373.66	728.96	672.02	56.94	12.802	
2,900.00	2,883.04	2,854.04	2,854.04	8.80	50.67	-154.47	480.87	373.66	752.26	693.34	58.92	12.768	
3,000.00	2,979.66	2,950.66	2,950.66	9.26	52.38	-155.29	480.87	373.66	775.71	714.81	60.90	12.737	
3,100.00	3,076.29	3,047.29	3,047.29	9.74	54.09	-156.06	480.87	373.66	799.30	736.41	62.89	12.709	
3,200.00	3,172.92	3,143.92	3,143.92	10.24	55.79	-156.78	480.87	373.66	823.02	758.13	64.89	12.684	
3,300.00	3,269.55	3,240.55	3,240.55	10.76	57.50	-157.46	480.87	373.66	846.86	779.97	66.89	12.660	
3,400.00	3,366.18	3,337.18	3,337.18	11.30	59.21	-158.11	480.87	373.66	870.81	801.91	68.90	12.640	
3,500.00	3,462.81	3,433.81	3,433.81	11.85	60.92	-158.72	480.87	373.66	894.86	823.95	70.90	12.621	
3,600.00	3,559.44	3,530.44	3,530.44	12.40	62.63	-159.30	480.87	373.66	919.00	846.08	72.92	12.604	
3,700.00	3,656.07	3,627.07	3,627.07	12.97	64.34	-159.85	480.87	373.66	943.22	868.29	74.93	12.588	
3,800.00	3,752.70	3,723.70	3,723.70	13.55	66.05	-160.37	480.87	373.66	967.53	890.58	76.95	12.574	
3,900.00	3,849.33	3,820.33	3,820.33	14.14	67.76	-160.87	480.87	373.66	991.90	912.94	78.97	12.561 SF	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 7373-APC_2° CONE_2.448												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	161.47	-703.08	235.64	742.00				
100.00	100.00	73.00	73.00	3.28	3.53	161.47	-703.08	235.64	741.51	734.71	6.81	108.930	
200.00	200.00	173.00	173.00	3.30	4.49	161.47	-703.08	235.64	741.51	733.72	7.79	95.184	
300.00	300.00	273.00	273.00	3.34	5.84	161.47	-703.08	235.64	741.51	732.33	9.19	80.712	
400.00	400.00	373.00	373.00	3.41	7.38	161.47	-703.08	235.64	741.51	730.73	10.78	68.756	
500.00	500.00	473.00	473.00	3.49	9.00	161.47	-703.08	235.64	741.51	729.02	12.49	59.366	
600.00	600.00	573.00	573.00	3.60	10.67	161.47	-703.08	235.64	741.51	727.25	14.26	51.987	
700.00	700.00	673.00	673.00	3.72	12.36	161.47	-703.08	235.64	741.51	725.43	16.08	46.107	
800.00	800.00	773.00	773.00	3.86	14.08	161.47	-703.08	235.64	741.51	723.58	17.94	41.344	
900.00	900.00	873.00	873.00	4.01	15.81	161.47	-703.08	235.64	741.51	721.70	19.81	37.423	
1,000.00	1,000.00	973.00	973.00	4.17	17.54	161.47	-703.08	235.64	741.51	719.80	21.72	34.147	
1,100.00	1,100.00	1,073.00	1,073.00	4.35	19.29	161.47	-703.08	235.64	741.51	717.88	23.63	31.376	
1,200.00	1,200.00	1,173.00	1,173.00	4.53	21.03	161.47	-703.08	235.64	741.51	715.95	25.57	29.004	
1,300.00	1,300.00	1,273.00	1,273.00	4.73	22.78	161.47	-703.08	235.64	741.51	714.00	27.51	26.953	
1,400.00	1,400.00	1,373.00	1,373.00	4.93	24.54	161.47	-703.08	235.64	741.51	712.05	29.47	25.164	
1,500.00	1,500.00	1,473.00	1,473.00	5.14	26.29	161.47	-703.08	235.64	741.51	710.08	31.43	23.591	
1,600.00	1,600.00	1,573.00	1,573.00	5.35	28.05	161.47	-703.08	235.64	741.51	708.11	33.41	22.198	
1,700.00	1,700.00	1,673.00	1,673.00	5.57	29.81	161.47	-703.08	235.64	741.51	706.13	35.38	20.956	
1,800.00	1,800.00	1,773.00	1,773.00	5.80	31.57	161.47	-703.08	235.64	741.51	704.14	37.37	19.842	
1,900.00	1,900.00	1,873.00	1,873.00	6.03	33.34	161.47	-703.08	235.64	741.51	702.15	39.36	18.839	
2,000.00	1,999.98	1,972.98	1,972.98	6.23	35.10	-25.28	-703.08	235.64	739.93	698.61	41.33	17.905	
2,100.00	2,099.84	2,072.84	2,072.84	6.41	36.86	-25.49	-703.08	235.64	735.21	691.94	43.27	16.992	
2,200.00	2,199.45	2,172.45	2,172.45	6.60	38.62	-25.86	-703.08	235.64	727.34	682.13	45.21	16.087	
2,300.00	2,298.70	2,271.70	2,271.70	6.80	40.37	-26.38	-703.08	235.64	716.39	669.22	47.16	15.189	
2,400.00	2,397.47	2,370.47	2,370.47	7.03	42.11	-27.07	-703.08	235.64	702.38	653.26	49.12	14.300	
2,500.00	2,495.62	2,468.62	2,468.62	7.29	43.85	-27.96	-703.08	235.64	685.39	634.32	51.08	13.419	
2,600.00	2,593.06	2,566.06	2,566.06	7.60	45.57	-29.06	-703.08	235.64	665.51	612.47	53.04	12.547	
2,700.00	2,689.78	2,662.78	2,662.78	7.96	47.28	-30.25	-703.08	235.64	643.27	588.26	55.01	11.693	
2,800.00	2,786.41	2,759.41	2,759.41	8.36	48.98	-31.44	-703.08	235.64	620.97	563.97	57.00	10.894	
2,900.00	2,883.04	2,856.04	2,856.04	8.80	50.69	-32.71	-703.08	235.64	598.95	539.93	59.02	10.149	
3,000.00	2,979.66	2,952.66	2,952.66	9.26	52.40	-34.08	-703.08	235.64	577.23	516.18	61.05	9.455	
3,100.00	3,076.29	3,049.29	3,049.29	9.74	54.11	-35.55	-703.08	235.64	555.86	492.75	63.11	8.807	
3,200.00	3,172.92	3,145.92	3,145.92	10.24	55.82	-37.13	-703.08	235.64	534.88	469.67	65.20	8.203	
3,300.00	3,269.55	3,242.55	3,242.55	10.76	57.52	-38.84	-703.08	235.64	514.32	447.00	67.32	7.640	
3,400.00	3,366.18	3,339.18	3,339.18	11.30	59.23	-40.68	-703.08	235.64	494.26	424.79	69.47	7.115	
3,500.00	3,462.81	3,435.81	3,435.81	11.85	60.94	-42.68	-703.08	235.64	474.74	403.09	71.65	6.626	
3,600.00	3,559.44	3,532.44	3,532.44	12.40	62.65	-44.84	-703.08	235.64	455.84	381.97	73.87	6.171	
3,700.00	3,656.07	3,629.07	3,629.07	12.97	64.36	-47.17	-703.08	235.64	437.64	361.52	76.12	5.749	
3,800.00	3,752.70	3,725.70	3,725.70	13.55	66.07	-49.70	-703.08	235.64	420.23	341.82	78.41	5.359	
3,900.00	3,849.33	3,822.33	3,822.33	14.14	67.78	-52.43	-703.08	235.64	403.71	322.96	80.74	5.000	
4,000.00	3,945.96	3,918.96	3,918.96	14.73	69.49	-55.37	-703.08	235.64	388.19	305.08	83.11	4.671	
4,100.00	4,042.59	4,015.59	4,015.59	15.32	71.20	-58.54	-703.08	235.64	373.81	288.29	85.52	4.371	
4,200.00	4,139.21	4,112.21	4,112.21	15.93	72.91	-61.94	-703.08	235.64	360.69	272.73	87.97	4.100	
4,300.00	4,235.84	4,208.84	4,208.84	16.53	74.62	-65.57	-703.08	235.64	348.99	258.55	90.44	3.859	
4,400.00	4,332.47	4,305.47	4,305.47	17.15	76.33	-69.42	-703.08	235.64	338.83	245.91	92.93	3.646	
4,500.00	4,429.10	4,402.10	4,402.10	17.76	78.04	-73.47	-703.08	235.64	330.38	234.96	95.42	3.462	
4,600.00	4,525.73	4,498.73	4,498.73	18.38	79.75	-77.70	-703.08	235.64	323.76	225.85	97.90	3.307	
4,700.00	4,622.36	4,595.36	4,595.36	19.00	81.46	-82.07	-703.08	235.64	319.08	218.72	100.36	3.179	
4,800.00	4,718.99	4,691.99	4,691.99	19.62	83.17	-86.54	-703.08	235.64	316.44	213.67	102.77	3.079	
4,876.76	4,793.17	4,766.17	4,766.17	20.11	84.48	-90.00	-703.08	235.64	315.82	211.24	104.58	3.020 CC	
4,900.00	4,815.62	4,788.62	4,788.62	20.25	84.88	-91.05	-703.08	235.64	315.88	210.75	105.13	3.005	
5,000.00	4,912.25	4,885.25	4,885.25	20.88	86.59	-95.54	-703.08	235.64	317.41	210.00	107.41	2.955 ES	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 7373-APC_2° CONE_2.448												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,008.88	4,981.88	4,981.88	21.51	88.30	-99.97	-703.08	235.64	321.01	211.39	109.61	2.929	
5,200.00	5,105.51	5,078.51	5,078.51	22.14	90.01	-104.28	-703.08	235.64	326.60	214.86	111.74	2.923 SF	
5,300.00	5,202.14	5,175.14	5,175.14	22.78	91.72	-108.44	-703.08	235.64	334.09	220.29	113.80	2.936	
5,400.00	5,298.76	5,271.76	5,271.76	23.41	93.43	-112.40	-703.08	235.64	343.35	227.56	115.79	2.965	
5,500.00	5,395.39	5,368.39	5,368.39	24.05	95.14	-116.15	-703.08	235.64	354.24	236.51	117.73	3.009	
5,600.00	5,492.02	5,465.02	5,465.02	24.69	96.85	-119.67	-703.08	235.64	366.62	247.00	119.62	3.065	
5,700.00	5,588.65	5,561.65	5,561.65	25.33	98.56	-122.96	-703.08	235.64	380.34	258.86	121.48	3.131	
5,800.00	5,685.28	5,658.28	5,658.28	25.97	100.27	-126.03	-703.08	235.64	395.27	271.95	123.32	3.205	
5,900.00	5,781.91	5,754.91	5,754.91	26.61	101.98	-128.87	-703.08	235.64	411.27	286.12	125.14	3.286	
6,000.00	5,878.54	5,851.54	5,851.54	27.26	103.69	-131.50	-703.08	235.64	428.21	301.25	126.96	3.373	
6,100.00	5,975.17	5,948.17	5,948.17	27.90	105.40	-133.94	-703.08	235.64	446.00	317.23	128.77	3.464	
6,200.00	6,071.80	6,044.80	6,044.80	28.54	107.11	-136.19	-703.08	235.64	464.54	333.95	130.59	3.557	
6,300.00	6,168.43	6,141.43	6,141.43	29.19	108.82	-138.27	-703.08	235.64	483.74	351.33	132.41	3.653	
6,400.00	6,265.06	6,238.06	6,238.06	29.84	110.53	-140.19	-703.08	235.64	503.52	369.28	134.23	3.751	
6,500.00	6,361.68	6,334.68	6,334.68	30.48	112.24	-141.97	-703.08	235.64	523.82	387.75	136.07	3.850	
6,600.00	6,458.31	6,431.31	6,431.31	31.13	113.95	-143.62	-703.08	235.64	544.58	406.66	137.91	3.949	
6,700.00	6,554.68	6,527.68	6,527.68	31.74	115.66	-168.68	-703.08	235.64	568.44	428.67	139.78	4.067	
6,800.00	6,648.90	6,621.90	6,621.90	32.34	117.33	168.97	-703.08	235.64	601.62	459.91	141.72	4.245	
6,900.00	6,738.66	6,711.66	6,711.66	32.95	118.92	155.90	-703.08	235.64	643.66	499.99	143.67	4.480	
7,000.00	6,821.75	6,794.75	6,794.75	33.59	120.39	147.40	-703.08	235.64	694.17	548.60	145.57	4.769	
7,100.00	6,896.12	6,869.12	6,869.12	34.26	121.71	140.77	-703.08	235.64	752.86	605.54	147.33	5.110	
7,200.00	6,959.94	6,932.94	6,932.94	34.99	122.84	134.41	-703.08	235.64	819.31	670.42	148.89	5.503	
7,300.00	7,011.63	6,984.63	6,984.63	35.81	123.75	127.10	-703.08	235.64	892.75	742.54	150.21	5.943	
7,400.00	7,049.93	7,022.93	7,022.93	36.74	124.43	117.80	-703.08	235.64	972.02	820.77	151.25	6.427	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Lorenz 1-D - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 7320-APC_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	7,083.00	7,036.00	7,036.00	245.47	124.69	-90.00	-2,096.42	-7,574.94	994.89	642.44	352.45	2.823	
14,200.00	7,083.00	7,036.00	7,036.00	248.89	124.69	-90.00	-2,096.42	-7,574.94	969.41	605.78	363.64	2.666	
14,300.00	7,083.00	7,036.00	7,036.00	252.31	124.69	-90.00	-2,096.42	-7,574.94	953.79	580.90	372.89	2.558	
14,400.00	7,083.00	7,036.00	7,036.00	255.73	124.69	-90.00	-2,096.42	-7,574.94	948.51	568.81	379.69	2.498	
14,400.24	7,083.00	7,036.00	7,036.00	255.74	124.69	-90.00	-2,096.42	-7,574.94	948.51	568.80	379.71	2.498 CC, ES	
14,500.00	7,083.00	7,036.00	7,036.00	259.15	124.69	-90.00	-2,096.42	-7,574.94	953.74	570.01	383.73	2.485 SF	
14,547.50	7,083.00	7,036.00	7,036.00	260.77	124.69	-90.00	-2,096.42	-7,574.94	959.87	575.22	384.65	2.495	

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



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Smits 16-12I6 - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-NS-GYRO-MS												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,500.00	7,083.00	7,024.04	7,022.61	59.45	15.63	-87.42	-2,137.19	-2,064.18	978.68	917.86	60.82	16.092	
8,600.00	7,083.00	7,023.93	7,022.50	62.35	15.63	-87.41	-2,137.19	-2,064.18	943.34	876.71	66.63	14.157	
8,700.00	7,083.00	7,023.80	7,022.38	65.32	15.63	-87.41	-2,137.18	-2,064.18	917.60	844.91	72.69	12.624	
8,800.00	7,083.00	7,023.68	7,022.25	68.33	15.63	-87.40	-2,137.18	-2,064.18	902.26	823.60	78.66	11.471	
8,889.57	7,083.00	7,023.57	7,022.14	71.07	15.63	-87.39	-2,137.17	-2,064.18	897.80	814.12	83.68	10.729 CC	
8,900.00	7,083.00	7,023.56	7,022.13	71.39	15.63	-87.39	-2,137.17	-2,064.18	897.86	813.63	84.23	10.659 ES	
9,000.00	7,083.00	7,023.43	7,022.00	74.49	15.63	-87.38	-2,137.16	-2,064.18	904.57	815.43	89.13	10.148	
9,100.00	7,083.00	7,023.30	7,021.87	77.63	15.63	-87.37	-2,137.16	-2,064.18	922.13	828.94	93.19	9.895	
9,200.00	7,083.00	7,023.16	7,021.73	80.79	15.63	-87.37	-2,137.15	-2,064.18	949.95	853.63	96.33	9.862 SF	
9,300.00	7,083.00	7,023.03	7,021.60	83.97	15.63	-87.36	-2,137.15	-2,064.18	987.17	888.59	98.58	10.014	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 7435-APC_2° CONE 2.448												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
3,100.00	3,076.29	3,052.29	3,052.29	9.74	54.17	55.00	-695.05	-887.35	988.56	925.02	63.54	15.558	
3,200.00	3,172.92	3,148.92	3,148.92	10.24	55.88	56.21	-695.05	-887.35	973.68	907.98	65.70	14.820	
3,300.00	3,269.55	3,245.55	3,245.55	10.76	57.59	57.46	-695.05	-887.35	959.26	891.37	67.89	14.130	
3,400.00	3,366.18	3,342.18	3,342.18	11.30	59.30	58.74	-695.05	-887.35	945.31	875.22	70.09	13.486	
3,500.00	3,462.81	3,438.81	3,438.81	11.85	61.01	60.06	-695.05	-887.35	931.87	859.55	72.33	12.884	
3,600.00	3,559.44	3,535.44	3,535.44	12.40	62.72	61.42	-695.05	-887.35	918.96	844.38	74.58	12.322	
3,700.00	3,656.07	3,632.07	3,632.07	12.97	64.43	62.81	-695.05	-887.35	906.59	829.74	76.85	11.797	
3,800.00	3,752.70	3,728.70	3,728.70	13.55	66.14	64.23	-695.05	-887.35	894.79	815.65	79.14	11.307	
3,900.00	3,849.33	3,825.33	3,825.33	14.14	67.85	65.70	-695.05	-887.35	883.59	802.14	81.45	10.849	
4,000.00	3,945.96	3,921.96	3,921.96	14.73	69.56	67.19	-695.05	-887.35	873.00	789.23	83.77	10.422	
4,100.00	4,042.59	4,018.59	4,018.59	15.32	71.27	68.72	-695.05	-887.35	863.05	776.94	86.10	10.023	
4,200.00	4,139.21	4,115.21	4,115.21	15.93	72.98	70.28	-695.05	-887.35	853.76	765.30	88.45	9.652	
4,300.00	4,235.84	4,211.84	4,211.84	16.53	74.69	71.88	-695.05	-887.35	845.15	754.34	90.81	9.307	
4,400.00	4,332.47	4,308.47	4,308.47	17.15	76.40	73.50	-695.05	-887.35	837.25	744.07	93.18	8.985	
4,500.00	4,429.10	4,405.10	4,405.10	17.76	78.11	75.15	-695.05	-887.35	830.07	734.51	95.56	8.687	
4,600.00	4,525.73	4,501.73	4,501.73	18.38	79.82	76.83	-695.05	-887.35	823.63	725.69	97.94	8.410	
4,700.00	4,622.36	4,598.36	4,598.36	19.00	81.53	78.53	-695.05	-887.35	817.95	717.63	100.32	8.153	
4,800.00	4,718.99	4,694.99	4,694.99	19.62	83.24	80.25	-695.05	-887.35	813.05	710.34	102.70	7.916	
4,900.00	4,815.62	4,791.62	4,791.62	20.25	84.95	81.98	-695.05	-887.35	808.93	703.85	105.09	7.698	
5,000.00	4,912.25	4,888.25	4,888.25	20.88	86.66	83.74	-695.05	-887.35	805.62	698.15	107.47	7.496	
5,100.00	5,008.88	4,984.88	4,984.88	21.51	88.37	85.50	-695.05	-887.35	803.13	693.28	109.84	7.312	
5,200.00	5,105.51	5,081.51	5,081.51	22.14	90.08	87.27	-695.05	-887.35	801.45	689.24	112.21	7.142	
5,300.00	5,202.14	5,178.14	5,178.14	22.78	91.80	89.05	-695.05	-887.35	800.59	686.02	114.57	6.988	
5,353.17	5,253.52	5,229.52	5,229.52	23.12	92.71	90.00	-695.05	-887.35	800.48	684.66	115.82	6.911	
5,400.00	5,298.76	5,274.76	5,274.76	23.41	93.51	90.83	-695.05	-887.35	800.57	683.65	116.92	6.847	
5,500.00	5,395.39	5,371.39	5,371.39	24.05	95.22	92.61	-695.05	-887.35	801.37	682.11	119.25	6.720	
5,600.00	5,492.02	5,468.02	5,468.02	24.69	96.93	94.39	-695.05	-887.35	802.99	681.42	121.57	6.605	
5,700.00	5,588.65	5,564.65	5,564.65	25.33	98.64	96.15	-695.05	-887.35	805.44	681.56	123.88	6.502	
5,800.00	5,685.28	5,661.28	5,661.28	25.97	100.35	97.91	-695.05	-887.35	808.70	682.53	126.17	6.410	
5,900.00	5,781.91	5,757.91	5,757.91	26.61	102.06	99.64	-695.05	-887.35	812.76	684.32	128.44	6.328	
6,000.00	5,878.54	5,854.54	5,854.54	27.26	103.77	101.37	-695.05	-887.35	817.61	686.92	130.70	6.256	
6,100.00	5,975.17	5,951.17	5,951.17	27.90	105.48	103.07	-695.05	-887.35	823.24	690.31	132.93	6.193	
6,200.00	6,071.80	6,047.80	6,047.80	28.54	107.19	104.74	-695.05	-887.35	829.63	694.49	135.15	6.139	
6,300.00	6,168.43	6,144.43	6,144.43	29.19	108.91	106.40	-695.05	-887.35	836.77	699.42	137.35	6.092	
6,400.00	6,265.06	6,241.06	6,241.06	29.84	110.62	108.02	-695.05	-887.35	844.63	705.10	139.52	6.054	
6,500.00	6,361.68	6,337.68	6,337.68	30.48	112.33	109.62	-695.05	-887.35	853.19	711.51	141.69	6.022	
6,600.00	6,458.31	6,434.31	6,434.31	31.13	114.04	111.18	-695.05	-887.35	862.44	718.61	143.83	5.996	
6,700.00	6,554.94	6,530.94	6,530.94	31.74	115.75	112.52	-695.05	-887.35	868.57	722.65	145.92	5.953	
6,800.00	6,648.90	6,624.90	6,624.90	32.34	117.41	114.17	-695.05	-887.35	874.34	727.38	147.96	5.828	
6,900.00	6,738.66	6,714.66	6,714.66	32.95	119.00	115.74	-695.05	-887.35	880.25	732.32	149.93	5.631	
7,000.00	6,821.75	6,797.75	6,797.75	33.59	120.47	117.19	-695.05	-887.35	886.25	737.00	151.79	5.374	
7,100.00	6,896.12	6,872.12	6,872.12	34.26	121.79	118.46	-695.05	-887.35	892.24	741.44	153.50	5.075	
7,200.00	6,959.94	6,935.94	6,935.94	34.99	122.92	119.69	-695.05	-887.35	898.24	745.84	155.01	4.752	
7,300.00	7,011.63	6,987.63	6,987.63	35.81	123.84	120.61	-695.05	-887.35	904.24	750.00	156.30	4.426	
7,400.00	7,049.93	7,025.93	7,025.93	36.74	124.52	121.36	-695.05	-887.35	910.24	754.00	157.32	4.121	
7,500.00	7,073.89	7,049.89	7,049.89	37.83	124.94	121.86	-695.05	-887.35	916.24	757.84	158.01	3.861	
7,600.00	7,082.93	7,058.93	7,058.93	39.09	125.10	122.10	-695.05	-887.35	922.24	761.84	158.29	3.672	
7,700.00	7,083.00	7,059.00	7,059.00	40.56	125.10	122.10	-695.05	-887.35	928.24	765.84	158.19	3.578	
7,737.08	7,083.00	7,059.00	7,059.00	41.17	125.10	122.10	-695.05	-887.35	934.24	769.84	158.11	3.572 CC, ES, SF	
7,800.00	7,083.00	7,059.00	7,059.00	42.28	125.10	122.10	-695.05	-887.35	940.24	773.84	157.87	3.600	
7,900.00	7,083.00	7,059.00	7,059.00	44.24	125.10	122.10	-695.05	-887.35	946.24	777.84	157.39	3.735	
8,000.00	7,083.00	7,059.00	7,059.00	46.41	125.10	122.10	-695.05	-887.35	952.24	781.84	156.85	3.972	

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

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Kawata Pad - Offset Wells - Weber-PM K 16-06 - Original Hole - Original Hole												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 7435-APC_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,100.00	7,083.00	7,059.00	7,059.00	48.75	125.10	90.00	-695.05	-887.35	671.33	515.00	156.33	4.294	
8,200.00	7,083.00	7,059.00	7,059.00	51.26	125.10	90.00	-695.05	-887.35	730.25	574.36	155.89	4.684	
8,300.00	7,083.00	7,059.00	7,059.00	53.89	125.10	90.00	-695.05	-887.35	797.40	641.86	155.54	5.127	
8,400.00	7,083.00	7,059.00	7,059.00	56.63	125.10	90.00	-695.05	-887.35	870.88	715.61	155.27	5.609	
8,500.00	7,083.00	7,059.00	7,059.00	59.45	125.10	90.00	-695.05	-887.35	949.22	794.14	155.08	6.121	

# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

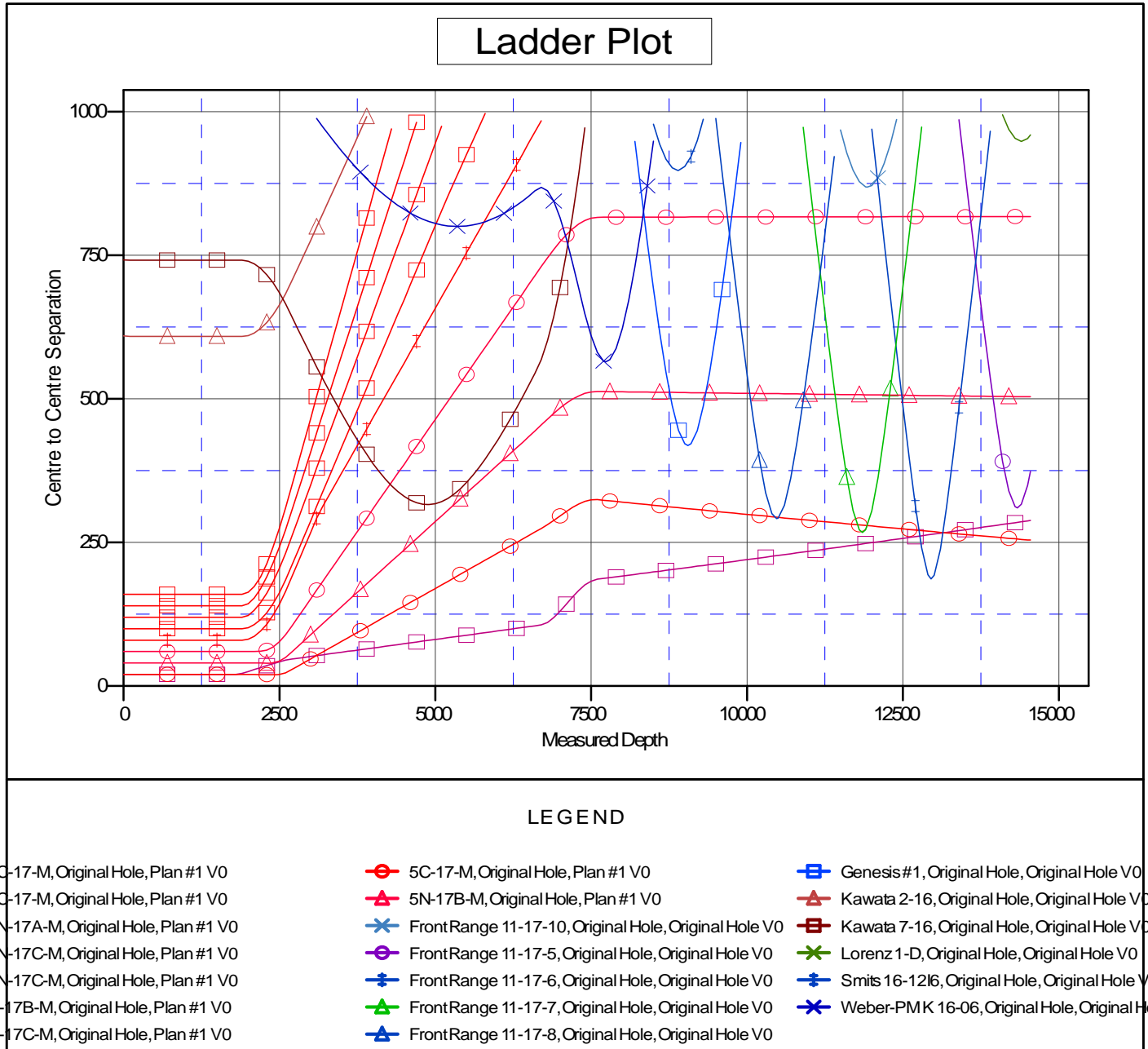
Reference Depths are relative to 4732'GL+25'KB @ 4757.00usft (PD 5 Coordinates are relative to: 32N-17B-M

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is 105.500000°W

Grid Convergence at Surface is: 0.46°



# Precision Drilling Corporation

## Anticollision Report

<b>Company:</b>	SYNERGY RESOURCES CORP.	<b>Local Co-ordinate Reference:</b>	Well 32N-17B-M
<b>Project:</b>	Weld County, CO NAD 83	<b>TVD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Reference Site:</b>	Kawata Pad	<b>MD Reference:</b>	4732'GL+25'KB @ 4757.00usft (PD 562)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	32N-17B-M	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	COMPASS_ROCKIES
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to 4732'GL+25'KB @ 4757.00usft (PD 5 Coordinates are relative to: 32N-17B-M  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105.500000°W Grid Convergence at Surface is: 0.46°

