



PROJECT DETAILS: Weld County, CO NAD 83

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
System Datum: Mean Sea Level  
Local North: True

Project: Weld County, CO NAD 83  
Site: SRC Williams  
Well: SRC Williams 12-4-5NM-C  
Wellbore: OH  
Design: Plan 1



Azimuths to True North  
Magnetic North: 8.59°



Plan: Plan 1 (SRC Williams 12-4-5NM-C/OH)

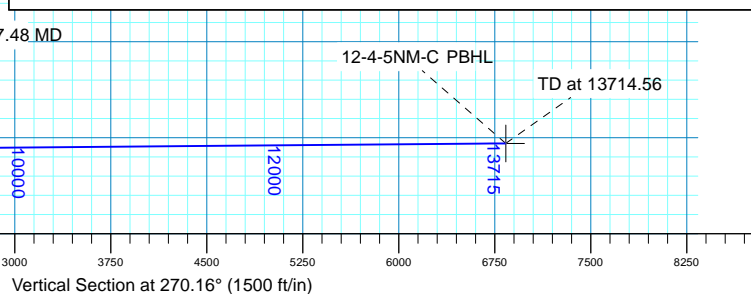
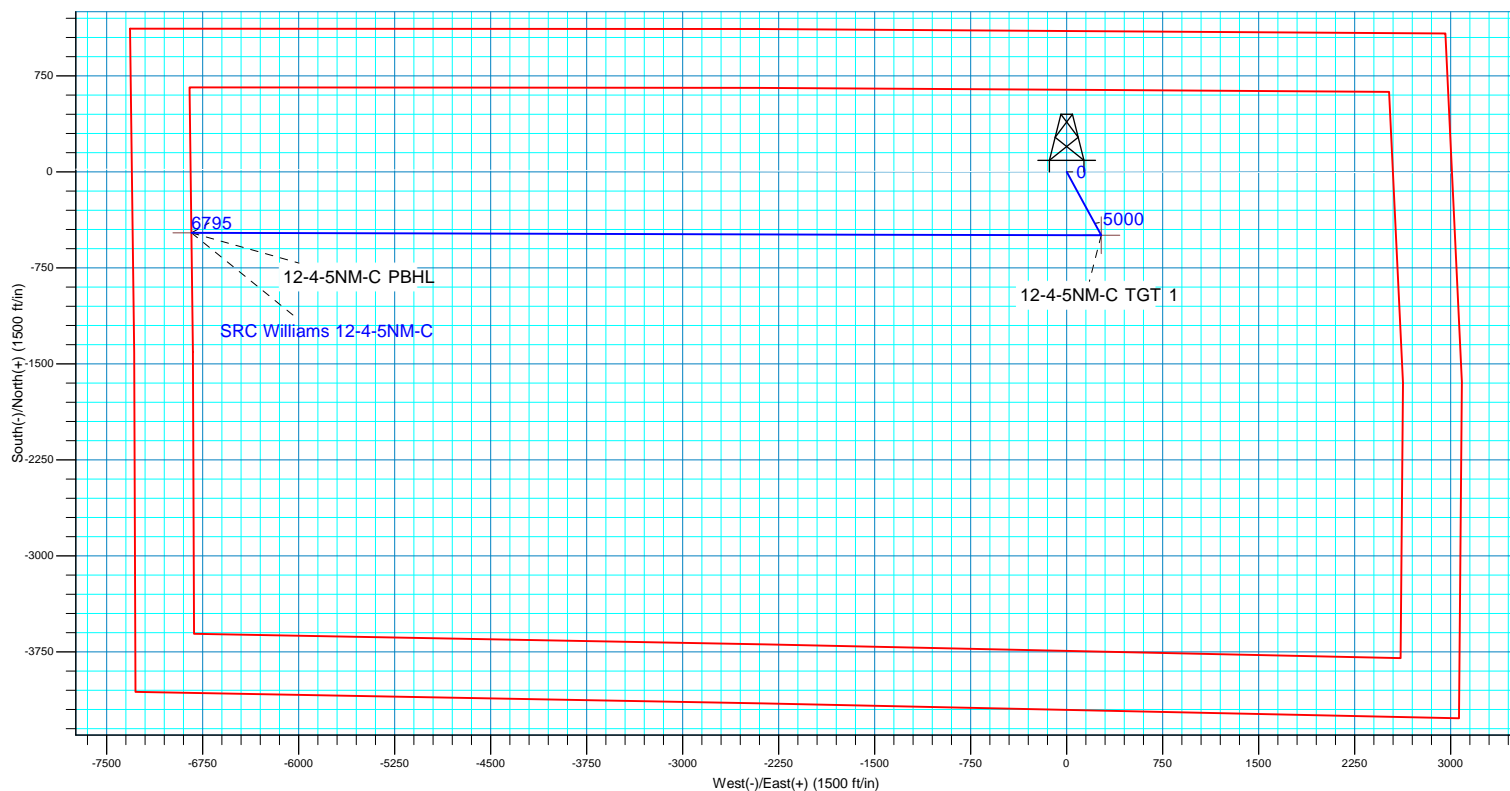
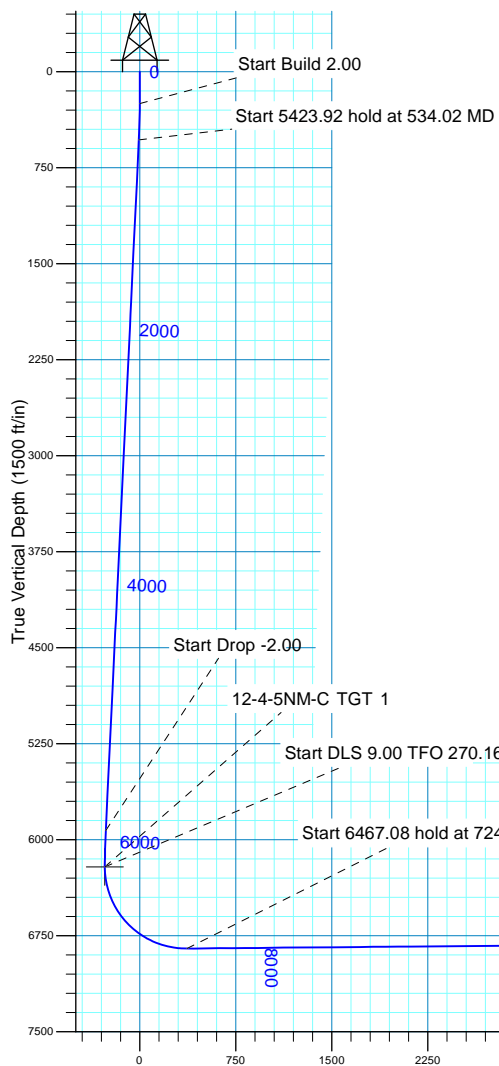
Created By: Seth Burstad Date: 11-24-2015

### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00
534.02	5.68	151.34	533.55	-12.34	6.75	2.00	151.34	-6.78
5957.95	5.68	151.34	5930.85	-483.45	264.19	0.00	0.00	-265.54
6241.96	0.00	0.00	6214.40	-495.79	270.93	2.00	180.00	-272.32
7247.48	90.50	270.16	6851.00	-493.96	-371.20	9.00	270.16	369.81
13714.56	90.50	270.16	6795.00	-475.54	-6838.01	0.00	0.00	6836.65

### WELL DETAILS: SRC Williams 12-4-5NM-C

		GL 494' & KB 13' @ 4807.00ft		4794.00	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1369450.35	3167898.68	40° 20' 45.517 N	104° 53' 51.468 W





## **Synergy Resources Corp.**

**Weld County, CO NAD 83**

**SRC Williams**

**SRC Williams 12-4-5NM-C**

**OH**

**Plan: Plan 1**

## **Standard Planning Report**

**24 November, 2015**



<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well SRC Williams 12-4-5NM-C
<b>Company:</b>	Synergy Resources Corp.	<b>TVD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Site:</b>	SRC Williams	<b>North Reference:</b>	True
<b>Well:</b>	SRC Williams 12-4-5NM-C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<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		SRC Williams, Site Center : 11-4-5CM			
Site Position:		Northing:	1,369,509.68 usft	Latitude:	40° 20' 46.104 N
From:	Lat/Long	Easting:	3,167,888.80 usft	Longitude:	104° 53' 51.590 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.39 °

Well	SRC Williams 12-4-5NM-C, 1100' FNL 2423' FWL Sec 4 T4N R67W					
Well Position	+N/-S	-59.40 ft	Northing:	1,369,450.35 usft	Latitude:	40° 20' 45.517 N
	+E/-W	9.48 ft	Easting:	3,167,898.68 usft	Longitude:	104° 53' 51.468 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,794.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2015	11/24/2015	8.59	66.88	52,527

<b>Design</b>	Plan 1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	270.16

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
534.02	5.68	151.34	533.55	-12.34	6.75	2.00	2.00	0.00	151.34	
5,957.95	5.68	151.34	5,930.85	-483.44	264.19	0.00	0.00	0.00	0.00	
6,241.96	0.00	0.00	6,214.40	-495.79	270.93	2.00	-2.00	0.00	180.00	12-4-5NM-C TGT 1
7,247.48	90.50	270.16	6,851.00	-493.96	-371.20	9.00	9.00	-8.93	270.16	
13,714.56	90.50	270.16	6,795.00	-475.53	-6,838.01	0.00	0.00	0.00	0.00	12-4-5NM-C PBHL

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well SRC Williams 12-4-5NM-C
<b>Company:</b>	Synergy Resources Corp.	<b>TVD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Site:</b>	SRC Williams	<b>North Reference:</b>	True
<b>Well:</b>	SRC Williams 12-4-5NM-C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	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
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
300.00	1.00	151.34	300.00	-0.38	0.21	-0.21	2.00	2.00	0.00
400.00	3.00	151.34	399.93	-3.45	1.88	-1.89	2.00	2.00	0.00
500.00	5.00	151.34	499.68	-9.57	5.23	-5.25	2.00	2.00	0.00
534.02	5.68	151.34	533.56	-12.34	6.75	-6.78	2.00	2.00	0.00
<b>Start 5423.92 hold at 534.02 MD</b>									
600.00	5.68	151.34	599.21	-18.08	9.88	-9.93	0.00	0.00	0.00
700.00	5.68	151.34	698.72	-26.76	14.62	-14.70	0.00	0.00	0.00
800.00	5.68	151.34	798.23	-35.45	19.37	-19.47	0.00	0.00	0.00
900.00	5.68	151.34	897.74	-44.13	24.12	-24.24	0.00	0.00	0.00
1,000.00	5.68	151.34	997.25	-52.82	28.86	-29.01	0.00	0.00	0.00
1,100.00	5.68	151.34	1,096.76	-61.50	33.61	-33.78	0.00	0.00	0.00
1,200.00	5.68	151.34	1,196.26	-70.19	38.36	-38.55	0.00	0.00	0.00
1,300.00	5.68	151.34	1,295.77	-78.87	43.10	-43.32	0.00	0.00	0.00
1,400.00	5.68	151.34	1,395.28	-87.56	47.85	-48.09	0.00	0.00	0.00
1,500.00	5.68	151.34	1,494.79	-96.25	52.60	-52.86	0.00	0.00	0.00
1,600.00	5.68	151.34	1,594.30	-104.93	57.34	-57.63	0.00	0.00	0.00
1,700.00	5.68	151.34	1,693.81	-113.62	62.09	-62.41	0.00	0.00	0.00
1,800.00	5.68	151.34	1,793.32	-122.30	66.83	-67.18	0.00	0.00	0.00
1,900.00	5.68	151.34	1,892.83	-130.99	71.58	-71.95	0.00	0.00	0.00
2,000.00	5.68	151.34	1,992.34	-139.67	76.33	-76.72	0.00	0.00	0.00
2,100.00	5.68	151.34	2,091.85	-148.36	81.07	-81.49	0.00	0.00	0.00
2,200.00	5.68	151.34	2,191.35	-157.04	85.82	-86.26	0.00	0.00	0.00
2,300.00	5.68	151.34	2,290.86	-165.73	90.57	-91.03	0.00	0.00	0.00
2,400.00	5.68	151.34	2,390.37	-174.41	95.31	-95.80	0.00	0.00	0.00
2,500.00	5.68	151.34	2,489.88	-183.10	100.06	-100.57	0.00	0.00	0.00
2,600.00	5.68	151.34	2,589.39	-191.79	104.81	-105.34	0.00	0.00	0.00
2,700.00	5.68	151.34	2,688.90	-200.47	109.55	-110.11	0.00	0.00	0.00
2,800.00	5.68	151.34	2,788.41	-209.16	114.30	-114.88	0.00	0.00	0.00
2,900.00	5.68	151.34	2,887.92	-217.84	119.05	-119.65	0.00	0.00	0.00
3,000.00	5.68	151.34	2,987.43	-226.53	123.79	-124.42	0.00	0.00	0.00
3,100.00	5.68	151.34	3,086.94	-235.21	128.54	-129.19	0.00	0.00	0.00
3,200.00	5.68	151.34	3,186.44	-243.90	133.28	-133.96	0.00	0.00	0.00
3,300.00	5.68	151.34	3,285.95	-252.58	138.03	-138.74	0.00	0.00	0.00
3,400.00	5.68	151.34	3,385.46	-261.27	142.78	-143.51	0.00	0.00	0.00
3,500.00	5.68	151.34	3,484.97	-269.96	147.52	-148.28	0.00	0.00	0.00
3,600.00	5.68	151.34	3,584.48	-278.64	152.27	-153.05	0.00	0.00	0.00
3,700.00	5.68	151.34	3,683.99	-287.33	157.02	-157.82	0.00	0.00	0.00
3,800.00	5.68	151.34	3,783.50	-296.01	161.76	-162.59	0.00	0.00	0.00
3,900.00	5.68	151.34	3,883.01	-304.70	166.51	-167.36	0.00	0.00	0.00
4,000.00	5.68	151.34	3,982.52	-313.38	171.26	-172.13	0.00	0.00	0.00
4,100.00	5.68	151.34	4,082.02	-322.07	176.00	-176.90	0.00	0.00	0.00
4,200.00	5.68	151.34	4,181.53	-330.75	180.75	-181.67	0.00	0.00	0.00
4,300.00	5.68	151.34	4,281.04	-339.44	185.49	-186.44	0.00	0.00	0.00
4,400.00	5.68	151.34	4,380.55	-348.13	190.24	-191.21	0.00	0.00	0.00
4,500.00	5.68	151.34	4,480.06	-356.81	194.99	-195.98	0.00	0.00	0.00
4,600.00	5.68	151.34	4,579.57	-365.50	199.73	-200.75	0.00	0.00	0.00
4,700.00	5.68	151.34	4,679.08	-374.18	204.48	-205.52	0.00	0.00	0.00
4,800.00	5.68	151.34	4,778.59	-382.87	209.23	-210.30	0.00	0.00	0.00
4,900.00	5.68	151.34	4,878.10	-391.55	213.97	-215.07	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well SRC Williams 12-4-5NM-C
<b>Company:</b>	Synergy Resources Corp.	<b>TVD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Site:</b>	SRC Williams	<b>North Reference:</b>	True
<b>Well:</b>	SRC Williams 12-4-5NM-C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.00	5.68	151.34	4,977.61	-400.24	218.72	-219.84	0.00	0.00	0.00
5,100.00	5.68	151.34	5,077.11	-408.92	223.47	-224.61	0.00	0.00	0.00
5,200.00	5.68	151.34	5,176.62	-417.61	228.21	-229.38	0.00	0.00	0.00
5,300.00	5.68	151.34	5,276.13	-426.30	232.96	-234.15	0.00	0.00	0.00
5,400.00	5.68	151.34	5,375.64	-434.98	237.71	-238.92	0.00	0.00	0.00
5,500.00	5.68	151.34	5,475.15	-443.67	242.45	-243.69	0.00	0.00	0.00
5,600.00	5.68	151.34	5,574.66	-452.35	247.20	-248.46	0.00	0.00	0.00
5,700.00	5.68	151.34	5,674.17	-461.04	251.94	-253.23	0.00	0.00	0.00
5,800.00	5.68	151.34	5,773.68	-469.72	256.69	-258.00	0.00	0.00	0.00
5,900.00	5.68	151.34	5,873.19	-478.41	261.44	-262.77	0.00	0.00	0.00
5,957.94	5.68	151.34	5,930.85	-483.44	264.19	-265.54	0.00	0.00	0.00
Start Drop -2.00									
6,000.00	4.84	151.34	5,972.72	-486.82	266.04	-267.40	2.00	-2.00	0.00
6,100.00	2.84	151.34	6,072.49	-492.70	269.25	-270.62	2.00	-2.00	0.00
6,200.00	0.84	151.34	6,172.44	-495.52	270.79	-272.17	2.00	-2.00	0.00
6,241.96	0.00	0.00	6,214.40	-495.79	270.93	-272.32	2.00	-2.00	0.00
Start DLS 9.00 TFO 270.16									
6,300.00	5.22	270.16	6,272.36	-495.78	268.29	-269.67	9.00	9.00	0.00
6,400.00	14.22	270.16	6,370.82	-495.73	251.42	-252.80	9.00	9.00	0.00
6,500.00	23.22	270.16	6,465.43	-495.64	219.35	-220.74	9.00	9.00	0.00
6,600.00	32.22	270.16	6,553.86	-495.51	172.88	-174.26	9.00	9.00	0.00
6,700.00	41.22	270.16	6,633.93	-495.34	113.15	-114.53	9.00	9.00	0.00
6,800.00	50.22	270.16	6,703.67	-495.13	41.62	-43.01	9.00	9.00	0.00
6,900.00	59.22	270.16	6,761.36	-494.90	-39.93	38.55	9.00	9.00	0.00
7,000.00	68.22	270.16	6,805.59	-494.64	-129.50	128.12	9.00	9.00	0.00
7,100.00	77.22	270.16	6,835.26	-494.37	-224.89	223.51	9.00	9.00	0.00
7,200.00	86.22	270.16	6,849.64	-494.09	-323.75	322.37	9.00	9.00	0.00
7,247.48	90.50	270.16	6,851.00	-493.96	-371.20	369.82	9.00	9.00	0.00
Start 6467.08 hold at 7247.48 MD									
7,300.00	90.50	270.16	6,850.54	-493.81	-423.72	422.34	0.00	0.00	0.00
7,400.00	90.50	270.16	6,849.68	-493.52	-523.71	522.33	0.00	0.00	0.00
7,500.00	90.50	270.16	6,848.81	-493.24	-623.71	622.33	0.00	0.00	0.00
7,600.00	90.50	270.16	6,847.94	-492.95	-723.70	722.33	0.00	0.00	0.00
7,700.00	90.50	270.16	6,847.08	-492.67	-823.70	822.32	0.00	0.00	0.00
7,800.00	90.50	270.16	6,846.21	-492.38	-923.70	922.32	0.00	0.00	0.00
7,900.00	90.50	270.16	6,845.35	-492.10	-1,023.69	1,022.31	0.00	0.00	0.00
8,000.00	90.50	270.16	6,844.48	-491.81	-1,123.69	1,122.31	0.00	0.00	0.00
8,100.00	90.50	270.16	6,843.61	-491.53	-1,223.68	1,222.31	0.00	0.00	0.00
8,200.00	90.50	270.16	6,842.75	-491.24	-1,323.68	1,322.30	0.00	0.00	0.00
8,300.00	90.50	270.16	6,841.88	-490.96	-1,423.68	1,422.30	0.00	0.00	0.00
8,400.00	90.50	270.16	6,841.02	-490.67	-1,523.67	1,522.30	0.00	0.00	0.00
8,500.00	90.50	270.16	6,840.15	-490.39	-1,623.67	1,622.29	0.00	0.00	0.00
8,600.00	90.50	270.16	6,839.29	-490.10	-1,723.66	1,722.29	0.00	0.00	0.00
8,700.00	90.50	270.16	6,838.42	-489.82	-1,823.66	1,822.28	0.00	0.00	0.00
8,800.00	90.50	270.16	6,837.55	-489.53	-1,923.66	1,922.28	0.00	0.00	0.00
8,900.00	90.50	270.16	6,836.69	-489.25	-2,023.65	2,022.28	0.00	0.00	0.00
9,000.00	90.50	270.16	6,835.82	-488.96	-2,123.65	2,122.27	0.00	0.00	0.00
9,100.00	90.50	270.16	6,834.96	-488.68	-2,223.64	2,222.27	0.00	0.00	0.00
9,200.00	90.50	270.16	6,834.09	-488.39	-2,323.64	2,322.27	0.00	0.00	0.00
9,300.00	90.50	270.16	6,833.22	-488.11	-2,423.63	2,422.26	0.00	0.00	0.00
9,400.00	90.50	270.16	6,832.36	-487.82	-2,523.63	2,522.26	0.00	0.00	0.00
9,500.00	90.50	270.16	6,831.49	-487.54	-2,623.63	2,622.25	0.00	0.00	0.00
9,600.00	90.50	270.16	6,830.63	-487.25	-2,723.62	2,722.25	0.00	0.00	0.00

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well SRC Williams 12-4-5NM-C
<b>Company:</b>	Synergy Resources Corp.	<b>TVD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Site:</b>	SRC Williams	<b>North Reference:</b>	True
<b>Well:</b>	SRC Williams 12-4-5NM-C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,700.00	90.50	270.16	6,829.76	-486.97	-2,823.62	2,822.25	0.00	0.00	0.00
9,800.00	90.50	270.16	6,828.89	-486.68	-2,923.61	2,922.24	0.00	0.00	0.00
9,900.00	90.50	270.16	6,828.03	-486.40	-3,023.61	3,022.24	0.00	0.00	0.00
10,000.00	90.50	270.16	6,827.16	-486.12	-3,123.61	3,122.24	0.00	0.00	0.00
10,100.00	90.50	270.16	6,826.30	-485.83	-3,223.60	3,222.23	0.00	0.00	0.00
10,200.00	90.50	270.16	6,825.43	-485.55	-3,323.60	3,322.23	0.00	0.00	0.00
10,300.00	90.50	270.16	6,824.57	-485.26	-3,423.59	3,422.22	0.00	0.00	0.00
10,400.00	90.50	270.16	6,823.70	-484.98	-3,523.59	3,522.22	0.00	0.00	0.00
10,500.00	90.50	270.16	6,822.83	-484.69	-3,623.58	3,622.22	0.00	0.00	0.00
10,600.00	90.50	270.16	6,821.97	-484.41	-3,723.58	3,722.21	0.00	0.00	0.00
10,700.00	90.50	270.16	6,821.10	-484.12	-3,823.58	3,822.21	0.00	0.00	0.00
10,800.00	90.50	270.16	6,820.24	-483.84	-3,923.57	3,922.21	0.00	0.00	0.00
10,900.00	90.50	270.16	6,819.37	-483.55	-4,023.57	4,022.20	0.00	0.00	0.00
11,000.00	90.50	270.16	6,818.50	-483.27	-4,123.56	4,122.20	0.00	0.00	0.00
11,100.00	90.50	270.16	6,817.64	-482.98	-4,223.56	4,222.19	0.00	0.00	0.00
11,200.00	90.50	270.16	6,816.77	-482.70	-4,323.56	4,322.19	0.00	0.00	0.00
11,300.00	90.50	270.16	6,815.91	-482.41	-4,423.55	4,422.19	0.00	0.00	0.00
11,400.00	90.50	270.16	6,815.04	-482.13	-4,523.55	4,522.18	0.00	0.00	0.00
11,500.00	90.50	270.16	6,814.18	-481.84	-4,623.54	4,622.18	0.00	0.00	0.00
11,600.00	90.50	270.16	6,813.31	-481.56	-4,723.54	4,722.18	0.00	0.00	0.00
11,700.00	90.50	270.16	6,812.44	-481.27	-4,823.53	4,822.17	0.00	0.00	0.00
11,800.00	90.50	270.16	6,811.58	-480.99	-4,923.53	4,922.17	0.00	0.00	0.00
11,900.00	90.50	270.16	6,810.71	-480.70	-5,023.53	5,022.16	0.00	0.00	0.00
12,000.00	90.50	270.16	6,809.85	-480.42	-5,123.52	5,122.16	0.00	0.00	0.00
12,100.00	90.50	270.16	6,808.98	-480.13	-5,223.52	5,222.16	0.00	0.00	0.00
12,200.00	90.50	270.16	6,808.11	-479.85	-5,323.51	5,322.15	0.00	0.00	0.00
12,300.00	90.50	270.16	6,807.25	-479.56	-5,423.51	5,422.15	0.00	0.00	0.00
12,400.00	90.50	270.16	6,806.38	-479.28	-5,523.51	5,522.15	0.00	0.00	0.00
12,500.00	90.50	270.16	6,805.52	-478.99	-5,623.50	5,622.14	0.00	0.00	0.00
12,600.00	90.50	270.16	6,804.65	-478.71	-5,723.50	5,722.14	0.00	0.00	0.00
12,700.00	90.50	270.16	6,803.78	-478.42	-5,823.49	5,822.13	0.00	0.00	0.00
12,800.00	90.50	270.16	6,802.92	-478.14	-5,923.49	5,922.13	0.00	0.00	0.00
12,900.00	90.50	270.16	6,802.05	-477.85	-6,023.48	6,022.13	0.00	0.00	0.00
13,000.00	90.50	270.16	6,801.19	-477.57	-6,123.48	6,122.12	0.00	0.00	0.00
13,100.00	90.50	270.16	6,800.32	-477.28	-6,223.48	6,222.12	0.00	0.00	0.00
13,200.00	90.50	270.16	6,799.46	-477.00	-6,323.47	6,322.12	0.00	0.00	0.00
13,300.00	90.50	270.16	6,798.59	-476.71	-6,423.47	6,422.11	0.00	0.00	0.00
13,400.00	90.50	270.16	6,797.72	-476.43	-6,523.46	6,522.11	0.00	0.00	0.00
13,500.00	90.50	270.16	6,796.86	-476.14	-6,623.46	6,622.10	0.00	0.00	0.00
13,600.00	90.50	270.16	6,795.99	-475.86	-6,723.46	6,722.10	0.00	0.00	0.00
13,700.00	90.50	270.16	6,795.13	-475.57	-6,823.45	6,822.10	0.00	0.00	0.00
13,714.56	90.50	270.16	6,795.00	-475.53	-6,838.01	6,836.65	0.00	0.00	0.00
TD at 13714.56									

<b>Database:</b>	Casper District	<b>Local Co-ordinate Reference:</b>	Well SRC Williams 12-4-5NM-C
<b>Company:</b>	Synergy Resources Corp.	<b>TVD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Project:</b>	Weld County, CO NAD 83	<b>MD Reference:</b>	GL 494' & KB 13' @ 4807.00ft
<b>Site:</b>	SRC Williams	<b>North Reference:</b>	True
<b>Well:</b>	SRC Williams 12-4-5NM-C	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<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	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
12-4-5NM-C TGT 1	0.00	0.00	6,214.40	-495.79	270.93	1,368,956.42	3,168,172.98	40° 20' 40.618 N	104° 53' 47.969 W
- plan hits target center									
- Point									
12-4-5NM-C PBHL	0.00	0.00	6,795.00	-475.53	-6,838.01	1,368,928.38	3,161,064.08	40° 20' 40.808 N	104° 55' 19.783 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
250.00	250.00	0.00	0.00	Start Build 2.00
534.02	533.56	-12.34	6.75	Start 5423.92 hold at 534.02 MD
5,957.94	5,930.85	-483.44	264.19	Start Drop -2.00
6,241.96	6,214.40	-495.79	270.93	Start DLS 9.00 TFO 270.16
7,247.48	6,851.00	-493.96	-371.20	Start 6467.08 hold at 7247.48 MD
13,714.56	6,795.00	-475.53	-6,838.01	TD at 13714.56