

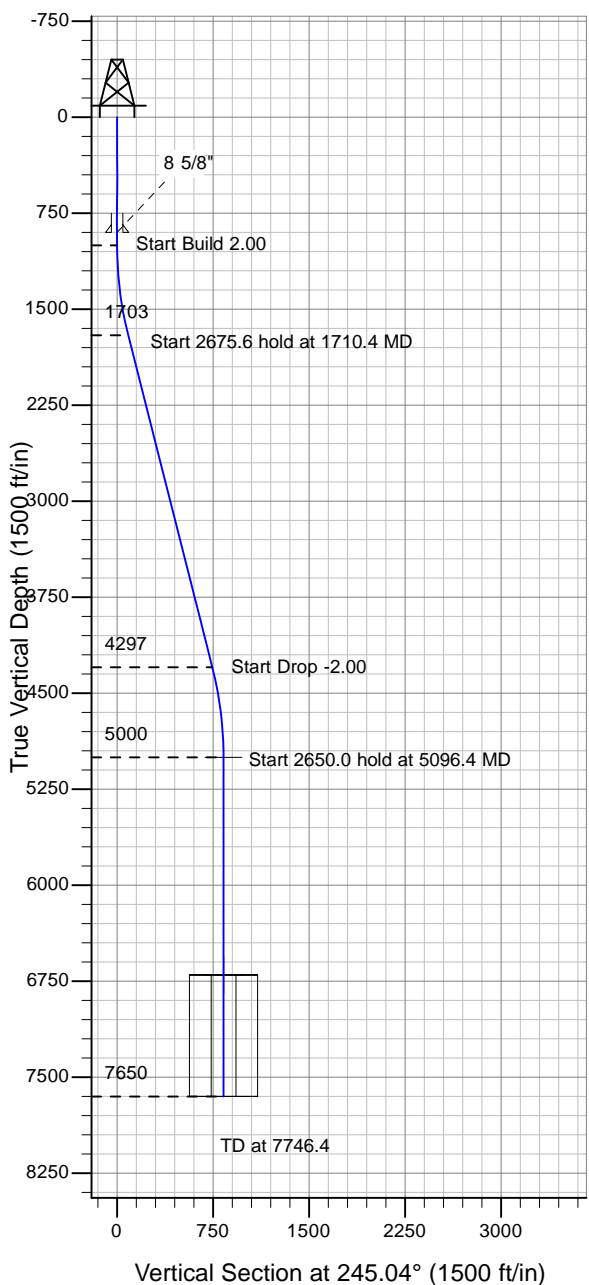
# ENSIGN

## Directional

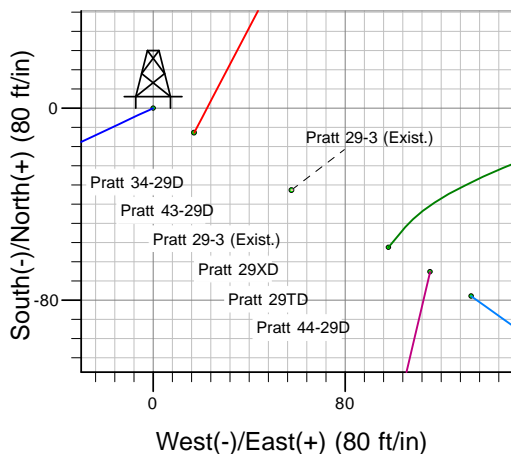
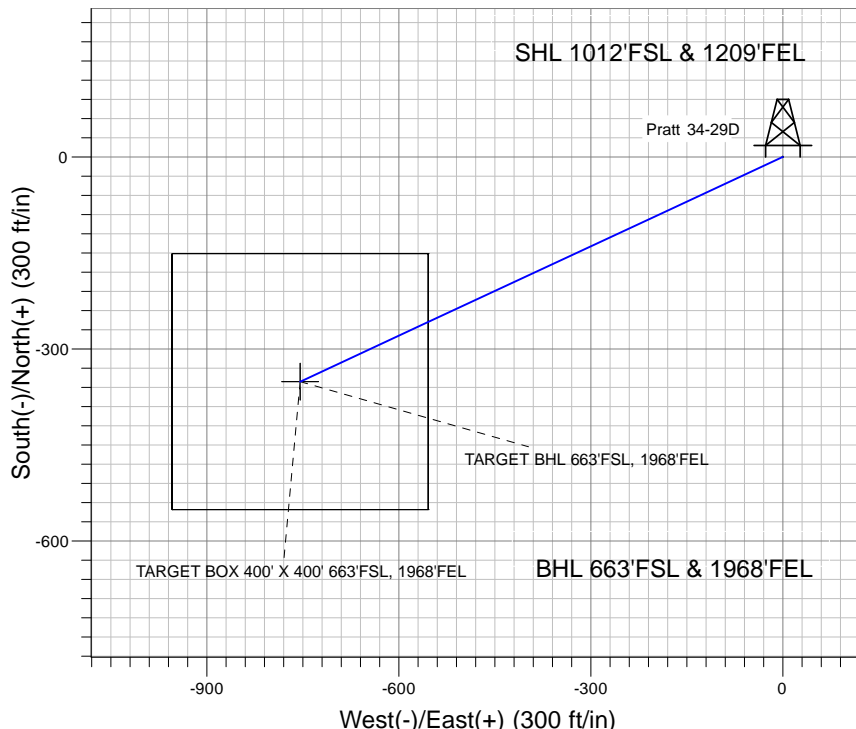
### Well Name: Pratt 34-29D

Surface Location: Pratt 34-29D Pad Sec.29-T1N-R68W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 5179.0

+N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1249588.30 3133748.69 40° 1' 3.065 N 105° 1' 20.867 W  
 Original Well Elev WELL @ 5192.0ft (Original Well Elev)



### Synergy Resources



Pratt 34-29D Pad Sec.29-T1N-R68W  
 Pratt 34-29D  
 Plan #1 (5-4-10)  
 11:53, May 08 2010



Azimuths to True North  
 Magnetic North: 9.11°

Magnetic Field  
 Strength: 53015.7snT  
 Dip Angle: 66.73°  
 Date: 5/4/2010  
 Model: IGRF2010

### WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
TARGET BHL 663'FSL, 1968'FEL	5000.0	-351.1	-754.3	40° 0' 59.595 N	105° 1' 30.561 W	Point
TARGET BOX 400' X 400' 663'FSL, 1968'FEL	6700.0	-351.1	-754.3	40° 0' 59.595 N	105° 1' 30.562 W	Rectangle (Sides: L400.0 W400.0)

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1710.4	14.21	245.04	1703.1	-37.0	-79.4	2.00	245.04	87.6	
4	4386.0	14.21	245.04	4296.9	-314.1	-674.8	0.00	0.00	744.3	
5	5096.4	0.00	0.00	5000.0	-351.1	-754.3	2.00	180.00	832.0	TARGET BHL 663'FSL, 1968'FEL
6	7746.4	0.00	0.00	7650.0	-351.1	-754.3	0.00	0.00	832.0	



## **Synergy Resources**

**SEC.29-T1N-R68W**

**Pratt 34-29D Pad Sec.29-T1N-R68W**

**Pratt 34-29D**

**Wellbore #1**

**Plan: Plan #1 (5-4-10)**

## **Standard Planning Report**

**08 May, 2010**

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

<b>Project</b>	SEC.29-T1N-R68W, Weld County, Colorado		
<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		Using geodetic scale factor

Site Pratt 34-29D Pad Sec.29-T1N-R68W					
Site Position:		Northing:	1,249,588.32 ft	Latitude:	40° 1' 3.065 N
From:	Lat/Long	Easting:	3,133,748.69ft	Longitude:	105° 1' 20.867 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.31 °

Well	Pratt 34-29D					
Well Position	+N/-S	0.0 ft	Northing:	1,249,588.30 ft	Latitude:	40° 1' 3.065 N
	+E/-W	0.0 ft	Easting:	3,133,748.69 ft	Longitude:	105° 1' 20.867 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,179.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/4/2010	9.12	66.73	53,016

<b>Design</b>	Plan #1 (5-4-10)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	245.04

<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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,710.4	14.21	245.04	1,703.1	-37.0	-79.4	2.00	2.00	0.00	245.04	
4,386.0	14.21	245.04	4,296.9	-314.1	-674.8	0.00	0.00	0.00	0.00	
5,096.4	0.00	0.00	5,000.0	-351.1	-754.3	2.00	-2.00	0.00	180.00	TARGET BHL 663'I
7,746.4	0.00	0.00	7,650.0	-351.1	-754.3	0.00	0.00	0.00	0.00	

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
8 5/8"									
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00
960.0	0.00	0.00	960.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,040.0	0.80	245.04	1,040.0	-0.1	-0.3	0.3	2.00	2.00	0.00
1,080.0	1.60	245.04	1,080.0	-0.5	-1.0	1.1	2.00	2.00	0.00
1,120.0	2.40	245.04	1,120.0	-1.1	-2.3	2.5	2.00	2.00	0.00
1,160.0	3.20	245.04	1,159.9	-1.9	-4.0	4.5	2.00	2.00	0.00
1,200.0	4.00	245.04	1,199.8	-2.9	-6.3	7.0	2.00	2.00	0.00
1,240.0	4.80	245.04	1,239.7	-4.2	-9.1	10.0	2.00	2.00	0.00
1,280.0	5.60	245.04	1,279.6	-5.8	-12.4	13.7	2.00	2.00	0.00
1,320.0	6.40	245.04	1,319.3	-7.5	-16.2	17.9	2.00	2.00	0.00
1,360.0	7.20	245.04	1,359.1	-9.5	-20.5	22.6	2.00	2.00	0.00
1,400.0	8.00	245.04	1,398.7	-11.8	-25.3	27.9	2.00	2.00	0.00
1,440.0	8.80	245.04	1,438.3	-14.2	-30.6	33.7	2.00	2.00	0.00
1,480.0	9.60	245.04	1,477.8	-16.9	-36.4	40.1	2.00	2.00	0.00
1,520.0	10.40	245.04	1,517.1	-19.9	-42.7	47.1	2.00	2.00	0.00
1,560.0	11.20	245.04	1,556.4	-23.0	-49.5	54.6	2.00	2.00	0.00
1,600.0	12.00	245.04	1,595.6	-26.4	-56.8	62.6	2.00	2.00	0.00
1,640.0	12.80	245.04	1,634.7	-30.0	-64.5	71.2	2.00	2.00	0.00
1,680.0	13.60	245.04	1,673.6	-33.9	-72.8	80.3	2.00	2.00	0.00
1,710.4	14.21	245.04	1,703.1	-37.0	-79.4	87.6	2.00	2.00	0.00
1,720.0	14.21	245.04	1,712.4	-38.0	-81.6	90.0	0.00	0.00	0.00
1,760.0	14.21	245.04	1,751.2	-42.1	-90.5	99.8	0.00	0.00	0.00
1,800.0	14.21	245.04	1,790.0	-46.3	-99.4	109.6	0.00	0.00	0.00
1,840.0	14.21	245.04	1,828.8	-50.4	-108.3	119.4	0.00	0.00	0.00
1,880.0	14.21	245.04	1,867.6	-54.5	-117.2	129.3	0.00	0.00	0.00
1,920.0	14.21	245.04	1,906.3	-58.7	-126.1	139.1	0.00	0.00	0.00
1,960.0	14.21	245.04	1,945.1	-62.8	-135.0	148.9	0.00	0.00	0.00
2,000.0	14.21	245.04	1,983.9	-67.0	-143.9	158.7	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

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)
2,040.0	14.21	245.04	2,022.7	-71.1	-152.8	168.5	0.00	0.00	0.00
2,080.0	14.21	245.04	2,061.4	-75.3	-161.7	178.3	0.00	0.00	0.00
2,120.0	14.21	245.04	2,100.2	-79.4	-170.6	188.2	0.00	0.00	0.00
2,160.0	14.21	245.04	2,139.0	-83.5	-179.5	198.0	0.00	0.00	0.00
2,200.0	14.21	245.04	2,177.8	-87.7	-188.4	207.8	0.00	0.00	0.00
2,240.0	14.21	245.04	2,216.5	-91.8	-197.3	217.6	0.00	0.00	0.00
2,280.0	14.21	245.04	2,255.3	-96.0	-206.2	227.4	0.00	0.00	0.00
2,320.0	14.21	245.04	2,294.1	-100.1	-215.1	237.3	0.00	0.00	0.00
2,360.0	14.21	245.04	2,332.9	-104.3	-224.0	247.1	0.00	0.00	0.00
2,400.0	14.21	245.04	2,371.6	-108.4	-232.9	256.9	0.00	0.00	0.00
2,440.0	14.21	245.04	2,410.4	-112.5	-241.8	266.7	0.00	0.00	0.00
2,480.0	14.21	245.04	2,449.2	-116.7	-250.7	276.5	0.00	0.00	0.00
2,520.0	14.21	245.04	2,488.0	-120.8	-259.6	286.3	0.00	0.00	0.00
2,560.0	14.21	245.04	2,526.8	-125.0	-268.5	296.2	0.00	0.00	0.00
2,600.0	14.21	245.04	2,565.5	-129.1	-277.4	306.0	0.00	0.00	0.00
2,640.0	14.21	245.04	2,604.3	-133.3	-286.3	315.8	0.00	0.00	0.00
2,680.0	14.21	245.04	2,643.1	-137.4	-295.2	325.6	0.00	0.00	0.00
2,720.0	14.21	245.04	2,681.9	-141.5	-304.1	335.4	0.00	0.00	0.00
2,760.0	14.21	245.04	2,720.6	-145.7	-313.0	345.2	0.00	0.00	0.00
2,800.0	14.21	245.04	2,759.4	-149.8	-321.9	355.1	0.00	0.00	0.00
2,840.0	14.21	245.04	2,798.2	-154.0	-330.8	364.9	0.00	0.00	0.00
2,880.0	14.21	245.04	2,837.0	-158.1	-339.7	374.7	0.00	0.00	0.00
2,920.0	14.21	245.04	2,875.7	-162.3	-348.6	384.5	0.00	0.00	0.00
2,960.0	14.21	245.04	2,914.5	-166.4	-357.5	394.3	0.00	0.00	0.00
3,000.0	14.21	245.04	2,953.3	-170.5	-366.4	404.2	0.00	0.00	0.00
3,040.0	14.21	245.04	2,992.1	-174.7	-375.3	414.0	0.00	0.00	0.00
3,080.0	14.21	245.04	3,030.8	-178.8	-384.2	423.8	0.00	0.00	0.00
3,120.0	14.21	245.04	3,069.6	-183.0	-393.1	433.6	0.00	0.00	0.00
3,160.0	14.21	245.04	3,108.4	-187.1	-402.0	443.4	0.00	0.00	0.00
3,200.0	14.21	245.04	3,147.2	-191.3	-410.9	453.2	0.00	0.00	0.00
3,240.0	14.21	245.04	3,186.0	-195.4	-419.8	463.1	0.00	0.00	0.00
3,280.0	14.21	245.04	3,224.7	-199.5	-428.7	472.9	0.00	0.00	0.00
3,320.0	14.21	245.04	3,263.5	-203.7	-437.6	482.7	0.00	0.00	0.00
3,360.0	14.21	245.04	3,302.3	-207.8	-446.5	492.5	0.00	0.00	0.00
3,400.0	14.21	245.04	3,341.1	-212.0	-455.4	502.3	0.00	0.00	0.00
3,440.0	14.21	245.04	3,379.8	-216.1	-464.3	512.1	0.00	0.00	0.00
3,480.0	14.21	245.04	3,418.6	-220.3	-473.2	522.0	0.00	0.00	0.00
3,520.0	14.21	245.04	3,457.4	-224.4	-482.1	531.8	0.00	0.00	0.00
3,560.0	14.21	245.04	3,496.2	-228.5	-491.0	541.6	0.00	0.00	0.00
3,600.0	14.21	245.04	3,534.9	-232.7	-499.9	551.4	0.00	0.00	0.00
3,640.0	14.21	245.04	3,573.7	-236.8	-508.8	561.2	0.00	0.00	0.00
3,680.0	14.21	245.04	3,612.5	-241.0	-517.7	571.1	0.00	0.00	0.00
3,720.0	14.21	245.04	3,651.3	-245.1	-526.6	580.9	0.00	0.00	0.00
3,760.0	14.21	245.04	3,690.0	-249.3	-535.5	590.7	0.00	0.00	0.00
3,800.0	14.21	245.04	3,728.8	-253.4	-544.4	600.5	0.00	0.00	0.00
3,840.0	14.21	245.04	3,767.6	-257.5	-553.3	610.3	0.00	0.00	0.00
3,880.0	14.21	245.04	3,806.4	-261.7	-562.2	620.1	0.00	0.00	0.00
3,920.0	14.21	245.04	3,845.2	-265.8	-571.1	630.0	0.00	0.00	0.00
3,960.0	14.21	245.04	3,883.9	-270.0	-580.0	639.8	0.00	0.00	0.00
4,000.0	14.21	245.04	3,922.7	-274.1	-588.9	649.6	0.00	0.00	0.00
4,040.0	14.21	245.04	3,961.5	-278.3	-597.8	659.4	0.00	0.00	0.00
4,080.0	14.21	245.04	4,000.3	-282.4	-606.7	669.2	0.00	0.00	0.00
4,120.0	14.21	245.04	4,039.0	-286.5	-615.6	679.1	0.00	0.00	0.00
4,160.0	14.21	245.04	4,077.8	-290.7	-624.5	688.9	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,200.0	14.21	245.04	4,116.6	-294.8	-633.4	698.7	0.00	0.00	0.00
4,240.0	14.21	245.04	4,155.4	-299.0	-642.3	708.5	0.00	0.00	0.00
4,280.0	14.21	245.04	4,194.1	-303.1	-651.2	718.3	0.00	0.00	0.00
4,320.0	14.21	245.04	4,232.9	-307.3	-660.1	728.1	0.00	0.00	0.00
4,360.0	14.21	245.04	4,271.7	-311.4	-669.0	738.0	0.00	0.00	0.00
4,386.0	14.21	245.04	4,296.9	-314.1	-674.8	744.3	0.00	0.00	0.00
4,400.0	13.93	245.04	4,310.5	-315.5	-677.9	747.7	2.00	-2.00	0.00
4,440.0	13.13	245.04	4,349.4	-319.5	-686.4	757.1	2.00	-2.00	0.00
4,480.0	12.33	245.04	4,388.4	-323.2	-694.4	765.9	2.00	-2.00	0.00
4,520.0	11.53	245.04	4,427.5	-326.7	-701.9	774.2	2.00	-2.00	0.00
4,560.0	10.73	245.04	4,466.8	-329.9	-708.9	781.9	2.00	-2.00	0.00
4,600.0	9.93	245.04	4,506.1	-333.0	-715.4	789.1	2.00	-2.00	0.00
4,640.0	9.13	245.04	4,545.6	-335.8	-721.4	795.7	2.00	-2.00	0.00
4,680.0	8.33	245.04	4,585.1	-338.3	-726.9	801.8	2.00	-2.00	0.00
4,720.0	7.53	245.04	4,624.7	-340.7	-731.9	807.3	2.00	-2.00	0.00
4,760.0	6.73	245.04	4,664.4	-342.8	-736.4	812.2	2.00	-2.00	0.00
4,800.0	5.93	245.04	4,704.2	-344.6	-740.4	816.6	2.00	-2.00	0.00
4,840.0	5.13	245.04	4,744.0	-346.2	-743.9	820.5	2.00	-2.00	0.00
4,880.0	4.33	245.04	4,783.8	-347.6	-746.9	823.8	2.00	-2.00	0.00
4,920.0	3.53	245.04	4,823.8	-348.8	-749.3	826.5	2.00	-2.00	0.00
4,960.0	2.73	245.04	4,863.7	-349.7	-751.3	828.7	2.00	-2.00	0.00
5,000.0	1.93	245.04	4,903.7	-350.4	-752.8	830.3	2.00	-2.00	0.00
5,040.0	1.13	245.04	4,943.6	-350.8	-753.8	831.4	2.00	-2.00	0.00
5,080.0	0.33	245.04	4,983.6	-351.1	-754.2	831.9	2.00	-2.00	0.00
5,096.4	0.00	0.00	5,000.0	-351.1	-754.3	832.0	2.00	-2.00	0.00
TARGET BHL 663'FSL, 1968'FEL									
5,120.0	0.00	0.00	5,023.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,160.0	0.00	0.00	5,063.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,103.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,240.0	0.00	0.00	5,143.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,280.0	0.00	0.00	5,183.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,320.0	0.00	0.00	5,223.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,360.0	0.00	0.00	5,263.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,303.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,440.0	0.00	0.00	5,343.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,480.0	0.00	0.00	5,383.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,520.0	0.00	0.00	5,423.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,560.0	0.00	0.00	5,463.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,503.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,640.0	0.00	0.00	5,543.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,680.0	0.00	0.00	5,583.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,720.0	0.00	0.00	5,623.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,760.0	0.00	0.00	5,663.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,703.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,840.0	0.00	0.00	5,743.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,880.0	0.00	0.00	5,783.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,920.0	0.00	0.00	5,823.6	-351.1	-754.3	832.0	0.00	0.00	0.00
5,960.0	0.00	0.00	5,863.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,000.0	0.00	0.00	5,903.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,040.0	0.00	0.00	5,943.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,080.0	0.00	0.00	5,983.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,120.0	0.00	0.00	6,023.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,160.0	0.00	0.00	6,063.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,103.6	-351.1	-754.3	832.0	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,240.0	0.00	0.00	6,143.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,280.0	0.00	0.00	6,183.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,320.0	0.00	0.00	6,223.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,360.0	0.00	0.00	6,263.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,303.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,440.0	0.00	0.00	6,343.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,480.0	0.00	0.00	6,383.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,520.0	0.00	0.00	6,423.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,560.0	0.00	0.00	6,463.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,503.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,640.0	0.00	0.00	6,543.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,680.0	0.00	0.00	6,583.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,720.0	0.00	0.00	6,623.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,760.0	0.00	0.00	6,663.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,796.4	0.00	0.00	6,700.0	-351.1	-754.3	832.0	0.00	0.00	0.00
TARGET BOX 400' X 400' 663'FSL, 1968'FEL									
6,800.0	0.00	0.00	6,703.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,840.0	0.00	0.00	6,743.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,880.0	0.00	0.00	6,783.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,920.0	0.00	0.00	6,823.6	-351.1	-754.3	832.0	0.00	0.00	0.00
6,960.0	0.00	0.00	6,863.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,903.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,040.0	0.00	0.00	6,943.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,080.0	0.00	0.00	6,983.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,120.0	0.00	0.00	7,023.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,160.0	0.00	0.00	7,063.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,103.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,240.0	0.00	0.00	7,143.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,280.0	0.00	0.00	7,183.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,320.0	0.00	0.00	7,223.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,360.0	0.00	0.00	7,263.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,303.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,440.0	0.00	0.00	7,343.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,480.0	0.00	0.00	7,383.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,520.0	0.00	0.00	7,423.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,560.0	0.00	0.00	7,463.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,503.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,640.0	0.00	0.00	7,543.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,680.0	0.00	0.00	7,583.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,720.0	0.00	0.00	7,623.6	-351.1	-754.3	832.0	0.00	0.00	0.00
7,746.4	0.00	0.00	7,650.0	-351.1	-754.3	832.0	0.00	0.00	0.00

<b>Database:</b>	EDM den0-adp01 Server Data	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Company:</b>	Synergy Resources	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Project:</b>	SEC.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>North Reference:</b>	True
<b>Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (5-4-10)		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
TARGET BOX 400' X	0.00	0.00	6,700.0	-351.1	-754.3	1,249,233.16	3,132,996.32	40° 0' 59.595 N	105° 1' 30.562 W
- plan hits target center									
- Rectangle (sides W400.0 H400.0 D950.0)									
TARGET BHL 663'FS	0.00	0.00	5,000.0	-351.1	-754.3	1,249,233.18	3,132,996.37	40° 0' 59.595 N	105° 1' 30.561 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth		Name	Casing Diameter	Hole Diameter
(ft)	(ft)			(")	(")
900.0	900.0	8 5/8"		8-5/8	12-1/4





## **Synergy Resources**

**SEC.29-T1N-R68W**

**Pratt 34-29D Pad Sec.29-T1N-R68W**

**Pratt 34-29D**

**Wellbore #1**

**Plan #1 (5-4-10)**

## **Anticollision Report**

**08 May, 2010**

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Reference Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (5-4-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1 (5-4-10)		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	ISCSWA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 2,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

Survey Tool Program		Date	5/7/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,746.4	Plan #1 (5-4-10) (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Pratt 34-29D Pad Sec.29-T1N-R68W						
Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)	279.5	279.5	19.9	18.9	19.807	CC
Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)	300.0	300.0	19.9	18.8	18.146	ES
Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)	500.0	499.0	24.6	22.6	12.197	SF

Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	120.84	-10.2	17.1	19.9					
100.0	100.0	100.0	100.0	0.1	0.1	120.84	-10.2	17.1	19.9	19.7	0.20	101.759		
200.0	200.0	200.0	200.0	0.3	0.3	120.84	-10.2	17.1	19.9	19.3	0.65	30.847		
279.5	279.5	279.5	279.5	0.5	0.5	117.66	-9.2	17.6	19.9	18.9	1.00	19.807 CC		
300.0	300.0	300.0	300.0	0.5	0.5	115.81	-8.7	17.9	19.9	18.8	1.10	18.146 ES		
400.0	400.0	399.8	399.6	0.8	0.8	101.23	-4.0	20.3	20.7	19.2	1.56	13.319		
500.0	500.0	499.0	498.5	1.0	1.0	81.56	3.6	24.3	24.6	22.6	2.02	12.197 SF		
600.0	600.0	597.6	596.3	1.2	1.3	64.58	14.2	29.9	33.3	30.8	2.50	13.329		
700.0	700.0	695.2	692.7	1.4	1.6	53.19	27.6	36.9	46.7	43.7	3.00	15.531		
800.0	800.0	791.7	787.5	1.7	2.0	46.04	43.7	45.3	64.2	60.7	3.55	18.080		
900.0	900.0	886.9	880.4	1.9	2.4	41.47	62.4	55.1	85.5	81.4	4.14	20.650		
1,000.0	1,000.0	984.1	974.8	2.1	2.8	38.50	82.7	65.8	108.6	103.9	4.77	22.782		
1,100.0	1,100.0	1,080.9	1,068.9	2.3	3.3	151.66	102.9	76.4	133.4	128.5	4.85	27.522		
1,200.0	1,199.8	1,177.0	1,162.2	2.5	3.7	150.94	123.0	86.9	161.2	155.9	5.28	30.512		
1,300.0	1,299.5	1,272.2	1,254.7	2.7	4.2	150.85	142.9	97.3	191.8	186.1	5.72	33.541		
1,400.0	1,398.7	1,366.3	1,346.2	3.0	4.6	151.12	162.6	107.6	225.4	219.3	6.16	36.612		
1,500.0	1,497.5	1,459.4	1,436.6	3.2	5.1	151.59	182.0	117.8	261.9	255.3	6.60	39.703		
1,600.0	1,595.6	1,551.2	1,525.9	3.5	5.5	152.16	201.2	127.9	301.3	294.3	7.04	42.806		
1,700.0	1,693.1	1,641.6	1,613.8	3.9	5.9	152.76	220.1	137.8	343.6	336.1	7.48	45.910		
1,800.0	1,790.0	1,731.2	1,700.8	4.3	6.4	153.68	238.8	147.6	387.6	379.6	7.98	48.577		
1,900.0	1,886.9	1,820.9	1,787.9	4.7	6.8	154.45	257.6	157.4	431.7	423.2	8.49	50.851		
2,000.0	1,983.9	1,910.5	1,875.0	5.2	7.3	155.07	276.3	167.2	475.9	466.9	9.01	52.827		
2,100.0	2,080.8	2,000.1	1,962.1	5.7	7.7	155.59	295.0	177.1	520.1	510.6	9.53	54.556		
2,200.0	2,177.8	2,089.7	2,049.1	6.1	8.1	156.03	313.7	186.9	564.4	554.3	10.06	56.078		

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Reference Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (5-4-10)	<b>Offset TVD Reference:</b>	Offset Datum

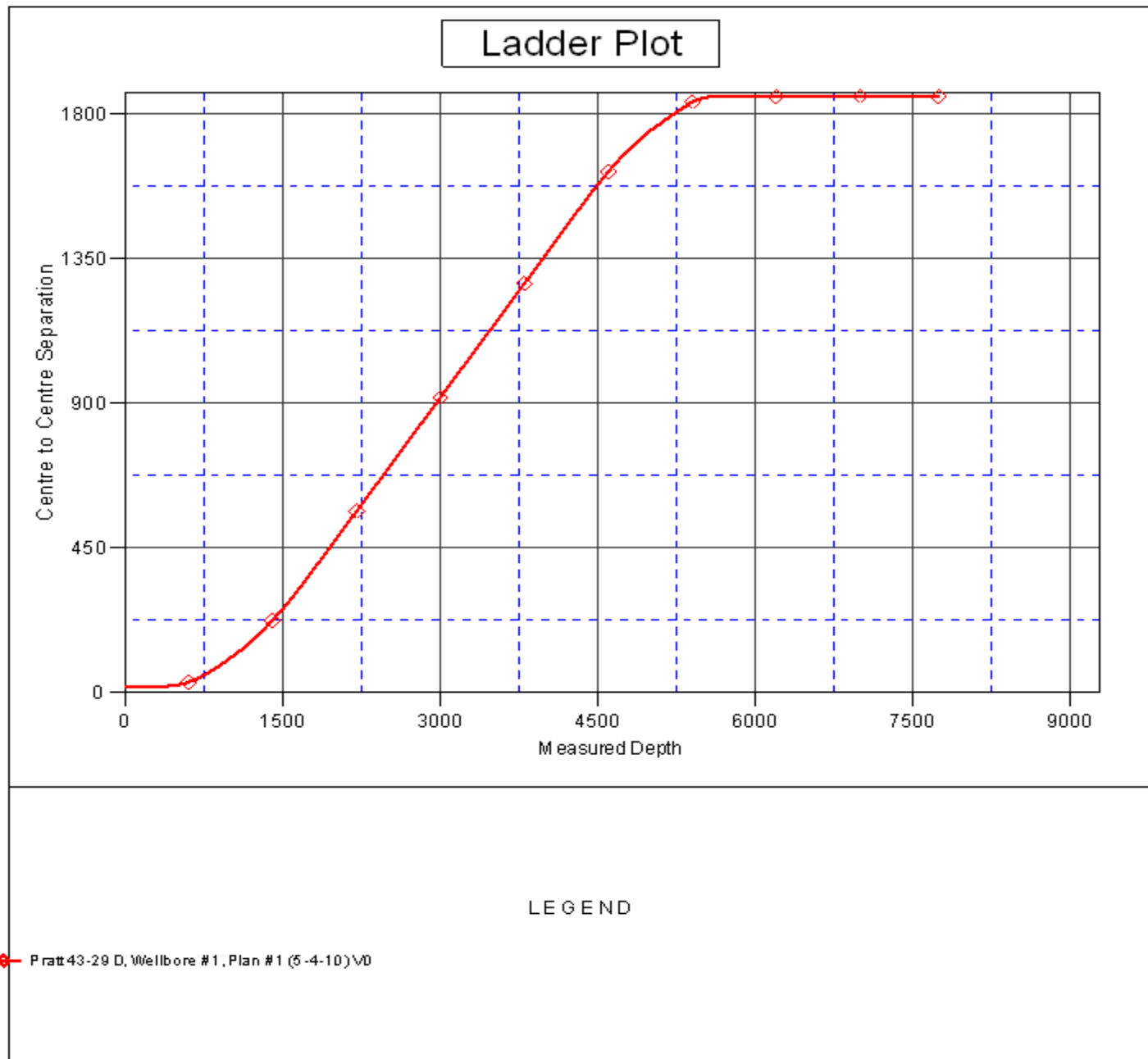
Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)													Offset Site Error:		0.0 ft
Survey Program: 0-MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
2,300.0	2,274.7	2,179.3	2,136.2	6.6	8.6	156.41	332.5	196.7	608.6	598.0	10.60	57.427			
2,400.0	2,371.6	2,268.9	2,223.3	7.1	9.0	156.73	351.2	206.5	652.9	641.8	11.14	58.629			
2,500.0	2,468.6	2,358.5	2,310.4	7.6	9.4	157.01	369.9	216.3	697.2	685.6	11.68	59.706			
2,600.0	2,565.5	2,448.1	2,397.4	8.1	9.9	157.26	388.6	226.1	741.5	729.3	12.22	60.676			
2,700.0	2,662.5	2,537.7	2,484.5	8.6	10.3	157.48	407.4	235.9	785.9	773.1	12.77	61.553			
2,800.0	2,759.4	2,627.3	2,571.6	9.1	10.8	157.68	426.1	245.8	830.2	816.9	13.32	62.350			
2,900.0	2,856.4	2,716.9	2,658.6	9.7	11.2	157.86	444.8	255.6	874.5	860.7	13.86	63.076			
3,000.0	2,953.3	2,806.5	2,745.7	10.2	11.6	158.02	463.6	265.4	918.9	904.5	14.42	63.741			
3,100.0	3,050.2	2,896.1	2,832.8	10.7	12.1	158.16	482.3	275.2	963.2	948.3	14.97	64.351			
3,200.0	3,147.2	2,985.7	2,919.9	11.2	12.5	158.30	501.0	285.0	1,007.6	992.1	15.52	64.913			
3,300.0	3,244.1	3,075.3	3,006.9	11.7	12.9	158.42	519.7	294.8	1,051.9	1,035.9	16.08	65.432			
3,400.0	3,341.1	3,164.9	3,094.0	12.2	13.4	158.53	538.5	304.6	1,096.3	1,079.7	16.63	65.913			
3,500.0	3,438.0	3,254.5	3,181.1	12.8	13.8	158.63	557.2	314.5	1,140.7	1,123.5	17.19	66.360			
3,600.0	3,534.9	3,344.1	3,268.1	13.3	14.3	158.73	575.9	324.3	1,185.0	1,167.3	17.75	66.775			
3,700.0	3,631.9	3,433.7	3,355.2	13.8	14.7	158.82	594.6	334.1	1,229.4	1,211.1	18.30	67.163			
3,800.0	3,728.8	3,523.3	3,442.3	14.3	15.1	158.90	613.4	343.9	1,273.8	1,254.9	18.86	67.525			
3,900.0	3,825.8	3,612.9	3,529.4	14.9	15.6	158.98	632.1	353.7	1,318.1	1,298.7	19.42	67.864			
4,000.0	3,922.7	3,702.5	3,616.4	15.4	16.0	159.05	650.8	363.5	1,362.5	1,342.5	19.98	68.182			
4,100.0	4,019.6	3,792.1	3,703.5	15.9	16.5	159.12	669.5	373.3	1,406.9	1,386.4	20.54	68.481			
4,200.0	4,116.6	3,881.7	3,790.6	16.4	16.9	159.18	688.3	383.2	1,451.3	1,430.2	21.11	68.763			
4,300.0	4,213.5	3,971.3	3,877.6	17.0	17.3	159.24	707.0	393.0	1,495.7	1,474.0	21.67	69.028			
4,400.0	4,310.5	4,060.9	3,964.7	17.5	17.8	159.34	725.7	402.8	1,540.0	1,517.8	22.25	69.220			
4,500.0	4,407.9	4,151.4	4,052.7	17.9	18.2	159.69	744.6	412.7	1,582.5	1,559.6	22.91	69.078			
4,600.0	4,506.1	4,243.3	4,142.0	18.2	18.7	159.96	763.8	422.8	1,622.0	1,598.5	23.54	68.891			
4,700.0	4,604.9	4,336.4	4,232.4	18.5	19.1	160.16	783.3	433.0	1,658.5	1,634.3	24.15	68.666			
4,800.0	4,704.2	4,430.6	4,324.0	18.7	19.6	160.29	803.0	443.3	1,691.9	1,667.2	24.73	68.413			
4,900.0	4,803.8	4,525.8	4,416.5	18.9	20.1	160.36	822.9	453.7	1,722.2	1,696.9	25.28	68.135			
5,000.0	4,903.7	4,621.9	4,509.8	19.1	20.5	160.36	842.9	464.2	1,749.4	1,723.6	25.79	67.838			
5,100.0	5,003.6	4,718.7	4,604.0	19.2	21.0	45.35	863.2	474.8	1,773.4	1,747.1	26.27	67.516			
5,200.0	5,103.6	4,815.9	4,698.4	19.3	21.5	45.12	883.5	485.5	1,795.9	1,769.2	26.72	67.213			
5,300.0	5,203.6	4,913.1	4,792.8	19.4	22.0	44.90	903.8	496.1	1,818.5	1,791.3	27.17	66.919			
5,400.0	5,303.6	5,114.4	4,989.6	19.6	22.7	44.50	941.6	515.9	1,839.3	1,811.4	27.84	66.061			
5,500.0	5,403.6	5,373.7	5,246.4	19.7	23.4	44.19	972.2	532.0	1,852.1	1,823.5	28.53	64.924			
5,600.0	5,503.6	5,631.2	5,503.6	19.8	23.8	44.09	982.2	537.2	1,856.2	1,827.1	29.11	63.767			
5,700.0	5,603.6	5,731.2	5,603.6	19.9	23.9	44.09	982.2	537.2	1,856.2	1,826.7	29.44	63.045			
5,800.0	5,703.6	5,831.2	5,703.6	20.1	24.0	44.09	982.2	537.2	1,856.2	1,826.4	29.79	62.315			
5,900.0	5,803.6	5,931.2	5,803.6	20.2	24.1	44.09	982.2	537.2	1,856.2	1,826.0	30.13	61.596			
6,000.0	5,903.6	6,031.2	5,903.6	20.3	24.2	44.09	982.2	537.2	1,856.2	1,825.7	30.48	60.888			
6,100.0	6,003.6	6,131.2	6,003.6	20.4	24.4	44.09	982.2	537.2	1,856.2	1,825.3	30.84	60.191			
6,200.0	6,103.6	6,231.2	6,103.6	20.6	24.5	44.09	982.2	537.2	1,856.2	1,825.0	31.19	59.506			
6,300.0	6,203.6	6,331.2	6,203.6	20.7	24.6	44.09	982.2	537.2	1,856.2	1,824.6	31.55	58.831			
6,400.0	6,303.6	6,431.2	6,303.6	20.8	24.7	44.09	982.2	537.2	1,856.2	1,824.3	31.91	58.167			
6,500.0	6,403.6	6,531.2	6,403.6	21.0	24.8	44.09	982.2	537.2	1,856.2	1,823.9	32.27	57.514			
6,600.0	6,503.6	6,631.2	6,503.6	21.1	24.9	44.09	982.2	537.2	1,856.2	1,823.5	32.64	56.871			
6,700.0	6,603.6	6,731.2	6,603.6	21.3	25.1	44.09	982.2	537.2	1,856.2	1,823.2	33.00	56.239			
6,800.0	6,703.6	6,831.2	6,703.6	21.4	25.2	44.09	982.2	537.2	1,856.2	1,822.8	33.37	55.618			
6,900.0	6,803.6	6,931.2	6,803.6	21.6	25.3	44.09	982.2	537.2	1,856.2	1,822.4	33.74	55.007			
7,000.0	6,903.6	7,031.2	6,903.6	21.7	25.4	44.09	982.2	537.2	1,856.2	1,822.1	34.12	54.407			
7,100.0	7,003.6	7,131.2	7,003.6	21.8	25.6	44.09	982.2	537.2	1,856.2	1,821.7	34.49	53.816			
7,200.0	7,103.6	7,231.2	7,103.6	22.0	25.7	44.09	982.2	537.2	1,856.2	1,821.3	34.87	53.235			
7,300.0	7,203.6	7,331.2	7,203.6	22.1	25.8	44.09	982.2	537.2	1,856.2	1,820.9	35.25	52.665			
7,400.0	7,303.6	7,431.2	7,303.6	22.3	26.0	44.09	982.2	537.2	1,856.2	1,820.5	35.62	52.104			

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Reference Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (5-4-10)	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 43-29D - Wellbore #1 - Plan #1 (5-4-10)												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	0.0 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7,500.0	7,403.6	7,531.2	7,403.6	22.4	26.1	44.09	982.2	537.2	1,856.2	1,820.2	36.01	51.552	
7,600.0	7,503.6	7,631.2	7,503.6	22.6	26.2	44.09	982.2	537.2	1,856.2	1,819.8	36.39	51.010	
7,700.0	7,603.6	7,731.2	7,603.6	22.8	26.4	44.09	982.2	537.2	1,856.2	1,819.4	36.77	50.477	
7,746.4	7,650.0	7,777.6	7,650.0	22.8	26.4	44.09	982.2	537.2	1,856.2	1,819.2	36.95	50.233	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Reference Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (5-4-10)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5192.0ft (Original Well Elev) Coordinates are relative to: Pratt 34-29D  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.31°



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 34-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Reference Site:</b>	Pratt 34-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5192.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Pratt 34-29D	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM den0-adp01 Server Data
<b>Reference Design:</b>	Plan #1 (5-4-10)	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5192.0ft (Original Well Elev) Coordinates are relative to: Pratt 34-29D  
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone  
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.31°

