

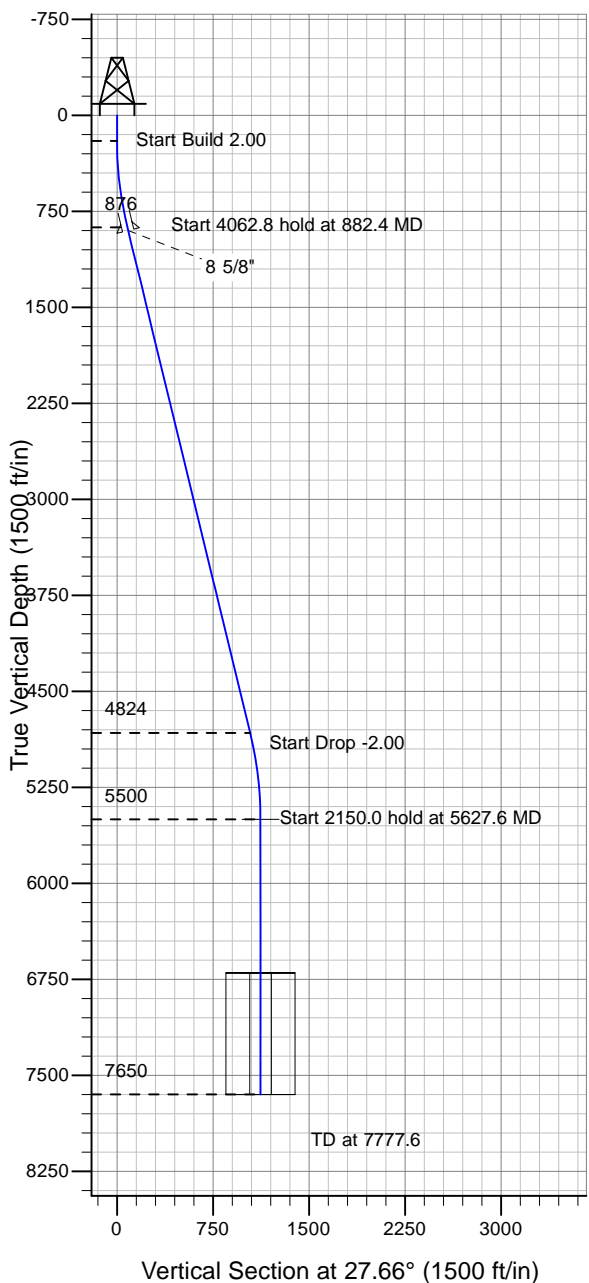
ENSIGN

Directional

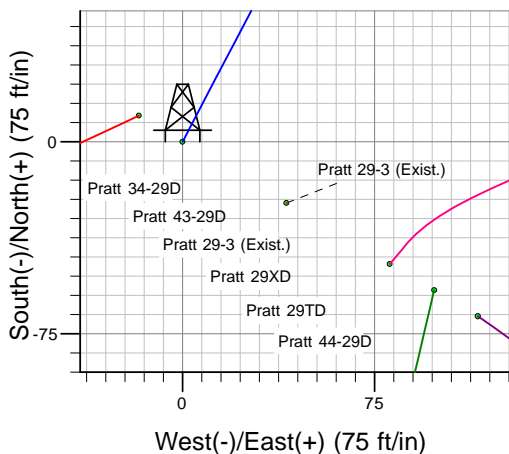
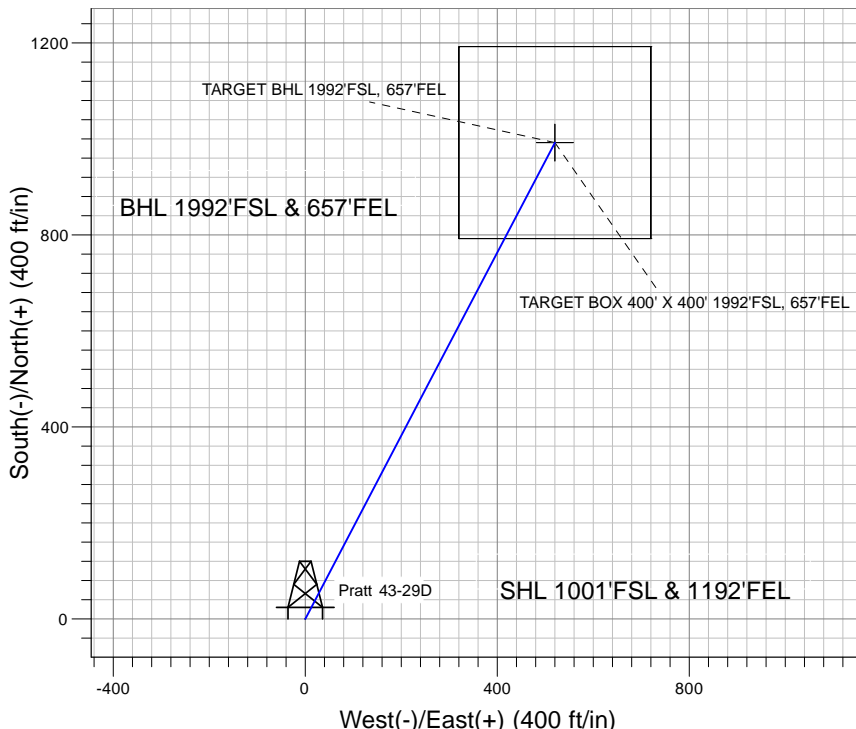
Well Name: Pratt 43-29D

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

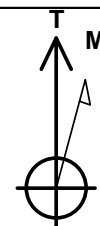
+N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1249578.19 3133765.83 40° 1' 2.964 N 105° 1' 20.647 W
 Original Well Elev WELL @ 5192.0ft (Original Well Elev)



Synergy Resources



Pratt 34-29D Pad Sec.29-T1N-R68W
 Pratt 43-29D
 Plan #1 (5-4-10)
 12:09, May 08 2010



Azimuths to True North
 Magnetic North: 9.11°

Magnetic Field
 Strength: 53015.6snT
 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 1992'FSL, 657'FEL	5500.0	992.4	520.1	40° 1' 12.770 N	105° 1' 13.962 W	Point
TARGET BOX 400' X 400' 1992'FSL, 657'FEL	6700.0	992.4	520.1	40° 1' 12.771 N	105° 1' 13.962 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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	882.4	13.65	27.66	876.0	71.6	37.5	2.00	27.66	80.9	
4	4945.2	13.65	27.66	4824.0	920.7	482.6	0.00	0.00	1039.5	
5	5627.6	0.00	0.00	5500.0	992.4	520.1	2.00	180.00	1120.4	TARGET BHL 1992'FSL, 657'FEL
6	7777.6	0.00	0.00	7650.0	992.4	520.1	0.00	0.00	1120.4	



Synergy Resources

SEC.29-T1N-R68W

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

Pratt 43-29D

Wellbore #1

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

Standard Planning Report

08 May, 2010

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1 (5-4-10)		

Project	SEC.29-T1N-R68W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	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:	3,133,748.69 ft	Longitude:	105° 1' 20.867 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.31 °

Well	Pratt 43-29D					
Well Position	+N/-S	-10.2 ft	Northing:	1,249,578.19 ft	Latitude:	40° 1' 2.964 N
	+E/-W	17.1 ft	Easting:	3,133,765.83 ft	Longitude:	105° 1' 20.647 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,179.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/4/2010	9.11	66.73	53,016

Design	Plan #1 (5-4-10)			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	27.66

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
882.4	13.65	27.66	876.0	71.6	37.5	2.00	2.00	0.00	27.66	
4,945.2	13.65	27.66	4,824.0	920.7	482.6	0.00	0.00	0.00	0.00	
5,627.6	0.00	0.00	5,500.0	992.4	520.1	2.00	-2.00	0.00	180.00	TARGET BHL 1992
7,777.6	0.00	0.00	7,650.0	992.4	520.1	0.00	0.00	0.00	0.00	

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	0.80	27.66	240.0	0.2	0.1	0.3	2.00	2.00	0.00
280.0	1.60	27.66	280.0	1.0	0.5	1.1	2.00	2.00	0.00
320.0	2.40	27.66	320.0	2.2	1.2	2.5	2.00	2.00	0.00
360.0	3.20	27.66	359.9	4.0	2.1	4.5	2.00	2.00	0.00
400.0	4.00	27.66	399.8	6.2	3.2	7.0	2.00	2.00	0.00
440.0	4.80	27.66	439.7	8.9	4.7	10.0	2.00	2.00	0.00
480.0	5.60	27.66	479.6	12.1	6.3	13.7	2.00	2.00	0.00
520.0	6.40	27.66	519.3	15.8	8.3	17.9	2.00	2.00	0.00
560.0	7.20	27.66	559.1	20.0	10.5	22.6	2.00	2.00	0.00
600.0	8.00	27.66	598.7	24.7	12.9	27.9	2.00	2.00	0.00
640.0	8.80	27.66	638.3	29.9	15.7	33.7	2.00	2.00	0.00
680.0	9.60	27.66	677.8	35.5	18.6	40.1	2.00	2.00	0.00
720.0	10.40	27.66	717.1	41.7	21.8	47.1	2.00	2.00	0.00
760.0	11.20	27.66	756.4	48.3	25.3	54.6	2.00	2.00	0.00
800.0	12.00	27.66	795.6	55.4	29.1	62.6	2.00	2.00	0.00
840.0	12.80	27.66	834.7	63.1	33.0	71.2	2.00	2.00	0.00
880.0	13.60	27.66	873.6	71.1	37.3	80.3	2.00	2.00	0.00
882.4	13.65	27.66	876.0	71.6	37.5	80.9	2.00	2.00	0.00
907.1	13.65	27.66	900.0	76.8	40.3	86.7	0.00	0.00	0.00
8 5/8"									
920.0	13.65	27.66	912.5	79.5	41.7	89.8	0.00	0.00	0.00
960.0	13.65	27.66	951.4	87.9	46.1	99.2	0.00	0.00	0.00
1,000.0	13.65	27.66	990.2	96.2	50.4	108.6	0.00	0.00	0.00
1,040.0	13.65	27.66	1,029.1	104.6	54.8	118.1	0.00	0.00	0.00
1,080.0	13.65	27.66	1,068.0	112.9	59.2	127.5	0.00	0.00	0.00
1,120.0	13.65	27.66	1,106.9	121.3	63.6	137.0	0.00	0.00	0.00
1,160.0	13.65	27.66	1,145.7	129.7	68.0	146.4	0.00	0.00	0.00
1,200.0	13.65	27.66	1,184.6	138.0	72.3	155.8	0.00	0.00	0.00
1,240.0	13.65	27.66	1,223.5	146.4	76.7	165.3	0.00	0.00	0.00
1,280.0	13.65	27.66	1,262.3	154.7	81.1	174.7	0.00	0.00	0.00
1,320.0	13.65	27.66	1,301.2	163.1	85.5	184.1	0.00	0.00	0.00
1,360.0	13.65	27.66	1,340.1	171.5	89.9	193.6	0.00	0.00	0.00
1,400.0	13.65	27.66	1,379.0	179.8	94.2	203.0	0.00	0.00	0.00
1,440.0	13.65	27.66	1,417.8	188.2	98.6	212.5	0.00	0.00	0.00
1,480.0	13.65	27.66	1,456.7	196.5	103.0	221.9	0.00	0.00	0.00
1,520.0	13.65	27.66	1,495.6	204.9	107.4	231.3	0.00	0.00	0.00
1,560.0	13.65	27.66	1,534.4	213.3	111.8	240.8	0.00	0.00	0.00
1,600.0	13.65	27.66	1,573.3	221.6	116.2	250.2	0.00	0.00	0.00
1,640.0	13.65	27.66	1,612.2	230.0	120.5	259.6	0.00	0.00	0.00
1,680.0	13.65	27.66	1,651.0	238.3	124.9	269.1	0.00	0.00	0.00
1,720.0	13.65	27.66	1,689.9	246.7	129.3	278.5	0.00	0.00	0.00
1,760.0	13.65	27.66	1,728.8	255.1	133.7	288.0	0.00	0.00	0.00
1,800.0	13.65	27.66	1,767.7	263.4	138.1	297.4	0.00	0.00	0.00
1,840.0	13.65	27.66	1,806.5	271.8	142.4	306.8	0.00	0.00	0.00
1,880.0	13.65	27.66	1,845.4	280.1	146.8	316.3	0.00	0.00	0.00
1,920.0	13.65	27.66	1,884.3	288.5	151.2	325.7	0.00	0.00	0.00
1,960.0	13.65	27.66	1,923.1	296.9	155.6	335.2	0.00	0.00	0.00
2,000.0	13.65	27.66	1,962.0	305.2	160.0	344.6	0.00	0.00	0.00

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	13.65	27.66	2,000.9	313.6	164.3	354.0	0.00	0.00	0.00
2,080.0	13.65	27.66	2,039.8	321.9	168.7	363.5	0.00	0.00	0.00
2,120.0	13.65	27.66	2,078.6	330.3	173.1	372.9	0.00	0.00	0.00
2,160.0	13.65	27.66	2,117.5	338.6	177.5	382.3	0.00	0.00	0.00
2,200.0	13.65	27.66	2,156.4	347.0	181.9	391.8	0.00	0.00	0.00
2,240.0	13.65	27.66	2,195.2	355.4	186.3	401.2	0.00	0.00	0.00
2,280.0	13.65	27.66	2,234.1	363.7	190.6	410.7	0.00	0.00	0.00
2,320.0	13.65	27.66	2,273.0	372.1	195.0	420.1	0.00	0.00	0.00
2,360.0	13.65	27.66	2,311.8	380.4	199.4	429.5	0.00	0.00	0.00
2,400.0	13.65	27.66	2,350.7	388.8	203.8	439.0	0.00	0.00	0.00
2,440.0	13.65	27.66	2,389.6	397.2	208.2	448.4	0.00	0.00	0.00
2,480.0	13.65	27.66	2,428.5	405.5	212.5	457.8	0.00	0.00	0.00
2,520.0	13.65	27.66	2,467.3	413.9	216.9	467.3	0.00	0.00	0.00
2,560.0	13.65	27.66	2,506.2	422.2	221.3	476.7	0.00	0.00	0.00
2,600.0	13.65	27.66	2,545.1	430.6	225.7	486.2	0.00	0.00	0.00
2,640.0	13.65	27.66	2,583.9	439.0	230.1	495.6	0.00	0.00	0.00
2,680.0	13.65	27.66	2,622.8	447.3	234.5	505.0	0.00	0.00	0.00
2,720.0	13.65	27.66	2,661.7	455.7	238.8	514.5	0.00	0.00	0.00
2,760.0	13.65	27.66	2,700.6	464.0	243.2	523.9	0.00	0.00	0.00
2,800.0	13.65	27.66	2,739.4	472.4	247.6	533.4	0.00	0.00	0.00
2,840.0	13.65	27.66	2,778.3	480.8	252.0	542.8	0.00	0.00	0.00
2,880.0	13.65	27.66	2,817.2	489.1	256.4	552.2	0.00	0.00	0.00
2,920.0	13.65	27.66	2,856.0	497.5	260.7	561.7	0.00	0.00	0.00
2,960.0	13.65	27.66	2,894.9	505.8	265.1	571.1	0.00	0.00	0.00
3,000.0	13.65	27.66	2,933.8	514.2	269.5	580.5	0.00	0.00	0.00
3,040.0	13.65	27.66	2,972.6	522.6	273.9	590.0	0.00	0.00	0.00
3,080.0	13.65	27.66	3,011.5	530.9	278.3	599.4	0.00	0.00	0.00
3,120.0	13.65	27.66	3,050.4	539.3	282.6	608.9	0.00	0.00	0.00
3,160.0	13.65	27.66	3,089.3	547.6	287.0	618.3	0.00	0.00	0.00
3,200.0	13.65	27.66	3,128.1	556.0	291.4	627.7	0.00	0.00	0.00
3,240.0	13.65	27.66	3,167.0	564.4	295.8	637.2	0.00	0.00	0.00
3,280.0	13.65	27.66	3,205.9	572.7	300.2	646.6	0.00	0.00	0.00
3,320.0	13.65	27.66	3,244.7	581.1	304.6	656.0	0.00	0.00	0.00
3,360.0	13.65	27.66	3,283.6	589.4	308.9	665.5	0.00	0.00	0.00
3,400.0	13.65	27.66	3,322.5	597.8	313.3	674.9	0.00	0.00	0.00
3,440.0	13.65	27.66	3,361.4	606.1	317.7	684.4	0.00	0.00	0.00
3,480.0	13.65	27.66	3,400.2	614.5	322.1	693.8	0.00	0.00	0.00
3,520.0	13.65	27.66	3,439.1	622.9	326.5	703.2	0.00	0.00	0.00
3,560.0	13.65	27.66	3,478.0	631.2	330.8	712.7	0.00	0.00	0.00
3,600.0	13.65	27.66	3,516.8	639.6	335.2	722.1	0.00	0.00	0.00
3,640.0	13.65	27.66	3,555.7	647.9	339.6	731.5	0.00	0.00	0.00
3,680.0	13.65	27.66	3,594.6	656.3	344.0	741.0	0.00	0.00	0.00
3,720.0	13.65	27.66	3,633.4	664.7	348.4	750.4	0.00	0.00	0.00
3,760.0	13.65	27.66	3,672.3	673.0	352.7	759.9	0.00	0.00	0.00
3,800.0	13.65	27.66	3,711.2	681.4	357.1	769.3	0.00	0.00	0.00
3,840.0	13.65	27.66	3,750.1	689.7	361.5	778.7	0.00	0.00	0.00
3,880.0	13.65	27.66	3,788.9	698.1	365.9	788.2	0.00	0.00	0.00
3,920.0	13.65	27.66	3,827.8	706.5	370.3	797.6	0.00	0.00	0.00
3,960.0	13.65	27.66	3,866.7	714.8	374.7	807.1	0.00	0.00	0.00
4,000.0	13.65	27.66	3,905.5	723.2	379.0	816.5	0.00	0.00	0.00
4,040.0	13.65	27.66	3,944.4	731.5	383.4	825.9	0.00	0.00	0.00
4,080.0	13.65	27.66	3,983.3	739.9	387.8	835.4	0.00	0.00	0.00
4,120.0	13.65	27.66	4,022.2	748.3	392.2	844.8	0.00	0.00	0.00
4,160.0	13.65	27.66	4,061.0	756.6	396.6	854.2	0.00	0.00	0.00

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	13.65	27.66	4,099.9	765.0	400.9	863.7	0.00	0.00	0.00
4,240.0	13.65	27.66	4,138.8	773.3	405.3	873.1	0.00	0.00	0.00
4,280.0	13.65	27.66	4,177.6	781.7	409.7	882.6	0.00	0.00	0.00
4,320.0	13.65	27.66	4,216.5	790.1	414.1	892.0	0.00	0.00	0.00
4,360.0	13.65	27.66	4,255.4	798.4	418.5	901.4	0.00	0.00	0.00
4,400.0	13.65	27.66	4,294.2	806.8	422.8	910.9	0.00	0.00	0.00
4,440.0	13.65	27.66	4,333.1	815.1	427.2	920.3	0.00	0.00	0.00
4,480.0	13.65	27.66	4,372.0	823.5	431.6	929.7	0.00	0.00	0.00
4,520.0	13.65	27.66	4,410.9	831.9	436.0	939.2	0.00	0.00	0.00
4,560.0	13.65	27.66	4,449.7	840.2	440.4	948.6	0.00	0.00	0.00
4,600.0	13.65	27.66	4,488.6	848.6	444.8	958.1	0.00	0.00	0.00
4,640.0	13.65	27.66	4,527.5	856.9	449.1	967.5	0.00	0.00	0.00
4,680.0	13.65	27.66	4,566.3	865.3	453.5	976.9	0.00	0.00	0.00
4,720.0	13.65	27.66	4,605.2	873.7	457.9	986.4	0.00	0.00	0.00
4,760.0	13.65	27.66	4,644.1	882.0	462.3	995.8	0.00	0.00	0.00
4,800.0	13.65	27.66	4,683.0	890.4	466.7	1,005.3	0.00	0.00	0.00
4,840.0	13.65	27.66	4,721.8	898.7	471.0	1,014.7	0.00	0.00	0.00
4,880.0	13.65	27.66	4,760.7	907.1	475.4	1,024.1	0.00	0.00	0.00
4,920.0	13.65	27.66	4,799.6	915.4	479.8	1,033.6	0.00	0.00	0.00
4,945.2	13.65	27.66	4,824.0	920.7	482.6	1,039.5	0.00	0.00	0.00
4,960.0	13.35	27.66	4,838.4	923.8	484.2	1,043.0	2.00	-2.00	0.00
5,000.0	12.55	27.66	4,877.4	931.7	488.3	1,051.9	2.00	-2.00	0.00
5,040.0	11.75	27.66	4,916.5	939.2	492.2	1,060.4	2.00	-2.00	0.00
5,080.0	10.95	27.66	4,955.7	946.1	495.9	1,068.2	2.00	-2.00	0.00
5,120.0	10.15	27.66	4,995.1	952.6	499.3	1,075.6	2.00	-2.00	0.00
5,160.0	9.35	27.66	5,034.5	958.6	502.4	1,082.3	2.00	-2.00	0.00
5,200.0	8.55	27.66	5,074.0	964.1	505.3	1,088.5	2.00	-2.00	0.00
5,240.0	7.75	27.66	5,113.6	969.2	508.0	1,094.2	2.00	-2.00	0.00
5,280.0	6.95	27.66	5,153.3	973.7	510.3	1,099.3	2.00	-2.00	0.00
5,320.0	6.15	27.66	5,193.0	977.7	512.5	1,103.9	2.00	-2.00	0.00
5,360.0	5.35	27.66	5,232.8	981.3	514.3	1,107.9	2.00	-2.00	0.00
5,400.0	4.55	27.66	5,272.7	984.4	515.9	1,111.4	2.00	-2.00	0.00
5,440.0	3.75	27.66	5,312.6	986.9	517.3	1,114.3	2.00	-2.00	0.00
5,480.0	2.95	27.66	5,352.5	989.0	518.4	1,116.6	2.00	-2.00	0.00
5,520.0	2.15	27.66	5,392.4	990.6	519.2	1,118.4	2.00	-2.00	0.00
5,560.0	1.35	27.66	5,432.4	991.7	519.7	1,119.6	2.00	-2.00	0.00
5,600.0	0.55	27.66	5,472.4	992.2	520.1	1,120.3	2.00	-2.00	0.00
5,627.6	0.00	0.00	5,500.0	992.4	520.1	1,120.4	2.00	-2.00	-100.28
TARGET BHL 1992'FSL, 657'FEL									
5,640.0	0.00	0.00	5,512.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,680.0	0.00	0.00	5,552.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,720.0	0.00	0.00	5,592.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,760.0	0.00	0.00	5,632.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,672.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,840.0	0.00	0.00	5,712.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,880.0	0.00	0.00	5,752.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,920.0	0.00	0.00	5,792.4	992.4	520.1	1,120.4	0.00	0.00	0.00
5,960.0	0.00	0.00	5,832.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,872.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,040.0	0.00	0.00	5,912.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,080.0	0.00	0.00	5,952.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,120.0	0.00	0.00	5,992.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,160.0	0.00	0.00	6,032.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,072.4	992.4	520.1	1,120.4	0.00	0.00	0.00

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	6,112.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,280.0	0.00	0.00	6,152.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,320.0	0.00	0.00	6,192.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,360.0	0.00	0.00	6,232.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,272.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,440.0	0.00	0.00	6,312.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,480.0	0.00	0.00	6,352.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,520.0	0.00	0.00	6,392.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,560.0	0.00	0.00	6,432.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,472.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,640.0	0.00	0.00	6,512.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,680.0	0.00	0.00	6,552.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,720.0	0.00	0.00	6,592.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,760.0	0.00	0.00	6,632.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,672.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,827.6	0.00	0.00	6,700.0	992.4	520.1	1,120.4	0.00	0.00	0.00
TARGET BOX 400' X 400' 1992'FSL, 657'FEL									
6,840.0	0.00	0.00	6,712.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,880.0	0.00	0.00	6,752.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,920.0	0.00	0.00	6,792.4	992.4	520.1	1,120.4	0.00	0.00	0.00
6,960.0	0.00	0.00	6,832.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,872.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,040.0	0.00	0.00	6,912.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,080.0	0.00	0.00	6,952.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,120.0	0.00	0.00	6,992.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,160.0	0.00	0.00	7,032.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,072.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,240.0	0.00	0.00	7,112.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,280.0	0.00	0.00	7,152.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,320.0	0.00	0.00	7,192.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,360.0	0.00	0.00	7,232.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,272.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,440.0	0.00	0.00	7,312.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,480.0	0.00	0.00	7,352.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,520.0	0.00	0.00	7,392.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,560.0	0.00	0.00	7,432.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,472.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,640.0	0.00	0.00	7,512.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,680.0	0.00	0.00	7,552.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,720.0	0.00	0.00	7,592.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,760.0	0.00	0.00	7,632.4	992.4	520.1	1,120.4	0.00	0.00	0.00
7,777.6	0.00	0.00	7,650.0	992.4	520.1	1,120.4	0.00	0.00	0.00

Database:	EDM den0-adp01 Server Data	Local Co-ordinate Reference:	Well Pratt 43-29D
Company:	Synergy Resources	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Project:	SEC.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	North Reference:	True
Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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 BHL 1992'F:	0.00	0.00	5,500.0	992.4	520.1	1,250,573.30	3,134,280.58	40° 1' 12.770 N	105° 1' 13.962 W
- plan hits target center									
- Point									
TARGET BOX 400' X	0.00	0.00	6,700.0	992.4	520.1	1,250,573.34	3,134,280.56	40° 1' 12.771 N	105° 1' 13.962 W
- plan hits target center									
- Rectangle (sides W400.0 H400.0 D950.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)		Name	Casing Diameter (")	Hole Diameter (")
907.1	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 43-29D

Wellbore #1

Plan #1 (5-4-10)

Anticollision Report

08 May, 2010

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	5/8/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,777.6	Plan #1 (5-4-10) (Wellbore #1)	MWD	MWD - Standard	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Pratt 34-29D Pad Sec.29-T1N-R68W						
Pratt 29-3 (Exist.) - Wellbore #1 - Design #1	200.0	200.0	47.1	46.4	72.734	CC
Pratt 29-3 (Exist.) - Wellbore #1 - Design #1	300.0	300.0	47.2	46.1	43.081	ES
Pratt 29-3 (Exist.) - Wellbore #1 - Design #1	700.0	697.5	65.7	62.7	21.723	SF
Pratt 34-29D - Wellbore #1 - Plan #1 (5-4-10)	279.5	279.5	19.9	18.9	19.840	CC
Pratt 34-29D - Wellbore #1 - Plan #1 (5-4-10)	300.0	300.0	19.9	18.8	18.183	ES
Pratt 34-29D - Wellbore #1 - Plan #1 (5-4-10)	500.0	499.5	24.7	22.6	12.203	SF

Offset Design													Offset Site Error:	
Survey Program: 0-MWD													Offset Well Error:	
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	
0.0	0.0	0.0	0.0	0.0	0.0	120.49	-23.9	40.6	47.1					
100.0	100.0	100.0	100.0	0.1	0.1	120.49	-23.9	40.6	47.1		0.20	238.039		
200.0	200.0	200.0	200.0	0.3	0.3	120.49	-23.9	40.6	47.1	46.4	0.65	72.734	CC	
300.0	300.0	300.0	300.0	0.5	0.5	94.94	-23.9	40.6	47.2	46.1	1.10	43.081	ES	
400.0	399.8	399.8	399.8	0.8	0.8	101.16	-23.9	40.6	47.9	46.4	1.55	30.903		
500.0	499.5	499.5	499.5	1.0	1.0	110.86	-23.9	40.6	50.4	48.3	2.03	24.852		
600.0	598.7	598.7	598.7	1.3	1.2	122.46	-23.9	40.6	55.9	53.4	2.52	22.163		
700.0	697.5	697.5	697.5	1.6	1.4	133.83	-23.9	40.6	65.7	62.7	3.02	21.723	SF	
800.0	795.6	795.6	795.6	2.0	1.7	143.48	-23.9	40.6	80.2	76.6	3.52	22.793		
900.0	893.1	893.1	893.1	2.4	1.9	151.02	-23.9	40.6	99.2	95.2	4.00	24.807		
1,000.0	990.2	990.2	990.2	2.9	2.1	156.44	-23.9	40.6	120.5	116.0	4.47	26.946		
1,100.0	1,087.4	1,087.4	1,087.4	3.4	2.3	160.22	-23.9	40.6	142.5	137.6	4.94	28.832		
1,200.0	1,184.6	1,184.6	1,184.6	3.8	2.5	162.99	-23.9	40.6	165.0	159.6	5.42	30.464		
1,300.0	1,281.8	1,281.8	1,281.8	4.3	2.8	165.09	-23.9	40.6	187.7	181.8	5.89	31.871		
1,400.0	1,379.0	1,379.0	1,379.0	4.8	3.0	166.74	-23.9	40.6	210.7	204.3	6.37	33.087		
1,500.0	1,476.1	1,476.1	1,476.1	5.3	3.2	168.06	-23.9	40.6	233.7	226.9	6.85	34.144		
1,600.0	1,573.3	1,573.3	1,573.3	5.7	3.4	169.15	-23.9	40.6	256.9	249.5	7.33	35.067		
1,700.0	1,670.5	1,670.5	1,670.5	6.2	3.6	170.06	-23.9	40.6	280.1	272.3	7.81	35.880		
1,800.0	1,767.7	1,767.7	1,767.7	6.7	3.8	170.83	-23.9	40.6	303.4	295.1	8.29	36.599		
1,900.0	1,864.8	1,864.8	1,864.8	7.2	4.1	171.49	-23.9	40.6	326.7	317.9	8.77	37.240		
2,000.0	1,962.0	1,962.0	1,962.0	7.7	4.3	172.06	-23.9	40.6	350.1	340.8	9.26	37.813		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 29-3 (Exist.) - Wellbore #1 - Design #1													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		
2,100.0	2,059.2	2,059.2	2,059.2	8.2	4.5	172.56	-23.9	40.6	373.5	363.7	9.74	38.329		
2,200.0	2,156.4	2,156.4	2,156.4	8.7	4.7	173.00	-23.9	40.6	396.9	386.7	10.23	38.796		
2,300.0	2,253.5	2,253.5	2,253.5	9.2	4.9	173.39	-23.9	40.6	420.3	409.6	10.72	39.220		
2,400.0	2,350.7	2,350.7	2,350.7	9.6	5.2	173.74	-23.9	40.6	443.8	432.6	11.21	39.606		
2,500.0	2,447.9	2,447.9	2,447.9	10.1	5.4	174.06	-23.9	40.6	467.3	455.6	11.69	39.960		
2,600.0	2,545.1	2,545.1	2,545.1	10.6	5.6	174.34	-23.9	40.6	490.7	478.6	12.18	40.284		
2,700.0	2,642.2	2,642.2	2,642.2	11.1	5.8	174.60	-23.9	40.6	514.2	501.6	12.67	40.584		
2,800.0	2,739.4	2,739.4	2,739.4	11.6	6.0	174.84	-23.9	40.6	537.7	524.6	13.16	40.860		
2,900.0	2,836.6	2,836.6	2,836.6	12.1	6.3	175.05	-23.9	40.6	561.2	547.6	13.65	41.117		
3,000.0	2,933.8	2,933.8	2,933.8	12.6	6.5	175.25	-23.9	40.6	584.8	570.6	14.14	41.355		
3,100.0	3,031.0	3,031.0	3,031.0	13.1	6.7	175.44	-23.9	40.6	608.3	593.6	14.63	41.577		
3,200.0	3,128.1	3,128.1	3,128.1	13.6	6.9	175.61	-23.9	40.6	631.8	616.7	15.12	41.784		
3,300.0	3,225.3	3,225.3	3,225.3	14.0	7.1	175.77	-23.9	40.6	655.3	639.7	15.61	41.977		
3,400.0	3,322.5	3,322.5	3,322.5	14.5	7.3	175.91	-23.9	40.6	678.9	662.8	16.10	42.159		
3,500.0	3,419.7	3,419.7	3,419.7	15.0	7.6	176.05	-23.9	40.6	702.4	685.8	16.59	42.330		
3,600.0	3,516.8	3,516.8	3,516.8	15.5	7.8	176.18	-23.9	40.6	726.0	708.9	17.09	42.490		
3,700.0	3,614.0	3,614.0	3,614.0	16.0	8.0	176.30	-23.9	40.6	749.5	731.9	17.58	42.641		
3,800.0	3,711.2	3,711.2	3,711.2	16.5	8.2	176.41	-23.9	40.6	773.1	755.0	18.07	42.784		
3,900.0	3,808.4	3,808.4	3,808.4	17.0	8.4	176.52	-23.9	40.6	796.6	778.0	18.56	42.919		
4,000.0	3,905.5	3,905.5	3,905.5	17.5	8.7	176.62	-23.9	40.6	820.2	801.1	19.05	43.047		
4,100.0	4,002.7	4,002.7	4,002.7	18.0	8.9	176.71	-23.9	40.6	843.7	824.2	19.55	43.168		
4,200.0	4,099.9	4,099.9	4,099.9	18.5	9.1	176.80	-23.9	40.6	867.3	847.2	20.04	43.283		
4,300.0	4,197.1	4,197.1	4,197.1	19.0	9.3	176.89	-23.9	40.6	890.8	870.3	20.53	43.392		
4,400.0	4,294.2	4,294.2	4,294.2	19.4	9.5	176.97	-23.9	40.6	914.4	893.4	21.02	43.496		
4,500.0	4,391.4	4,391.4	4,391.4	19.9	9.7	177.04	-23.9	40.6	938.0	916.5	21.52	43.595		
4,600.0	4,488.6	4,488.6	4,488.6	20.4	10.0	177.12	-23.9	40.6	961.5	939.5	22.01	43.690		
4,700.0	4,585.8	4,585.8	4,585.8	20.9	10.2	177.18	-23.9	40.6	985.1	962.6	22.50	43.780		
4,800.0	4,683.0	4,683.0	4,683.0	21.4	10.4	177.25	-23.9	40.6	1,008.7	985.7	22.99	43.866		
4,900.0	4,780.1	4,780.1	4,780.1	21.9	10.6	177.31	-23.9	40.6	1,032.2	1,008.8	23.49	43.948		
5,000.0	4,877.4	4,877.4	4,877.4	22.4	10.8	177.38	-23.9	40.6	1,055.3	1,031.3	24.01	43.959		
5,100.0	4,975.4	4,975.4	4,975.4	22.7	11.1	177.45	-23.9	40.6	1,075.3	1,050.8	24.50	43.895		
5,200.0	5,074.0	5,074.0	5,074.0	23.0	11.3	177.50	-23.9	40.6	1,091.9	1,066.9	24.95	43.757		
5,300.0	5,173.1	5,173.1	5,173.1	23.3	11.5	177.54	-23.9	40.6	1,105.0	1,079.6	25.37	43.549		
5,400.0	5,272.7	5,272.7	5,272.7	23.5	11.7	177.57	-23.9	40.6	1,114.7	1,088.9	25.76	43.276		
5,500.0	5,372.5	5,372.5	5,372.5	23.6	12.0	177.59	-23.9	40.6	1,120.9	1,094.8	26.10	42.941		
5,600.0	5,472.4	5,472.4	5,472.4	23.8	12.2	177.60	-23.9	40.6	1,123.6	1,097.2	26.41	42.545		
5,700.0	5,572.4	5,572.4	5,572.4	23.9	12.4	-154.74	-23.9	40.6	1,123.7	1,096.9	26.77	41.979		
5,800.0	5,672.4	5,672.4	5,672.4	24.0	12.6	-154.74	-23.9	40.6	1,123.7	1,096.5	27.18	41.350		
5,900.0	5,772.4	5,772.4	5,772.4	24.1	12.8	-154.74	-23.9	40.6	1,123.7	1,096.1	27.58	40.738		
6,000.0	5,872.4	5,872.4	5,872.4	24.2	13.1	-154.74	-23.9	40.6	1,123.7	1,095.7	27.99	40.143		
6,100.0	5,972.4	5,972.4	5,972.4	24.3	13.3	-154.74	-23.9	40.6	1,123.7	1,095.3	28.40	39.563		
6,200.0	6,072.4	6,072.4	6,072.4	24.4	13.5	-154.74	-23.9	40.6	1,123.7	1,094.9	28.81	38.998		
6,300.0	6,172.4	6,172.4	6,172.4	24.5	13.7	-154.74	-23.9	40.6	1,123.7	1,094.5	29.23	38.448		
6,400.0	6,272.4	6,272.4	6,272.4	24.7	14.0	-154.74	-23.9	40.6	1,123.7	1,094.1	29.64	37.912		
6,500.0	6,372.4	6,372.4	6,372.4	24.8	14.2	-154.74	-23.9	40.6	1,123.7	1,093.7	30.05	37.389		
6,600.0	6,472.4	6,472.4	6,472.4	24.9	14.4	-154.74	-23.9	40.6	1,123.7	1,093.2	30.47	36.880		
6,700.0	6,572.4	6,572.4	6,572.4	25.0	14.6	-154.74	-23.9	40.6	1,123.7	1,092.8	30.89	36.383		
6,800.0	6,672.4	6,672.4	6,672.4	25.1	14.9	-154.74	-23.9	40.6	1,123.7	1,092.4	31.30	35.898		
6,900.0	6,772.4	6,772.4	6,772.4	25.3	15.1	-154.74	-23.9	40.6	1,123.7	1,092.0	31.72	35.425		
7,000.0	6,872.4	6,872.4	6,872.4	25.4	15.3	-154.74	-23.9	40.6	1,123.7	1,091.6	32.14	34.964		
7,100.0	6,972.4	6,972.4	6,972.4	25.5	15.5	-154.74	-23.9	40.6	1,123.7	1,091.1	32.56	34.514		
7,200.0	7,072.4	7,072.4	7,072.4	25.7	15.8	-154.74	-23.9	40.6	1,123.7	1,090.7	32.98	34.074		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 29-3 (Exist.) - Wellbore #1 - Design #1												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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
7,300.0	7,172.4	7,172.4	7,172.4	25.8	16.0	-154.74	-23.9	40.6	1,123.7	1,090.3	33.40	33.645			
7,400.0	7,272.4	7,272.4	7,272.4	25.9	16.2	-154.74	-23.9	40.6	1,123.7	1,089.9	33.82	33.226			
7,500.0	7,372.4	7,372.4	7,372.4	26.0	16.4	-154.74	-23.9	40.6	1,123.7	1,089.5	34.24	32.816			
7,600.0	7,472.4	7,472.4	7,472.4	26.2	16.7	-154.74	-23.9	40.6	1,123.7	1,089.0	34.67	32.416			
7,700.0	7,572.4	7,572.4	7,572.4	26.3	16.9	-154.74	-23.9	40.6	1,123.7	1,088.6	35.09	32.025			
7,777.6	7,650.0	7,650.0	7,650.0	26.4	17.1	-154.74	-23.9	40.6	1,123.7	1,088.3	35.42	31.728			

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 34-29D - 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	-59.16	10.2	-17.1	19.9				
100.0	100.0	100.0	100.0	0.1	0.1	-59.16	10.2	-17.1	19.9	19.7	0.20	101.759	
200.0	200.0	200.0	200.0	0.3	0.3	-59.16	10.2	-17.1	19.9	19.3	0.65	30.847	
279.5	279.5	279.5	279.5	0.5	0.5	-90.00	10.2	-17.1	19.9	18.9	1.00	19.840	CC
300.0	300.0	300.0	300.0	0.5	0.5	-91.85	10.2	-17.1	19.9	18.8	1.09	18.183	ES
400.0	399.8	399.8	399.8	0.8	0.8	-106.44	10.2	-17.1	20.7	19.2	1.55	13.381	
500.0	499.5	499.5	499.5	1.0	1.0	-126.14	10.2	-17.1	24.7	22.6	2.02	12.203	SF
600.0	598.7	598.7	598.7	1.3	1.2	-143.16	10.2	-17.1	33.3	30.8	2.50	13.357	
700.0	697.5	697.5	697.5	1.6	1.4	-154.56	10.2	-17.1	46.8	43.9	2.97	15.790	
800.0	795.6	795.6	795.6	2.0	1.7	-161.72	10.2	-17.1	64.6	61.2	3.43	18.827	
900.0	893.1	893.1	893.1	2.4	1.9	-166.31	10.2	-17.1	86.3	82.4	3.90	22.129	
1,000.0	990.2	990.2	990.2	2.9	2.1	-169.24	10.2	-17.1	109.4	105.0	4.37	25.051	
1,100.0	1,087.4	1,084.0	1,084.0	3.4	2.3	-170.82	9.7	-18.2	133.8	128.9	4.82	27.740	
1,200.0	1,184.6	1,176.1	1,176.0	3.8	2.5	-171.37	7.9	-22.0	160.9	155.7	5.28	30.499	
1,300.0	1,281.8	1,266.6	1,266.3	4.3	2.7	-171.31	5.0	-28.3	190.8	185.1	5.74	33.252	
1,400.0	1,379.0	1,355.6	1,354.7	4.8	2.9	-170.90	0.9	-37.1	223.3	217.1	6.21	35.980	
1,500.0	1,476.1	1,442.8	1,441.0	5.3	3.1	-170.29	-4.2	-48.0	258.3	251.6	6.68	38.668	
1,600.0	1,573.3	1,528.1	1,525.1	5.7	3.3	-169.58	-10.3	-61.1	295.8	288.7	7.16	41.313	
1,700.0	1,670.5	1,611.4	1,606.8	6.2	3.6	-168.82	-17.2	-76.0	335.8	328.2	7.65	43.911	
1,800.0	1,767.7	1,692.8	1,686.0	6.7	3.9	-168.05	-25.0	-92.7	378.2	370.1	8.14	46.454	
1,900.0	1,864.8	1,780.3	1,770.9	7.2	4.2	-167.27	-34.0	-112.1	422.3	413.6	8.66	48.766	
2,000.0	1,962.0	1,869.9	1,857.8	7.7	4.6	-166.62	-43.3	-132.0	466.5	457.3	9.18	50.835	
2,100.0	2,059.2	1,959.5	1,944.6	8.2	5.0	-166.08	-52.6	-152.0	510.7	501.0	9.70	52.632	
2,200.0	2,156.4	2,049.1	2,031.5	8.7	5.4	-165.63	-61.9	-171.9	554.9	544.7	10.23	54.246	
2,300.0	2,253.5	2,138.7	2,118.3	9.2	5.9	-165.24	-71.1	-191.8	599.2	588.4	10.76	55.688	
2,400.0	2,350.7	2,228.3	2,205.2	9.6	6.3	-164.90	-80.4	-211.8	643.5	632.2	11.29	56.973	
2,500.0	2,447.9	2,317.9	2,292.1	10.1	6.7	-164.61	-89.7	-231.7	687.8	675.9	11.83	58.128	
2,600.0	2,545.1	2,407.5	2,378.9	10.6	7.2	-164.36	-99.0	-251.7	732.1	719.7	12.37	59.171	
2,700.0	2,642.2	2,497.1	2,465.8	11.1	7.6	-164.13	-108.3	-271.6	776.4	763.5	12.91	60.116	
2,800.0	2,739.4	2,586.7	2,552.6	11.6	8.1	-163.93	-117.5	-291.5	820.7	807.3	13.46	60.975	
2,900.0	2,836.6	2,676.3	2,639.5	12.1	8.5	-163.75	-126.8	-311.5	865.0	851.0	14.01	61.760	
3,000.0	2,933.8	2,765.9	2,726.4	12.6	9.0	-163.58	-136.1	-331.4	909.4	894.8	14.55	62.480	
3,100.0	3,031.0	2,855.5	2,813.2	13.1	9.4	-163.44	-145.4	-351.3	953.7	938.6	15.10	63.143	
3,200.0	3,128.1	2,945.1	2,900.1	13.6	9.9	-163.30	-154.7	-371.3	998.1	982.4	15.66	63.754	
3,300.0	3,225.3	3,034.7	2,986.9	14.0	10.3	-163.18	-163.9	-391.2	1,042.4	1,026.2	16.21	64.319	
3,400.0	3,322.5	3,124.3	3,073.8	14.5	10.8	-163.06	-173.2	-411.2	1,086.8	1,070.0	16.76	64.843	
3,500.0	3,419.7	3,213.9	3,160.7	15.0	11.3	-162.96	-182.5	-431.1	1,131.2	1,113.9	17.31	65.330	
3,600.0	3,516.8	3,303.5	3,247.5	15.5	11.7	-162.86	-191.8	-451.0	1,175.5	1,157.7	17.87	65.784	
3,700.0	3,614.0	3,393.1	3,334.4	16.0	12.2	-162.77	-201.1	-471.0	1,219.9	1,201.5	18.43	66.208	
3,800.0	3,711.2	3,482.7	3,421.3	16.5	12.7	-162.69	-210.3	-490.9	1,264.3	1,245.3	18.98	66.604	
3,900.0	3,808.4	3,572.3	3,508.1	17.0	13.1	-162.61	-219.6	-510.8	1,308.7	1,289.1	19.54	66.975	
4,000.0	3,905.5	3,661.9	3,595.0	17.5	13.6	-162.54	-228.9	-530.8	1,353.0	1,332.9	20.10	67.323	
4,100.0	4,002.7	3,751.5	3,681.8	18.0	14.1	-162.47	-238.2	-550.7	1,397.4	1,376.8	20.66	67.651	
4,200.0	4,099.9	3,841.1	3,768.7	18.5	14.6	-162.40	-247.5	-570.7	1,441.8	1,420.6	21.22	67.960	
4,300.0	4,197.1	3,930.7	3,855.6	19.0	15.0	-162.34	-256.7	-590.6	1,486.2	1,464.4	21.77	68.252	
4,400.0	4,294.2	4,020.3	3,942.4	19.4	15.5	-162.29	-266.0	-610.5	1,530.5	1,508.2	22.33	68.527	
4,500.0	4,391.4	4,109.9	4,029.3	19.9	16.0	-162.23	-275.3	-630.5	1,574.9	1,552.0	22.90	68.787	
4,600.0	4,488.6	4,199.5	4,116.1	20.4	16.4	-162.18	-284.6	-650.4	1,619.3	1,595.9	23.46	69.034	
4,700.0	4,585.8	4,289.1	4,203.0	20.9	16.9	-162.14	-293.9	-670.4	1,663.7	1,639.7	24.02	69.268	
4,800.0	4,683.0	4,378.7	4,289.9	21.4	17.4	-162.09	-303.1	-690.3	1,708.1	1,683.5	24.58	69.490	
4,900.0	4,780.1	4,578.9	4,485.4	21.9	18.1	-162.08	-321.2	-729.1	1,749.9	1,724.5	25.36	69.008	
5,000.0	4,877.4	4,801.3	4,705.4	22.4	18.7	-162.36	-334.5	-757.6	1,784.7	1,758.5	26.18	68.166	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 34-29D - 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							
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	
5,100.0	4,975.4	5,036.1	4,939.8	22.7	19.1	-162.81	-340.6	-770.8	1,809.5	1,782.6	26.96	67.130		
5,200.0	5,074.0	5,170.4	5,074.0	23.0	19.3	-163.11	-340.9	-771.3	1,825.6	1,798.2	27.49	66.402		
5,300.0	5,173.1	5,269.5	5,173.1	23.3	19.4	-163.30	-340.9	-771.3	1,838.2	1,810.3	27.94	65.799		
5,400.0	5,272.7	5,369.0	5,272.7	23.5	19.5	-163.44	-340.9	-771.3	1,847.5	1,819.2	28.34	65.193		
5,500.0	5,372.5	5,468.8	5,372.5	23.6	19.6	-163.53	-340.9	-771.3	1,853.4	1,824.7	28.70	64.583		
5,600.0	5,472.4	5,568.8	5,472.4	23.8	19.8	-163.57	-340.9	-771.3	1,856.0	1,827.0	29.02	63.965		
5,700.0	5,572.4	5,668.8	5,572.4	23.9	19.9	-135.91	-340.9	-771.3	1,856.2	1,826.8	29.33	63.276		
5,800.0	5,672.4	5,768.8	5,672.4	24.0	20.0	-135.91	-340.9	-771.3	1,856.2	1,826.5	29.68	62.542		
5,900.0	5,772.4	5,868.8	5,772.4	24.1	20.1	-135.91	-340.9	-771.3	1,856.2	1,826.1	30.03	61.820		
6,000.0	5,872.4	5,968.8	5,872.4	24.2	20.3	-135.91	-340.9	-771.3	1,856.2	1,825.8	30.38	61.108		
6,100.0	5,972.4	6,068.8	5,972.4	24.3	20.4	-135.91	-340.9	-771.3	1,856.2	1,825.4	30.73	60.408		
6,200.0	6,072.4	6,168.8	6,072.4	24.4	20.5	-135.91	-340.9	-771.3	1,856.2	1,825.1	31.08	59.718		
6,300.0	6,172.4	6,268.8	6,172.4	24.5	20.7	-135.91	-340.9	-771.3	1,856.2	1,824.7	31.44	59.040		
6,400.0	6,272.4	6,368.8	6,272.4	24.7	20.8	-135.91	-340.9	-771.3	1,856.2	1,824.4	31.80	58.373		
6,500.0	6,372.4	6,468.8	6,372.4	24.8	20.9	-135.91	-340.9	-771.3	1,856.2	1,824.0	32.16	57.716		
6,600.0	6,472.4	6,568.8	6,472.4	24.9	21.1	-135.91	-340.9	-771.3	1,856.2	1,823.6	32.52	57.071		
6,700.0	6,572.4	6,668.8	6,572.4	25.0	21.2	-135.91	-340.9	-771.3	1,856.2	1,823.3	32.89	56.435		
6,800.0	6,672.4	6,768.8	6,672.4	25.1	21.4	-135.91	-340.9	-771.3	1,856.2	1,822.9	33.26	55.811		
6,900.0	6,772.4	6,868.8	6,772.4	25.3	21.5	-135.91	-340.9	-771.3	1,856.2	1,822.5	33.63	55.197		
7,000.0	6,872.4	6,968.8	6,872.4	25.4	21.7	-135.91	-340.9	-771.3	1,856.2	1,822.2	34.00	54.593		
7,100.0	6,972.4	7,068.8	6,972.4	25.5	21.8	-135.91	-340.9	-771.3	1,856.2	1,821.8	34.37	53.999		
7,200.0	7,072.4	7,168.8	7,072.4	25.7	21.9	-135.91	-340.9	-771.3	1,856.2	1,821.4	34.75	53.416		
7,300.0	7,172.4	7,268.8	7,172.4	25.8	22.1	-135.91	-340.9	-771.3	1,856.2	1,821.0	35.13	52.842		
7,400.0	7,272.4	7,368.8	7,272.4	25.9	22.2	-135.91	-340.9	-771.3	1,856.2	1,820.7	35.51	52.278		
7,500.0	7,372.4	7,468.8	7,372.4	26.0	22.4	-135.91	-340.9	-771.3	1,856.2	1,820.3	35.89	51.723		
7,600.0	7,472.4	7,568.8	7,472.4	26.2	22.6	-135.91	-340.9	-771.3	1,856.2	1,819.9	36.27	51.178		
7,700.0	7,572.4	7,668.8	7,572.4	26.3	22.7	-135.91	-340.9	-771.3	1,856.2	1,819.5	36.65	50.642		
7,777.6	7,650.0	7,746.4	7,650.0	26.4	22.8	-135.91	-340.9	-771.3	1,856.2	1,819.2	36.95	50.233		

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

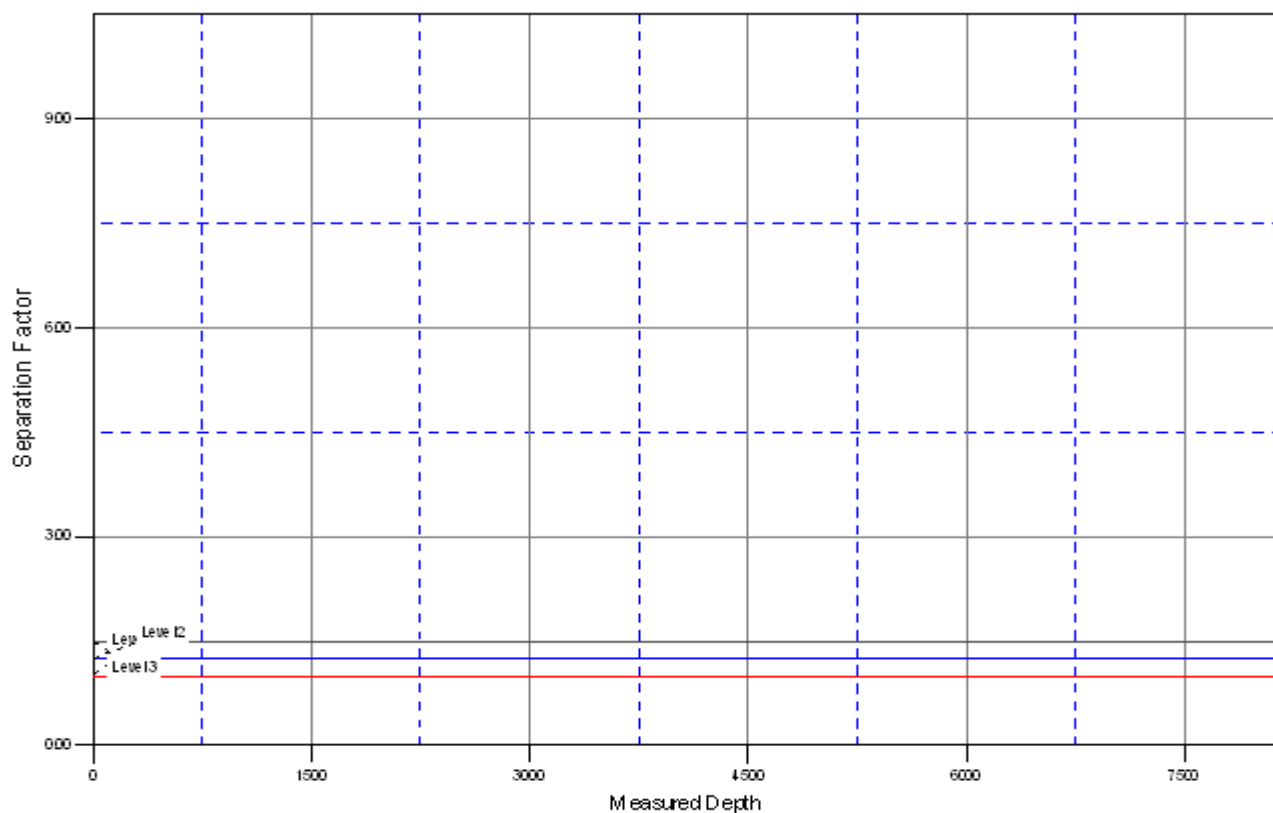
Reference Depths are relative to WELL @ 5192.0ft (Original Well Elev) Coordinates are relative to: Pratt 43-29D
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.31°



Company:	Synergy Resources	Local Co-ordinate Reference:	Well Pratt 43-29D
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5192.0ft (Original Well Elev)
Reference Site:	Pratt 34-29D Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5192.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Pratt 43-29D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM den0-adp01 Server Data
Reference Design:	Plan #1 (5-4-10)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5192.0ft (Original Well Elev) Coordinates are relative to: Pratt 43-29D
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°

Separation Factor Plot



LEGEND

✖ Pratt29-3 (Exist.), Wellbore #1, Design #1 \V0 ➤ Pratt34-29D, Wellbore #1, Plan #1 (5-4-10) \V0