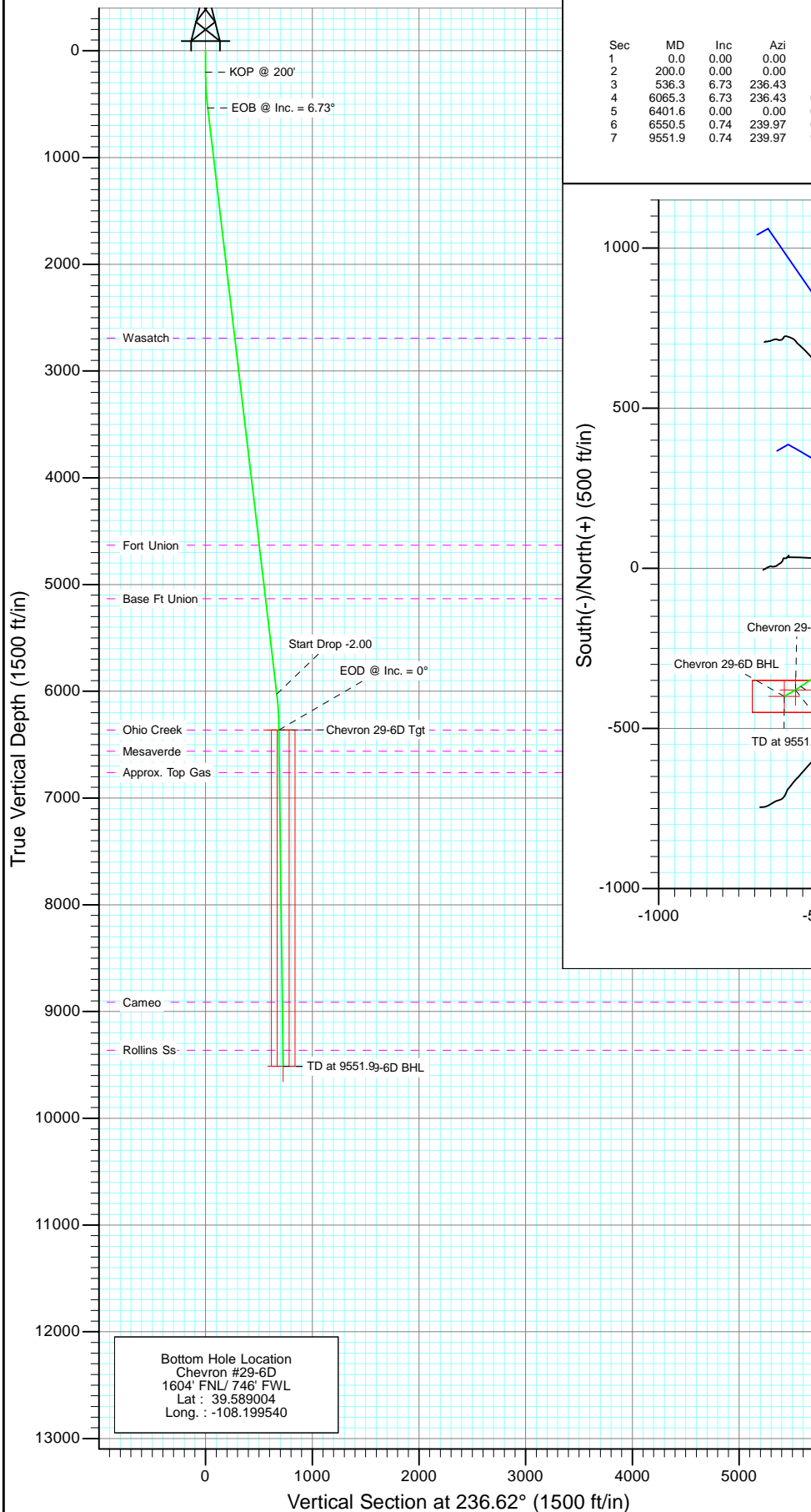
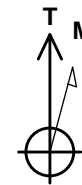
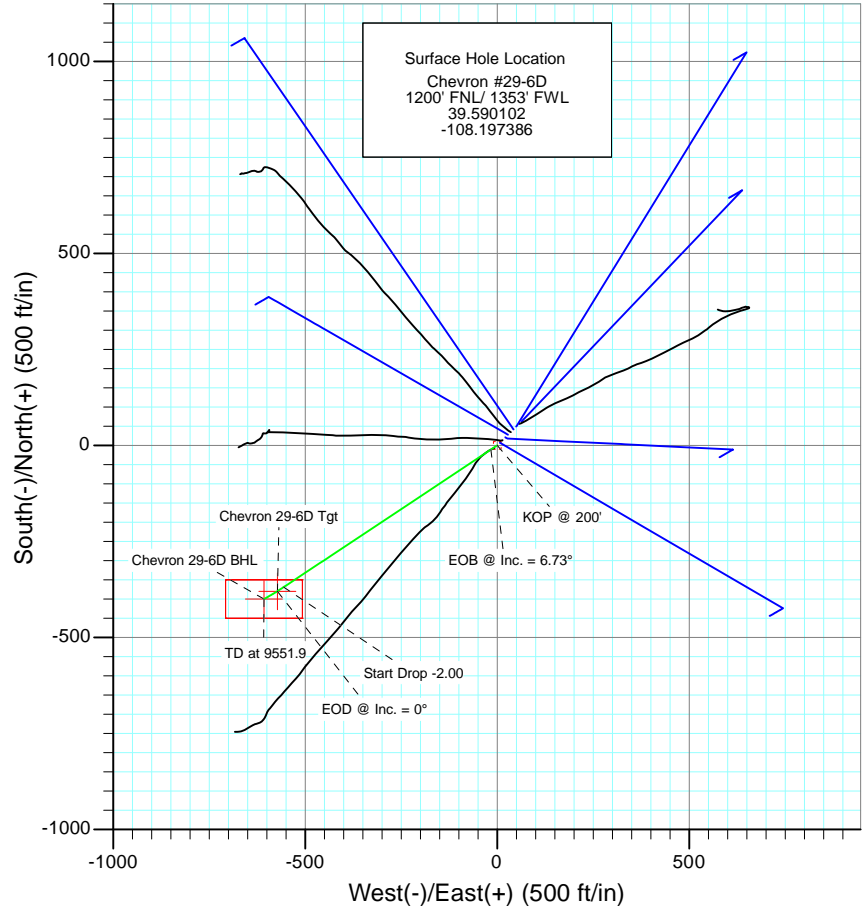




Project: Garfield County
Site: Chevron C-D29-596
Well: Chevron #29-6D
Wellbore: DD
Design: Plan #3



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	536.3	6.73	236.43	535.5	-10.9	-16.4	2.00	236.43	19.7	
4	6065.3	6.73	236.43	6026.5	-369.0	-556.0	0.00	0.00	667.3	
5	6401.6	0.00	0.00	6362.0	-379.9	-572.5	2.00	180.00	687.0	Chevron 29-6D Tgt
6	6550.5	0.74	239.97	6510.9	-380.4	-573.3	0.50	239.97	688.0	
7	9551.9	0.74	239.97	9512.0	-399.9	-607.1	0.00	0.00	726.9	Chevron 29-6D BHL



Azimuths to True North
Magnetic North: 10.80°

Magnetic Field
Strength: 52536.9snT
Dip Angle: 65.85°
Date: 9/22/2008
Model: IGRF2010

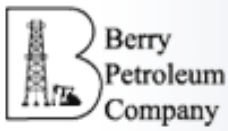
FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
2692.0	2707.7	Wasatch
4632.0	4661.2	Fort Union
5132.0	5164.6	Base Ft Union
6362.0	6401.6	Ohio Creek
6562.0	6601.6	Mesaverde
6762.0	6801.6	Approx. Top Gas
8912.0	8951.8	Cameo
9362.0	9401.8	Rollins Ss

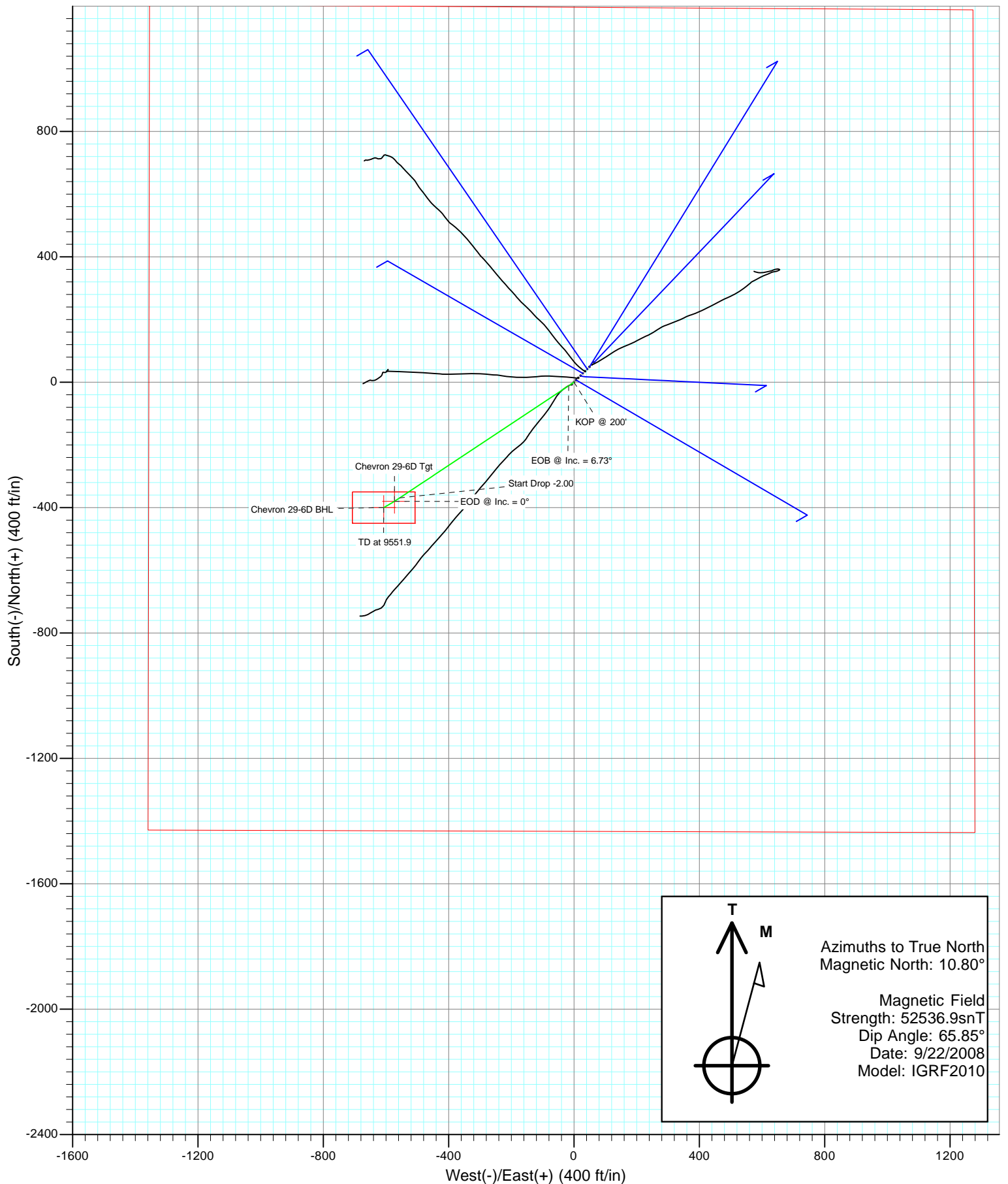
DESIGN DETAILS: Plan #3

JOB#:11XXXX: SC
Well @ 7896.0ft

Target	Azimuth	Origin	N/S	E/W	From TVD
Chevron 29-6D BHL	236.62	Slot	0.0	0.0	0.0



Project: Garfield County
Site: Chevron C-D29-596
Well: Chevron #29-6D
Wellbore: DD
Design: Plan #3



Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

Project	Garfield County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site		Chevron C-D29-596			
Site Position:		Northing:	1,651,165.49 ft	Latitude:	39.590256
From:	Lat/Long	Easting:	2,239,989.14 ft	Longitude:	-108.197183
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.70 °

Well	Chevron #29-6D					
Well Position	+N/-S	0.0 ft	Northing:	1,651,111.08 ft	Latitude:	39.590102
	+E/-W	0.0 ft	Easting:	2,239,930.29 ft	Longitude:	-108.197386
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	7,881.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/22/2008	10.80	65.85	52,537

Design	Plan #3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	236.62

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	
536.3	6.73	236.43	535.5	-10.9	-16.4	2.00	2.00	0.00	236.43	
6,065.3	6.73	236.43	6,026.5	-369.0	-556.0	0.00	0.00	0.00	0.00	
6,401.6	0.00	0.00	6,362.0	-379.9	-572.5	2.00	-2.00	0.00	180.00	Chevron 29-6D Tgt
6,550.5	0.74	239.97	6,510.9	-380.4	-573.3	0.50	0.50	-80.59	239.97	
9,551.9	0.74	239.97	9,512.0	-399.9	-607.1	0.00	0.00	0.00	0.00	Chevron 29-6D BHL

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

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)	Comments / Formations
30.0	0.00	0.00	30.0	0.0	0.0	0.0	0.00	0.00	
60.0	0.00	0.00	60.0	0.0	0.0	0.0	0.00	0.00	
90.0	0.00	0.00	90.0	0.0	0.0	0.0	0.00	0.00	
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	
180.0	0.00	0.00	180.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
210.0	0.20	236.43	210.0	0.0	0.0	0.0	2.00	2.00	
240.0	0.80	236.43	240.0	-0.2	-0.2	0.3	2.00	2.00	
270.0	1.40	236.43	270.0	-0.5	-0.7	0.9	2.00	2.00	
300.0	2.00	236.43	300.0	-1.0	-1.5	1.7	2.00	2.00	
330.0	2.60	236.43	330.0	-1.6	-2.5	2.9	2.00	2.00	
360.0	3.20	236.43	359.9	-2.5	-3.7	4.5	2.00	2.00	
390.0	3.80	236.43	389.9	-3.5	-5.2	6.3	2.00	2.00	
420.0	4.40	236.43	419.8	-4.7	-7.0	8.4	2.00	2.00	
450.0	5.00	236.43	449.7	-6.0	-9.1	10.9	2.00	2.00	
480.0	5.60	236.43	479.6	-7.6	-11.4	13.7	2.00	2.00	
510.0	6.20	236.43	509.4	-9.3	-14.0	16.8	2.00	2.00	
536.3	6.73	236.43	535.5	-10.9	-16.4	19.7	2.00	2.00	EOB @ Inc. = 6.73°
540.0	6.73	236.43	539.2	-11.1	-16.8	20.1	0.00	0.00	
570.0	6.73	236.43	569.0	-13.1	-19.7	23.7	0.00	0.00	
600.0	6.73	236.43	598.8	-15.0	-22.6	27.2	0.00	0.00	
630.0	6.73	236.43	628.6	-17.0	-25.6	30.7	0.00	0.00	
660.0	6.73	236.43	658.4	-18.9	-28.5	34.2	0.00	0.00	
690.0	6.73	236.43	688.2	-20.9	-31.4	37.7	0.00	0.00	
720.0	6.73	236.43	718.0	-22.8	-34.4	41.2	0.00	0.00	
750.0	6.73	236.43	747.8	-24.7	-37.3	44.7	0.00	0.00	
780.0	6.73	236.43	777.6	-26.7	-40.2	48.3	0.00	0.00	
810.0	6.73	236.43	807.3	-28.6	-43.1	51.8	0.00	0.00	
840.0	6.73	236.43	837.1	-30.6	-46.1	55.3	0.00	0.00	
870.0	6.73	236.43	866.9	-32.5	-49.0	58.8	0.00	0.00	
900.0	6.73	236.43	896.7	-34.5	-51.9	62.3	0.00	0.00	
930.0	6.73	236.43	926.5	-36.4	-54.9	65.8	0.00	0.00	
960.0	6.73	236.43	956.3	-38.3	-57.8	69.3	0.00	0.00	
990.0	6.73	236.43	986.1	-40.3	-60.7	72.9	0.00	0.00	
1,020.0	6.73	236.43	1,015.9	-42.2	-63.6	76.4	0.00	0.00	
1,050.0	6.73	236.43	1,045.7	-44.2	-66.6	79.9	0.00	0.00	
1,080.0	6.73	236.43	1,075.5	-46.1	-69.5	83.4	0.00	0.00	
1,110.0	6.73	236.43	1,105.3	-48.1	-72.4	86.9	0.00	0.00	
1,140.0	6.73	236.43	1,135.1	-50.0	-75.3	90.4	0.00	0.00	
1,170.0	6.73	236.43	1,164.9	-51.9	-78.3	93.9	0.00	0.00	
1,200.0	6.73	236.43	1,194.7	-53.9	-81.2	97.5	0.00	0.00	
1,230.0	6.73	236.43	1,224.5	-55.8	-84.1	101.0	0.00	0.00	
1,260.0	6.73	236.43	1,254.2	-57.8	-87.1	104.5	0.00	0.00	
1,290.0	6.73	236.43	1,284.0	-59.7	-90.0	108.0	0.00	0.00	
1,320.0	6.73	236.43	1,313.8	-61.7	-92.9	111.5	0.00	0.00	
1,350.0	6.73	236.43	1,343.6	-63.6	-95.8	115.0	0.00	0.00	
1,380.0	6.73	236.43	1,373.4	-65.5	-98.8	118.5	0.00	0.00	
1,410.0	6.73	236.43	1,403.2	-67.5	-101.7	122.1	0.00	0.00	
1,440.0	6.73	236.43	1,433.0	-69.4	-104.6	125.6	0.00	0.00	
1,470.0	6.73	236.43	1,462.8	-71.4	-107.6	129.1	0.00	0.00	
1,500.0	6.73	236.43	1,492.6	-73.3	-110.5	132.6	0.00	0.00	

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

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)	Comments / Formations
1,530.0	6.73	236.43	1,522.4	-75.3	-113.4	136.1	0.00	0.00	
1,560.0	6.73	236.43	1,552.2	-77.2	-116.3	139.6	0.00	0.00	
1,590.0	6.73	236.43	1,582.0	-79.1	-119.3	143.1	0.00	0.00	
1,620.0	6.73	236.43	1,611.8	-81.1	-122.2	146.6	0.00	0.00	
1,650.0	6.73	236.43	1,641.6	-83.0	-125.1	150.2	0.00	0.00	
1,680.0	6.73	236.43	1,671.4	-85.0	-128.0	153.7	0.00	0.00	
1,710.0	6.73	236.43	1,701.1	-86.9	-131.0	157.2	0.00	0.00	
1,740.0	6.73	236.43	1,730.9	-88.9	-133.9	160.7	0.00	0.00	
1,770.0	6.73	236.43	1,760.7	-90.8	-136.8	164.2	0.00	0.00	
1,800.0	6.73	236.43	1,790.5	-92.7	-139.8	167.7	0.00	0.00	
1,830.0	6.73	236.43	1,820.3	-94.7	-142.7	171.2	0.00	0.00	
1,860.0	6.73	236.43	1,850.1	-96.6	-145.6	174.8	0.00	0.00	
1,890.0	6.73	236.43	1,879.9	-98.6	-148.5	178.3	0.00	0.00	
1,920.0	6.73	236.43	1,909.7	-100.5	-151.5	181.8	0.00	0.00	
1,950.0	6.73	236.43	1,939.5	-102.5	-154.4	185.3	0.00	0.00	
1,980.0	6.73	236.43	1,969.3	-104.4	-157.3	188.8	0.00	0.00	
2,010.0	6.73	236.43	1,999.1	-106.3	-160.3	192.3	0.00	0.00	
2,040.0	6.73	236.43	2,028.9	-108.3	-163.2	195.8	0.00	0.00	
2,070.0	6.73	236.43	2,058.7	-110.2	-166.1	199.4	0.00	0.00	
2,100.0	6.73	236.43	2,088.5	-112.2	-169.0	202.9	0.00	0.00	
2,130.0	6.73	236.43	2,118.3	-114.1	-172.0	206.4	0.00	0.00	
2,160.0	6.73	236.43	2,148.1	-116.1	-174.9	209.9	0.00	0.00	
2,190.0	6.73	236.43	2,177.8	-118.0	-177.8	213.4	0.00	0.00	
2,220.0	6.73	236.43	2,207.6	-120.0	-180.7	216.9	0.00	0.00	
2,250.0	6.73	236.43	2,237.4	-121.9	-183.7	220.4	0.00	0.00	
2,280.0	6.73	236.43	2,267.2	-123.8	-186.6	224.0	0.00	0.00	
2,310.0	6.73	236.43	2,297.0	-125.8	-189.5	227.5	0.00	0.00	
2,340.0	6.73	236.43	2,326.8	-127.7	-192.5	231.0	0.00	0.00	
2,370.0	6.73	236.43	2,356.6	-129.7	-195.4	234.5	0.00	0.00	
2,400.0	6.73	236.43	2,386.4	-131.6	-198.3	238.0	0.00	0.00	
2,430.0	6.73	236.43	2,416.2	-133.6	-201.2	241.5	0.00	0.00	
2,460.0	6.73	236.43	2,446.0	-135.5	-204.2	245.0	0.00	0.00	
2,490.0	6.73	236.43	2,475.8	-137.4	-207.1	248.5	0.00	0.00	

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Chevron 29-6D BHL	0.00	0.00	9,512.0	-399.9	-607.1	1,650,729.37	2,239,311.63	39.589004	-108.199540
- plan misses target center by 7052.5ft at 2490.0ft MD (2475.8 TVD, -137.4 N, -207.1 E)									
- Rectangle (sides W100.0 H200.0 D0.0)									
Chevron 29-6D Tgt	0.00	0.00	6,362.0	-379.9	-572.5	1,650,748.34	2,239,346.82	39.589059	-108.199417
- plan misses target center by 3910.9ft at 2490.0ft MD (2475.8 TVD, -137.4 N, -207.1 E)									
- Point									

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

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)	Comments / Formations
2,500.0	6.73	236.43	2,485.7	-138.1	-208.1	249.7	0.00	0.00	
2,600.0	6.73	236.43	2,585.0	-144.6	-217.8	261.4	0.00	0.00	
2,700.0	6.73	236.43	2,684.3	-151.0	-227.6	273.1	0.00	0.00	
2,707.7	6.73	236.43	2,692.0	-151.5	-228.3	274.1	0.00	0.00	Wasatch
2,800.0	6.73	236.43	2,783.6	-157.5	-237.4	284.9	0.00	0.00	
2,900.0	6.73	236.43	2,883.0	-164.0	-247.1	296.6	0.00	0.00	
3,000.0	6.73	236.43	2,982.3	-170.5	-256.9	308.3	0.00	0.00	
3,100.0	6.73	236.43	3,081.6	-176.9	-266.6	320.0	0.00	0.00	
3,200.0	6.73	236.43	3,180.9	-183.4	-276.4	331.7	0.00	0.00	
3,300.0	6.73	236.43	3,280.2	-189.9	-286.1	343.4	0.00	0.00	
3,400.0	6.73	236.43	3,379.5	-196.4	-295.9	355.1	0.00	0.00	
3,500.0	6.73	236.43	3,478.8	-202.9	-305.7	366.8	0.00	0.00	
3,600.0	6.73	236.43	3,578.1	-209.3	-315.4	378.6	0.00	0.00	
3,700.0	6.73	236.43	3,677.5	-215.8	-325.2	390.3	0.00	0.00	
3,800.0	6.73	236.43	3,776.8	-222.3	-334.9	402.0	0.00	0.00	
3,900.0	6.73	236.43	3,876.1	-228.8	-344.7	413.7	0.00	0.00	
4,000.0	6.73	236.43	3,975.4	-235.2	-354.5	425.4	0.00	0.00	
4,100.0	6.73	236.43	4,074.7	-241.7	-364.2	437.1	0.00	0.00	
4,200.0	6.73	236.43	4,174.0	-248.2	-374.0	448.8	0.00	0.00	
4,300.0	6.73	236.43	4,273.3	-254.7	-383.7	460.6	0.00	0.00	
4,400.0	6.73	236.43	4,372.6	-261.1	-393.5	472.3	0.00	0.00	
4,500.0	6.73	236.43	4,471.9	-267.6	-403.3	484.0	0.00	0.00	
4,600.0	6.73	236.43	4,571.3	-274.1	-413.0	495.7	0.00	0.00	
4,661.2	6.73	236.43	4,632.0	-278.1	-419.0	502.9	0.00	0.00	Fort Union
4,700.0	6.73	236.43	4,670.6	-280.6	-422.8	507.4	0.00	0.00	
4,800.0	6.73	236.43	4,769.9	-287.0	-432.5	519.1	0.00	0.00	
4,900.0	6.73	236.43	4,869.2	-293.5	-442.3	530.8	0.00	0.00	
5,000.0	6.73	236.43	4,968.5	-300.0	-452.1	542.5	0.00	0.00	
5,100.0	6.73	236.43	5,067.8	-306.5	-461.8	554.3	0.00	0.00	
5,164.6	6.73	236.43	5,132.0	-310.7	-468.1	561.8	0.00	0.00	Base Ft Union
5,200.0	6.73	236.43	5,167.1	-313.0	-471.6	566.0	0.00	0.00	
5,300.0	6.73	236.43	5,266.4	-319.4	-481.3	577.7	0.00	0.00	
5,400.0	6.73	236.43	5,365.7	-325.9	-491.1	589.4	0.00	0.00	
5,500.0	6.73	236.43	5,465.1	-332.4	-500.9	601.1	0.00	0.00	
5,600.0	6.73	236.43	5,564.4	-338.9	-510.6	612.8	0.00	0.00	
5,700.0	6.73	236.43	5,663.7	-345.3	-520.4	624.5	0.00	0.00	
5,800.0	6.73	236.43	5,763.0	-351.8	-530.1	636.2	0.00	0.00	
5,900.0	6.73	236.43	5,862.3	-358.3	-539.9	648.0	0.00	0.00	
6,000.0	6.73	236.43	5,961.6	-364.8	-549.6	659.7	0.00	0.00	
6,065.3	6.73	236.43	6,026.5	-369.0	-556.0	667.3	0.00	0.00	Start Drop -2.00
6,100.0	6.03	236.43	6,061.0	-371.1	-559.2	671.2	2.00	-2.00	
6,200.0	4.03	236.43	6,160.6	-376.0	-566.5	679.9	2.00	-2.00	
6,300.0	2.03	236.43	6,260.4	-378.9	-570.9	685.2	2.00	-2.00	
6,400.0	0.03	236.43	6,360.4	-379.9	-572.4	687.0	2.00	-2.00	
6,401.6	0.00	0.00	6,362.0	-379.9	-572.5	687.0	2.00	-2.00	EOD @ Inc. = 0° - Ohio Creek - Chevron 29-6D
6,500.0	0.49	239.97	6,460.4	-380.1	-572.8	687.5	0.50	0.50	
6,550.5	0.74	239.97	6,510.9	-380.4	-573.3	688.0	0.50	0.50	
6,600.0	0.74	239.97	6,560.4	-380.7	-573.8	688.6	0.00	0.00	
6,601.6	0.74	239.97	6,562.0	-380.7	-573.9	688.7	0.00	0.00	Mesaverde
6,700.0	0.74	239.97	6,660.4	-381.4	-575.0	689.9	0.00	0.00	
6,800.0	0.74	239.97	6,760.4	-382.0	-576.1	691.2	0.00	0.00	
6,801.6	0.74	239.97	6,762.0	-382.0	-576.1	691.3	0.00	0.00	Approx. Top Gas

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

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)	Comments / Formations
6,900.0	0.74	239.97	6,860.4	-382.7	-577.2	692.5	0.00	0.00	
7,000.0	0.74	239.97	6,960.4	-383.3	-578.3	693.8	0.00	0.00	
7,100.0	0.74	239.97	7,060.3	-384.0	-579.5	695.1	0.00	0.00	
7,200.0	0.74	239.97	7,160.3	-384.6	-580.6	696.4	0.00	0.00	
7,300.0	0.74	239.97	7,260.3	-385.3	-581.7	697.7	0.00	0.00	
7,400.0	0.74	239.97	7,360.3	-385.9	-582.8	699.0	0.00	0.00	
7,500.0	0.74	239.97	7,460.3	-386.6	-584.0	700.3	0.00	0.00	
7,600.0	0.74	239.97	7,560.3	-387.2	-585.1	701.6	0.00	0.00	
7,700.0	0.74	239.97	7,660.3	-387.9	-586.2	702.9	0.00	0.00	
7,800.0	0.74	239.97	7,760.3	-388.5	-587.3	704.2	0.00	0.00	
7,900.0	0.74	239.97	7,860.3	-389.2	-588.5	705.5	0.00	0.00	
8,000.0	0.74	239.97	7,960.3	-389.8	-589.6	706.8	0.00	0.00	
8,100.0	0.74	239.97	8,060.3	-390.5	-590.7	708.1	0.00	0.00	
8,200.0	0.74	239.97	8,160.3	-391.1	-591.8	709.4	0.00	0.00	
8,300.0	0.74	239.97	8,260.2	-391.8	-593.0	710.7	0.00	0.00	
8,400.0	0.74	239.97	8,360.2	-392.4	-594.1	712.0	0.00	0.00	
8,500.0	0.74	239.97	8,460.2	-393.1	-595.2	713.3	0.00	0.00	
8,600.0	0.74	239.97	8,560.2	-393.7	-596.3	714.6	0.00	0.00	
8,700.0	0.74	239.97	8,660.2	-394.4	-597.5	715.9	0.00	0.00	
8,800.0	0.74	239.97	8,760.2	-395.0	-598.6	717.2	0.00	0.00	
8,900.0	0.74	239.97	8,860.2	-395.7	-599.7	718.5	0.00	0.00	
8,951.8	0.74	239.97	8,912.0	-396.0	-600.3	719.2	0.00	0.00	Cameo
9,000.0	0.74	239.97	8,960.2	-396.3	-600.8	719.8	0.00	0.00	
9,100.0	0.74	239.97	9,060.2	-397.0	-602.0	721.1	0.00	0.00	
9,200.0	0.74	239.97	9,160.2	-397.6	-603.1	722.4	0.00	0.00	
9,300.0	0.74	239.97	9,260.2	-398.3	-604.2	723.7	0.00	0.00	
9,400.0	0.74	239.97	9,360.2	-398.9	-605.3	725.0	0.00	0.00	
9,401.8	0.74	239.97	9,362.0	-398.9	-605.4	725.0	0.00	0.00	Rollins Ss
9,500.0	0.74	239.97	9,460.1	-399.6	-606.5	726.3	0.00	0.00	
9,551.9	0.74	239.97	9,512.0	-399.9	-607.1	726.9	0.00	0.00	Chevron 29-6D BHL

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Chevron 29-6D BHL	0.00	0.00	9,512.0	-399.9	-607.1	1,650,729.37	2,239,311.63	39.589004	-108.199540
- plan hits target center									
- Rectangle (sides W100.0 H200.0 D0.0)									
Chevron 29-6D Tgt	0.00	0.00	6,362.0	-379.9	-572.5	1,650,748.34	2,239,346.82	39.589059	-108.199417
- plan hits target center									
- Point									

Planning Report

Database:	EDM 5000.1 US Multi Users DB	Local Co-ordinate Reference:	Well Chevron #29-6D
Company:	Berry Petroleum Company (NAD 83)	TVD Reference:	Well @ 7896.0ft
Project:	Garfield County	MD Reference:	Well @ 7896.0ft
Site:	Chevron C-D29-596	North Reference:	True
Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #3		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,707.7	2,692.0	Wasatch				
4,661.2	4,632.0	Fort Union				
5,164.6	5,132.0	Base Ft Union				
6,401.6	6,362.0	Ohio Creek				
6,601.6	6,562.0	Mesaverde				
6,801.6	6,762.0	Approx. Top Gas				
8,951.8	8,912.0	Cameo				
9,401.8	9,362.0	Rollins Ss				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
536.3	535.5	-10.9	-16.4	EOB @ Inc. = 6.73°	
6,065.3	6,026.5	-369.0	-556.0	Start Drop -2.00	
6,401.6	6,362.0	-379.9	-572.5	EOD @ Inc. = 0°	
9,551.9	9,512.0	-399.9	-607.1	TD at 9551.9	

Berry Petroleum Company (NAD 83)

Garfield County

Chevron C-D29-596

Chevron #29-6D

DD

Plan #3

Anticollision Report

06 January, 2011

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Reference	Plan #3		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,155.2ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	1/5/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	9,551.9	Plan #3 (DD)	MWD	Geolink MWD

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						
Chevron C-D29-596						
Chevron #29-7D - DD - Plan #4	200.0	200.0	90.0	89.3	139.347	CC, ES
Chevron #29-7D - DD - Plan #4	600.0	581.0	143.3	141.3	71.445	SF
Chevron #29-11D - DD - DD	251.7	262.1	18.5	17.6	22.440	CC, ES
Chevron #29-11D - DD - DD	9,551.9	9,578.5	401.3	360.4	9.823	SF
Chevron #29-12D - DD - DD	0.0	10.0	80.1			
Chevron #29-12D - DD - DD	600.0	593.0	136.4	134.4	67.945	SF
Chevron #29-13D - DD - Plan #3	200.0	200.0	30.1	29.4	46.592	CC, ES
Chevron #29-13D - DD - Plan #3	400.0	398.2	40.0	38.7	29.581	SF
Chevron #29-14D - DD - Plan #3	200.0	200.0	40.0	39.3	61.881	CC, ES
Chevron #29-14D - DD - Plan #3	9,551.9	9,559.6	767.8	727.8	19.187	SF
Chevron #29-15D - DD - DD	224.1	234.6	48.5	47.7	64.105	CC, ES
Chevron #29-15D - DD - DD	9,300.0	9,255.0	1,109.9	1,070.5	28.142	SF
Chevron #29-16D - DD - Plan #3	200.0	200.0	59.9	59.3	92.779	CC, ES
Chevron #29-16D - DD - Plan #3	800.0	787.1	130.5	127.4	41.268	SF
Chevron #29-3D - DD - DD	0.0	10.0	9.9			
Chevron #29-3D - DD - DD	100.0	110.0	10.1	9.8	32.778	ES
Chevron #29-3D - DD - DD	2,400.0	2,407.4	85.9	74.9	7.771	SF
Chevron #29-5D - DD - Plan #3	200.0	200.0	9.9	9.2	15.284	CC, ES
Chevron #29-5D - DD - Plan #3	300.0	299.8	12.2	11.2	12.243	SF
Chevron #29-8D - DD - Plan #3	200.0	200.0	70.0	69.4	108.458	CC, ES
Chevron #29-8D - DD - Plan #3	500.0	490.1	100.2	98.5	59.731	SF

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-7D - DD - Plan #4													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	45.57	63.0	64.3	90.0					
100.0	100.0	100.0	100.0	0.1	0.1	45.57	63.0	64.3	90.0	89.7	0.30	303.284		
200.0	200.0	200.0	200.0	0.3	0.3	45.57	63.0	64.3	90.0	89.3	0.65	139.347 CC, ES		
300.0	300.0	296.8	296.8	0.5	0.5	169.29	64.2	65.4	93.4	92.4	0.99	94.416		
400.0	399.8	393.0	392.9	0.7	0.7	169.67	67.7	68.7	103.6	102.2	1.33	77.835		
500.0	499.5	487.9	487.4	0.9	0.9	170.16	73.5	74.2	120.5	118.8	1.67	72.187		
600.0	598.8	581.0	579.8	1.2	1.1	170.65	81.3	81.7	143.3	141.3	2.01	71.445 SF		
700.0	698.1	676.7	674.6	1.4	1.4	171.00	90.9	90.9	168.5	166.2	2.35	71.797		
800.0	797.4	773.4	770.4	1.7	1.7	171.26	100.7	100.2	193.8	191.1	2.69	72.040		
900.0	896.7	870.2	866.2	1.9	2.0	171.46	110.5	109.5	219.1	216.1	3.03	72.226		
1,000.0	996.0	966.9	962.0	2.2	2.2	171.62	120.3	118.9	244.4	241.0	3.38	72.373		
1,100.0	1,095.3	1,063.6	1,057.8	2.5	2.5	171.75	130.0	128.2	269.7	266.0	3.72	72.493		
1,200.0	1,194.7	1,160.4	1,153.6	2.7	2.8	171.85	139.8	137.5	295.1	291.0	4.06	72.592		
1,300.0	1,294.0	1,257.1	1,249.4	3.0	3.1	171.94	149.6	146.9	320.4	316.0	4.41	72.675		
1,400.0	1,393.3	1,353.9	1,345.2	3.3	3.4	172.02	159.4	156.2	345.7	340.9	4.75	72.746		
1,500.0	1,492.6	1,450.6	1,441.0	3.5	3.7	172.09	169.2	165.5	371.0	365.9	5.10	72.808		
1,600.0	1,591.9	1,547.3	1,536.8	3.8	4.0	172.14	178.9	174.8	396.3	390.9	5.44	72.861		
1,700.0	1,691.2	1,644.1	1,632.5	4.1	4.3	172.19	188.7	184.2	421.6	415.8	5.78	72.908		
1,800.0	1,790.5	1,740.8	1,728.3	4.4	4.5	172.24	198.5	193.5	446.9	440.8	6.13	72.950		
1,900.0	1,889.8	1,837.6	1,824.1	4.6	4.8	172.28	208.3	202.8	472.3	465.8	6.47	72.987		
2,000.0	1,989.2	1,934.3	1,919.9	4.9	5.1	172.32	218.1	212.2	497.6	490.8	6.81	73.020		
2,100.0	2,088.5	2,031.1	2,015.7	5.2	5.4	172.35	227.8	221.5	522.9	515.7	7.16	73.050		
2,200.0	2,187.8	2,127.8	2,111.5	5.4	5.7	172.38	237.6	230.8	548.2	540.7	7.50	73.077		
2,300.0	2,287.1	2,224.5	2,207.3	5.7	6.0	172.40	247.4	240.1	573.5	565.7	7.85	73.102		
2,400.0	2,386.4	2,321.3	2,303.1	6.0	6.3	172.43	257.2	249.5	598.8	590.6	8.19	73.125		
2,500.0	2,485.7	2,418.0	2,398.9	6.2	6.6	172.45	267.0	258.8	624.2	615.6	8.53	73.146		
2,600.0	2,585.0	2,514.8	2,494.7	6.5	6.9	172.47	276.7	268.1	649.5	640.6	8.88	73.165		
2,700.0	2,684.3	2,611.5	2,590.5	6.8	7.2	172.49	286.5	277.5	674.8	665.6	9.22	73.183		
2,800.0	2,783.6	2,708.2	2,686.3	7.0	7.4	172.51	296.3	286.8	700.1	690.5	9.56	73.199		
2,900.0	2,883.0	2,805.0	2,782.1	7.3	7.7	172.53	306.1	296.1	725.4	715.5	9.91	73.215		
3,000.0	2,982.3	2,901.7	2,877.9	7.6	8.0	172.54	315.9	305.4	750.7	740.5	10.25	73.229		
3,100.0	3,081.6	2,998.5	2,973.7	7.8	8.3	172.56	325.6	314.8	776.1	765.5	10.60	73.242		
3,200.0	3,180.9	3,095.2	3,069.4	8.1	8.6	172.57	335.4	324.1	801.4	790.4	10.94	73.255		
3,300.0	3,280.2	3,192.0	3,165.2	8.4	8.9	172.58	345.2	333.4	826.7	815.4	11.28	73.266		
3,400.0	3,379.5	3,288.7	3,261.0	8.7	9.2	172.59	355.0	342.8	852.0	840.4	11.63	73.277		
3,500.0	3,478.8	3,385.4	3,356.8	8.9	9.5	172.61	364.7	352.1	877.3	865.4	11.97	73.288		
3,600.0	3,578.1	3,482.2	3,452.6	9.2	9.8	172.62	374.5	361.4	902.6	890.3	12.31	73.298		
3,700.0	3,677.5	3,578.9	3,548.4	9.5	10.1	172.63	384.3	370.7	928.0	915.3	12.66	73.307		
3,800.0	3,776.8	3,675.7	3,644.2	9.7	10.4	172.64	394.1	380.1	953.3	940.3	13.00	73.316		
3,900.0	3,876.1	3,772.4	3,740.0	10.0	10.6	172.65	403.9	389.4	978.6	965.2	13.35	73.324		
4,000.0	3,975.4	3,869.2	3,835.8	10.3	10.9	172.65	413.6	398.7	1,003.9	990.2	13.69	73.332		
4,100.0	4,074.7	3,965.9	3,931.6	10.5	11.2	172.66	423.4	408.1	1,029.2	1,015.2	14.03	73.339		
4,200.0	4,174.0	4,062.6	4,027.4	10.8	11.5	172.67	433.2	417.4	1,054.5	1,040.2	14.38	73.346		
4,300.0	4,273.3	4,159.4	4,123.2	11.1	11.8	172.68	443.0	426.7	1,079.9	1,065.1	14.72	73.353		
4,400.0	4,372.6	4,256.1	4,219.0	11.3	12.1	172.68	452.8	436.0	1,105.2	1,090.1	15.07	73.360		
4,500.0	4,471.9	4,352.9	4,314.8	11.6	12.4	172.69	462.5	445.4	1,130.5	1,115.1	15.41	73.366		

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-11D - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 201-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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	10.0	10.0	0.0	0.0	46.07	13.8	14.4	20.0					
100.0	100.0	110.1	110.1	0.1	0.2	45.58	13.7	14.0	19.6	19.3	0.31	62.321		
200.0	200.0	210.2	210.2	0.3	0.3	44.20	13.5	13.1	18.8	18.1	0.64	29.173		
251.7	251.7	262.1	262.1	0.4	0.4	166.99	13.2	12.3	18.5	17.6	0.82	22.440	CC, ES	
300.0	300.0	310.3	310.3	0.5	0.5	166.17	12.9	11.3	18.8	17.9	0.99	18.982		
400.0	399.8	410.4	410.3	0.7	0.7	163.10	13.1	8.2	22.0	20.7	1.35	16.316		
500.0	499.5	510.7	510.4	0.9	0.9	156.84	14.2	1.9	27.3	25.6	1.73	15.793		
600.0	598.8	610.9	610.1	1.2	1.1	149.78	15.4	-7.7	33.9	31.7	2.16	15.683		
700.0	698.1	711.1	709.6	1.4	1.4	141.57	16.4	-20.1	39.9	37.2	2.66	15.006		
800.0	797.4	810.6	807.8	1.7	1.7	131.18	17.0	-36.0	45.4	42.2	3.25	14.001		
900.0	896.7	909.9	905.4	1.9	2.0	120.50	18.6	-54.5	53.2	49.3	3.88	13.692		
1,000.0	996.0	1,009.9	1,003.3	2.2	2.4	111.27	19.7	-74.4	62.0	57.5	4.52	13.730		
1,100.0	1,095.3	1,109.4	1,100.7	2.5	2.8	103.81	19.7	-94.9	71.2	66.1	5.13	13.892		
1,200.0	1,194.7	1,209.8	1,199.0	2.7	3.2	97.93	18.4	-115.1	80.0	74.3	5.71	14.021		
1,300.0	1,294.0	1,309.8	1,297.2	3.0	3.5	93.61	16.6	-134.3	88.6	82.3	6.26	14.148		
1,400.0	1,393.3	1,408.8	1,394.5	3.3	3.9	91.06	15.4	-151.9	97.3	90.5	6.79	14.328		
1,500.0	1,492.6	1,508.8	1,493.2	3.5	4.2	90.11	15.5	-167.9	106.2	98.9	7.32	14.508		
1,600.0	1,591.9	1,609.6	1,593.0	3.8	4.5	90.08	16.1	-182.4	114.7	106.8	7.86	14.594		
1,700.0	1,691.2	1,709.7	1,692.2	4.1	4.8	90.42	16.8	-196.0	122.7	114.3	8.39	14.626		
1,800.0	1,790.5	1,809.0	1,790.7	4.4	5.1	91.06	17.3	-208.5	130.1	121.2	8.92	14.581		
1,900.0	1,889.8	1,907.0	1,887.9	4.6	5.4	91.87	19.1	-220.9	138.7	129.2	9.45	14.668		
2,000.0	1,989.2	2,006.9	1,986.9	4.9	5.6	92.63	21.5	-233.8	147.9	137.9	9.98	14.814		
2,100.0	2,088.5	2,108.9	2,088.1	5.2	5.9	93.37	22.9	-246.2	155.9	145.3	10.53	14.808		
2,200.0	2,187.8	2,207.9	2,186.3	5.4	6.2	93.78	23.6	-258.6	163.5	152.4	11.06	14.783		
2,300.0	2,287.1	2,306.9	2,284.6	5.7	6.5	94.26	24.8	-270.9	171.5	159.9	11.59	14.798		
2,400.0	2,386.4	2,404.9	2,381.6	6.0	6.8	94.26	25.8	-284.6	180.1	168.0	12.14	14.839		
2,500.0	2,485.7	2,502.0	2,477.4	6.2	7.1	93.64	26.9	-300.5	190.0	177.3	12.68	14.979		
2,600.0	2,585.0	2,601.9	2,575.6	6.5	7.5	92.52	27.6	-318.7	200.4	187.2	13.24	15.145		
2,700.0	2,684.3	2,703.8	2,676.0	6.8	7.9	91.59	27.6	-336.5	210.1	196.3	13.78	15.246		
2,800.0	2,783.6	2,804.7	2,775.4	7.0	8.2	90.72	27.0	-353.8	218.9	204.6	14.32	15.286		
2,900.0	2,883.0	2,905.1	2,874.4	7.3	8.5	90.09	26.1	-370.2	227.2	212.4	14.86	15.290		
3,000.0	2,982.3	3,002.6	2,970.6	7.6	8.9	89.53	25.5	-386.1	235.7	220.3	15.40	15.312		
3,100.0	3,081.6	3,100.9	3,067.4	7.8	9.2	88.95	25.8	-403.2	245.6	229.7	15.93	15.421		
3,200.0	3,180.9	3,199.3	3,164.5	8.1	9.6	88.53	26.0	-419.5	255.0	238.6	16.46	15.493		
3,300.0	3,280.2	3,297.6	3,261.2	8.4	9.9	88.10	27.3	-436.8	265.9	248.9	16.99	15.649		
3,400.0	3,379.5	3,397.3	3,359.5	8.7	10.3	87.76	28.2	-453.7	276.1	258.6	17.53	15.752		
3,500.0	3,478.8	3,497.3	3,458.0	8.9	10.6	87.44	29.5	-470.9	286.7	268.7	18.06	15.876		
3,600.0	3,578.1	3,596.7	3,556.0	9.2	10.9	87.21	30.5	-487.4	296.9	278.3	18.60	15.964		
3,700.0	3,677.5	3,697.2	3,655.0	9.5	11.3	86.98	31.7	-504.3	307.2	288.0	19.13	16.055		
3,800.0	3,776.8	3,795.9	3,752.3	9.7	11.6	86.76	32.5	-520.7	317.2	297.6	19.67	16.126		
3,900.0	3,876.1	3,897.2	3,852.2	10.0	12.0	86.48	33.2	-537.9	327.3	307.1	20.21	16.197		
4,000.0	3,975.4	3,997.7	3,951.4	10.3	12.3	86.29	33.7	-554.4	336.8	316.1	20.74	16.238		
4,100.0	4,074.7	4,104.9	4,057.4	10.5	12.6	86.36	34.2	-569.9	345.2	323.9	21.28	16.219		
4,200.0	4,174.0	4,212.4	4,164.2	10.8	12.9	86.98	34.7	-581.2	351.3	329.4	21.83	16.088		
4,300.0	4,273.3	4,317.1	4,268.6	11.1	13.1	87.81	34.5	-590.0	355.5	333.1	22.38	15.886		
4,400.0	4,372.6	4,422.2	4,373.5	11.3	13.2	89.07	35.0	-595.8	358.7	335.8	22.92	15.653		
4,500.0	4,471.9	4,529.6	4,480.9	11.6	13.4	90.86	35.5	-597.7	360.1	336.7	23.46	15.351		
4,600.0	4,571.3	4,630.7	4,582.0	11.9	13.5	92.82	35.6	-597.2	360.3	336.3	23.98	15.023		
4,700.0	4,670.6	4,730.4	4,681.7	12.2	13.5	94.75	35.6	-596.6	360.8	336.4	24.49	14.735		
4,800.0	4,769.9	4,828.1	4,779.4	12.4	13.6	96.73	36.0	-595.6	361.9	336.9	24.96	14.497		
4,900.0	4,869.2	4,924.7	4,875.9	12.7	13.7	98.81	37.3	-594.1	364.0	338.5	25.42	14.317		
5,000.0	4,968.5	5,023.3	4,974.5	13.0	13.8	100.78	38.7	-593.3	367.0	341.1	25.87	14.186		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Chevron C-D29-596 - Chevron #29-11D - DD - DD													Offset Well Error:	0.0 ft
Survey Program: 201-MWD														
Reference		Offset		Semi Major Axis			Distance				Total		Separation	
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)	Uncertainty Axis		Factor	Warning
5,100.0	5,067.8	5,123.2	5,074.5	13.2	13.9	102.66	39.9	-593.2	370.4	344.1	26.31	14.081		
5,200.0	5,167.1	5,223.4	5,174.6	13.5	14.0	104.48	40.7	-593.0	374.0	347.2	26.73	13.993		
5,300.0	5,266.4	5,329.1	5,280.4	13.8	14.2	106.19	40.3	-593.7	376.9	349.8	27.16	13.879		
5,400.0	5,365.7	5,430.8	5,382.0	14.0	14.3	107.70	38.6	-594.6	379.0	351.4	27.57	13.747		
5,500.0	5,465.1	5,528.9	5,480.2	14.3	14.4	109.16	36.8	-595.4	381.1	353.2	27.96	13.633		
5,600.0	5,564.4	5,625.8	5,577.0	14.6	14.5	110.62	35.7	-596.1	384.2	355.9	28.33	13.562		
5,700.0	5,663.7	5,725.7	5,676.9	14.8	14.7	112.11	34.7	-596.8	387.7	359.0	28.69	13.511		
5,800.0	5,763.0	5,825.0	5,776.2	15.1	14.8	113.53	33.8	-597.7	391.5	362.4	29.05	13.475		
5,900.0	5,862.3	5,924.4	5,875.6	15.4	14.9	114.90	32.7	-598.8	395.4	366.0	29.40	13.450		
6,000.0	5,961.6	6,022.4	5,973.6	15.7	15.1	116.19	31.9	-600.1	399.9	370.1	29.74	13.444		
6,100.0	6,061.0	6,120.5	6,071.6	15.9	15.2	117.41	31.4	-601.8	404.7	374.7	30.08	13.454		
6,200.0	6,160.6	6,219.0	6,170.1	16.1	15.4	118.30	31.2	-603.7	408.9	378.5	30.39	13.453		
6,300.0	6,260.4	6,318.2	6,269.3	16.3	15.5	118.76	31.2	-605.3	411.6	380.9	30.68	13.417		
6,400.0	6,360.4	6,417.2	6,368.3	16.4	15.6	118.77	31.5	-607.0	412.8	381.9	30.94	13.341		
6,500.0	6,460.4	6,518.3	6,469.3	16.5	15.8	115.07	31.8	-608.5	413.5	382.2	31.23	13.238		
6,600.0	6,560.4	6,626.5	6,577.6	16.7	15.9	115.01	31.1	-610.1	413.5	382.0	31.53	13.114		
6,700.0	6,660.4	6,730.1	6,681.2	16.8	16.1	115.05	28.5	-610.8	411.6	379.8	31.81	12.938		
6,800.0	6,760.4	6,829.0	6,780.0	17.0	16.2	115.09	26.0	-611.5	409.6	377.5	32.09	12.763		
6,900.0	6,860.4	6,927.4	6,878.4	17.1	16.4	115.10	23.8	-612.4	408.0	375.6	32.38	12.602		
7,000.0	6,960.4	7,027.1	6,978.0	17.2	16.5	115.06	21.8	-613.6	406.7	374.0	32.67	12.447		
7,100.0	7,060.3	7,127.3	7,078.2	17.4	16.6	114.96	19.7	-615.4	405.3	372.3	32.98	12.291		
7,200.0	7,160.3	7,226.3	7,177.1	17.5	16.8	114.83	17.7	-617.3	404.0	370.8	33.28	12.139		
7,300.0	7,260.3	7,324.5	7,275.3	17.6	17.0	114.68	16.1	-619.4	403.1	369.5	33.59	12.000		
7,400.0	7,360.3	7,423.7	7,374.5	17.8	17.1	114.52	14.7	-621.5	402.5	368.6	33.90	11.873		
7,500.0	7,460.3	7,524.4	7,475.1	17.9	17.3	114.40	13.4	-623.5	401.9	367.7	34.21	11.749		
7,600.0	7,560.3	7,624.0	7,574.8	18.1	17.4	114.29	12.1	-625.3	401.3	366.8	34.52	11.626		
7,700.0	7,660.3	7,723.1	7,673.8	18.2	17.6	114.21	10.9	-626.9	400.8	366.0	34.82	11.511		
7,800.0	7,760.3	7,822.2	7,772.9	18.4	17.7	114.14	10.1	-628.5	400.7	365.6	35.12	11.408		
7,900.0	7,860.3	7,923.3	7,874.0	18.5	17.9	114.07	9.0	-630.0	400.4	364.9	35.43	11.300		
8,000.0	7,960.3	8,022.7	7,973.4	18.7	18.0	114.04	8.0	-631.4	400.0	364.3	35.73	11.195		
8,100.0	8,060.3	8,122.1	8,072.7	18.8	18.2	113.94	7.1	-633.2	399.9	363.8	36.05	11.093		
8,133.6	8,093.8	8,155.3	8,106.0	18.8	18.2	113.89	6.9	-633.9	399.8	363.7	36.15	11.060		
8,200.0	8,160.3	8,221.2	8,171.8	18.9	18.3	113.79	6.4	-635.3	399.9	363.5	36.36	10.998		
8,300.0	8,260.2	8,319.9	8,270.5	19.1	18.5	113.70	5.9	-637.1	400.1	363.5	36.67	10.912		
8,400.0	8,360.2	8,419.6	8,370.2	19.2	18.6	113.59	5.8	-639.0	400.7	363.8	36.99	10.835		
8,500.0	8,460.2	8,519.9	8,470.5	19.4	18.8	113.47	5.5	-641.0	401.2	363.9	37.30	10.755		
8,600.0	8,560.2	8,619.2	8,569.8	19.5	19.0	113.38	5.3	-642.9	401.7	364.1	37.61	10.680		
8,700.0	8,660.2	8,718.6	8,669.2	19.7	19.1	113.34	5.3	-644.3	402.4	364.5	37.92	10.612		
8,800.0	8,760.2	8,817.1	8,767.7	19.8	19.3	113.29	5.5	-645.9	403.3	365.1	38.23	10.550		
8,900.0	8,860.2	8,916.0	8,866.6	20.0	19.4	113.23	6.1	-647.6	404.6	366.1	38.54	10.499		
9,000.0	8,960.2	9,018.4	8,968.9	20.1	19.6	113.13	6.6	-649.6	405.8	367.0	38.86	10.443		
9,100.0	9,060.2	9,123.2	9,073.6	20.3	19.8	112.91	6.0	-652.4	406.1	366.9	39.21	10.357		
9,200.0	9,160.2	9,225.5	9,175.9	20.4	20.0	112.50	4.3	-656.3	405.5	365.9	39.57	10.246		
9,300.0	9,260.2	9,327.1	9,277.3	20.6	20.1	112.01	2.0	-660.7	404.3	364.4	39.94	10.124		
9,400.0	9,360.2	9,426.5	9,376.6	20.7	20.3	111.52	-0.3	-665.1	403.2	362.9	40.30	10.004		
9,500.0	9,460.1	9,527.3	9,477.3	20.9	20.5	111.02	-2.7	-669.5	401.9	361.2	40.66	9.883		
9,551.9	9,512.0	9,578.5	9,528.4	21.0	20.6	110.77	-3.9	-671.7	401.3	360.4	40.85	9.823 SF		

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-12D - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 199-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	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)				
0.0	0.0	10.0	10.0	0.0	0.0	45.56	56.1	57.2	80.1					
100.0	100.0	109.5	109.5	0.1	0.2	45.68	56.2	57.6	80.5	80.1	0.31	256.392		
200.0	200.0	208.9	208.9	0.3	0.3	45.99	56.5	58.5	81.3	80.7	0.64	126.773		
300.0	300.0	306.7	306.6	0.5	0.5	170.55	57.4	61.1	85.6	84.6	0.99	86.820		
400.0	399.8	403.0	402.8	0.7	0.7	172.11	59.7	66.3	96.4	95.1	1.33	72.522		
500.0	499.5	498.6	498.0	0.9	0.9	173.62	63.8	73.8	113.7	112.1	1.67	68.121		
600.0	598.8	593.0	591.8	1.2	1.2	175.00	69.1	83.3	136.4	134.4	2.01	67.945 SF		
700.0	698.1	687.0	684.9	1.4	1.4	175.95	75.7	94.1	161.2	158.9	2.34	68.774		
800.0	797.4	779.7	776.5	1.7	1.7	176.61	83.4	106.3	188.1	185.5	2.68	70.255		
900.0	896.7	874.3	869.6	1.9	2.0	177.05	92.3	119.8	216.6	213.6	3.01	71.875		
1,000.0	996.0	975.0	969.0	2.2	2.4	177.53	101.0	133.8	244.4	241.0	3.36	72.715		
1,100.0	1,095.3	1,076.6	1,069.6	2.5	2.7	178.10	107.6	146.4	269.8	266.0	3.71	72.694		
1,200.0	1,194.7	1,175.3	1,167.4	2.7	2.9	178.64	113.1	158.2	294.3	290.2	4.06	72.552		
1,300.0	1,294.0	1,272.1	1,263.5	3.0	3.2	179.16	117.9	169.6	318.3	313.9	4.40	72.360		
1,400.0	1,393.3	1,367.9	1,358.4	3.3	3.5	179.63	122.9	181.3	342.8	338.1	4.74	72.348		
1,500.0	1,492.6	1,469.8	1,459.4	3.5	3.8	179.98	128.4	193.2	367.1	362.0	5.09	72.138		
1,600.0	1,591.9	1,576.1	1,565.1	3.8	4.0	-179.82	133.4	203.3	389.2	383.8	5.45	71.478		
1,700.0	1,691.2	1,677.0	1,665.6	4.1	4.3	-179.71	137.8	211.2	409.7	403.9	5.79	70.710		
1,800.0	1,790.5	1,770.4	1,758.7	4.4	4.5	-179.58	141.5	218.8	430.4	424.2	6.13	70.205		
1,900.0	1,889.8	1,869.2	1,857.0	4.6	4.7	-179.45	145.9	227.5	451.8	445.3	6.48	69.765		
2,000.0	1,989.2	1,965.0	1,952.3	4.9	5.0	-179.32	150.0	235.8	472.9	466.1	6.82	69.389		
2,100.0	2,088.5	2,057.3	2,044.1	5.2	5.2	-179.21	154.2	244.5	494.9	487.8	7.15	69.222		
2,200.0	2,187.8	2,155.2	2,141.4	5.4	5.5	-179.13	159.4	254.1	517.6	510.1	7.49	69.080		
2,300.0	2,287.1	2,253.2	2,238.8	5.7	5.7	-179.14	165.1	263.0	539.9	532.1	7.83	68.920		
2,400.0	2,386.4	2,347.6	2,332.7	6.0	6.0	-179.20	171.0	271.4	562.4	554.2	8.17	68.834		
2,500.0	2,485.7	2,439.2	2,423.7	6.2	6.2	-179.19	176.6	280.8	585.8	577.3	8.50	68.889		
2,600.0	2,585.0	2,536.7	2,520.3	6.5	6.5	-178.97	181.2	292.3	609.9	601.0	8.85	68.927		
2,700.0	2,684.3	2,633.8	2,616.7	6.8	6.8	-178.78	185.6	303.3	633.4	624.2	9.19	68.909		
2,800.0	2,783.6	2,734.7	2,716.8	7.0	7.0	-178.58	190.2	315.2	657.4	647.8	9.54	68.902		
2,900.0	2,883.0	2,836.1	2,817.5	7.3	7.3	-178.44	194.5	325.6	679.9	670.0	9.89	68.730		
3,000.0	2,982.3	2,926.3	2,907.1	7.6	7.5	-178.28	198.1	335.7	703.0	692.8	10.22	68.767		
3,100.0	3,081.6	3,013.7	2,993.8	7.8	7.8	-178.19	202.9	345.8	727.2	716.7	10.55	68.943		
3,200.0	3,180.9	3,110.5	3,089.7	8.1	8.1	-178.12	208.8	357.9	752.7	741.8	10.89	69.109		
3,300.0	3,280.2	3,208.2	3,186.6	8.4	8.4	-177.97	213.5	369.9	777.1	765.9	11.24	69.161		
3,400.0	3,379.5	3,304.0	3,281.4	8.7	8.7	-177.78	217.9	382.7	802.3	790.8	11.58	69.301		
3,500.0	3,478.8	3,411.0	3,387.4	8.9	9.0	-177.65	223.0	395.7	826.7	814.8	11.94	69.256		
3,600.0	3,578.1	3,518.4	3,494.1	9.2	9.2	-177.58	228.2	407.2	849.9	837.6	12.30	69.112		
3,700.0	3,677.5	3,608.7	3,583.8	9.5	9.5	-177.53	232.5	416.5	872.8	860.2	12.63	69.114		
3,800.0	3,776.8	3,708.6	3,683.0	9.7	9.7	-177.51	237.9	427.1	896.2	883.3	12.98	69.074		
3,900.0	3,876.1	3,793.8	3,767.5	10.0	10.0	-177.49	242.6	436.3	919.9	906.6	13.30	69.176		
4,000.0	3,975.4	3,897.5	3,870.4	10.3	10.3	-177.46	248.6	448.2	944.2	930.6	13.65	69.174		
4,100.0	4,074.7	3,987.9	3,960.1	10.5	10.5	-177.46	254.0	458.1	968.2	954.2	13.98	69.249		
4,200.0	4,174.0	4,095.2	4,066.6	10.8	10.8	-177.44	260.2	470.0	992.2	977.8	14.34	69.191		
4,300.0	4,273.3	4,198.1	4,168.8	11.1	11.1	-177.41	265.4	480.6	1,015.2	1,000.5	14.69	69.097		
4,400.0	4,372.6	4,290.1	4,260.2	11.3	11.4	-177.38	270.0	490.2	1,038.3	1,023.2	15.03	69.096		
4,500.0	4,471.9	4,377.0	4,346.4	11.6	11.6	-177.35	274.7	500.2	1,062.4	1,047.0	15.35	69.201		
4,600.0	4,571.3	4,481.6	4,450.1	11.9	11.9	-177.31	280.4	512.3	1,086.7	1,071.0	15.71	69.186		
4,700.0	4,670.6	4,583.5	4,551.4	12.2	12.2	-177.33	286.5	522.5	1,109.9	1,093.8	16.06	69.127		
4,800.0	4,769.9	4,662.0	4,629.2	12.4	12.4	-177.38	291.8	530.7	1,133.8	1,117.4	16.36	69.287		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-13D - DD - Plan #3													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	45.39	21.1	21.4	30.1					
100.0	100.0	100.0	100.0	0.1	0.1	45.39	21.1	21.4	30.1	29.8	0.30	101.406		
200.0	200.0	200.0	200.0	0.3	0.3	45.39	21.1	21.4	30.1	29.4	0.65	46.592 CC, ES		
300.0	300.0	299.7	299.7	0.5	0.5	172.59	20.1	22.8	32.2	31.2	1.00	32.258		
400.0	399.8	398.2	398.1	0.7	0.7	179.52	18.5	27.3	40.0	38.7	1.35	29.581 SF		
500.0	499.5	495.5	495.0	0.9	0.9	-175.06	17.6	34.9	54.9	53.2	1.71	32.185		
600.0	598.8	593.2	592.2	1.2	1.1	-171.85	17.1	44.6	74.8	72.8	2.06	36.287		
700.0	698.1	691.1	689.6	1.4	1.4	-170.02	16.7	54.3	95.1	92.7	2.42	39.292		
800.0	797.4	788.9	787.1	1.7	1.6	-168.83	16.2	64.0	115.5	112.7	2.78	41.532		
900.0	896.7	886.8	884.5	1.9	1.8	-168.00	15.7	73.7	135.8	132.7	3.14	43.261		
1,000.0	996.0	984.7	981.9	2.2	2.1	-167.38	15.3	83.4	156.2	152.7	3.50	44.635		
1,100.0	1,095.3	1,082.6	1,079.3	2.5	2.3	-166.91	14.8	93.1	176.7	172.8	3.86	45.752		
1,200.0	1,194.7	1,180.5	1,176.7	2.7	2.5	-166.53	14.3	102.8	197.1	192.9	4.22	46.678		
1,300.0	1,294.0	1,278.4	1,274.1	3.0	2.8	-166.23	13.8	112.5	217.5	212.9	4.58	47.456		
1,400.0	1,393.3	1,376.3	1,371.5	3.3	3.0	-165.97	13.4	122.2	237.9	233.0	4.94	48.121		
1,500.0	1,492.6	1,474.1	1,468.9	3.5	3.3	-165.76	12.9	131.9	258.4	253.1	5.31	48.694		
1,600.0	1,591.9	1,572.0	1,566.3	3.8	3.5	-165.58	12.4	141.6	278.8	273.1	5.67	49.194		
1,700.0	1,691.2	1,669.9	1,663.7	4.1	3.7	-165.42	11.9	151.3	299.2	293.2	6.03	49.633		
1,800.0	1,790.5	1,767.8	1,761.1	4.4	4.0	-165.29	11.5	161.0	319.7	313.3	6.39	50.023		
1,900.0	1,889.8	1,865.7	1,858.5	4.6	4.2	-165.17	11.0	170.7	340.1	333.4	6.75	50.370		
2,000.0	1,989.2	1,963.6	1,955.9	4.9	4.5	-165.06	10.5	180.4	360.6	353.5	7.11	50.682		
2,100.0	2,088.5	2,061.5	2,053.3	5.2	4.7	-164.97	10.1	190.1	381.0	373.6	7.48	50.963		
2,200.0	2,187.8	2,159.3	2,150.7	5.4	4.9	-164.88	9.6	199.8	401.5	393.6	7.84	51.219		
2,300.0	2,287.1	2,257.2	2,248.1	5.7	5.2	-164.80	9.1	209.5	421.9	413.7	8.20	51.451		
2,400.0	2,386.4	2,355.1	2,345.5	6.0	5.4	-164.73	8.6	219.2	442.4	433.8	8.56	51.664		
2,500.0	2,485.7	2,453.0	2,442.9	6.2	5.7	-164.67	8.2	228.9	462.8	453.9	8.92	51.860		
2,600.0	2,585.0	2,550.9	2,540.3	6.5	5.9	-164.61	7.7	238.6	483.3	474.0	9.29	52.040		
2,700.0	2,684.3	2,648.8	2,637.7	6.8	6.1	-164.56	7.2	248.3	503.7	494.1	9.65	52.206		
2,800.0	2,783.6	2,746.7	2,735.1	7.0	6.4	-164.51	6.8	258.0	524.2	514.2	10.01	52.361		
2,900.0	2,883.0	2,844.5	2,832.5	7.3	6.6	-164.46	6.3	267.7	544.6	534.3	10.37	52.505		
3,000.0	2,982.3	2,942.4	2,929.9	7.6	6.9	-164.42	5.8	277.4	565.1	554.3	10.74	52.638		
3,100.0	3,081.6	3,040.3	3,027.3	7.8	7.1	-164.38	5.3	287.1	585.5	574.4	11.10	52.764		
3,200.0	3,180.9	3,138.2	3,124.7	8.1	7.3	-164.34	4.9	296.9	606.0	594.5	11.46	52.881		
3,300.0	3,280.2	3,236.1	3,222.1	8.4	7.6	-164.31	4.4	306.6	626.4	614.6	11.82	52.991		
3,400.0	3,379.5	3,334.0	3,319.5	8.7	7.8	-164.28	3.9	316.3	646.9	634.7	12.18	53.094		
3,500.0	3,478.8	3,431.9	3,416.9	8.9	8.1	-164.25	3.5	326.0	667.3	654.8	12.55	53.191		
3,600.0	3,578.1	3,529.7	3,514.3	9.2	8.3	-164.22	3.0	335.7	687.8	674.9	12.91	53.283		
3,700.0	3,677.5	3,627.6	3,611.7	9.5	8.6	-164.19	2.5	345.4	708.2	695.0	13.27	53.370		
3,800.0	3,776.8	3,725.5	3,709.1	9.7	8.8	-164.16	2.0	355.1	728.7	715.1	13.63	53.452		
3,900.0	3,876.1	3,823.4	3,806.5	10.0	9.0	-164.14	1.6	364.8	749.1	735.2	13.99	53.530		
4,000.0	3,975.4	3,921.3	3,903.9	10.3	9.3	-164.12	1.1	374.5	769.6	755.2	14.36	53.604		
4,100.0	4,074.7	4,019.2	4,001.3	10.5	9.5	-164.10	0.6	384.2	790.1	775.3	14.72	53.675		
4,200.0	4,174.0	4,117.1	4,098.7	10.8	9.8	-164.08	0.1	393.9	810.5	795.4	15.08	53.742		
4,300.0	4,273.3	4,214.9	4,196.1	11.1	10.0	-164.06	-0.3	403.6	831.0	815.5	15.44	53.805		
4,400.0	4,372.6	4,312.8	4,293.5	11.3	10.2	-164.04	-0.8	413.3	851.4	835.6	15.81	53.866		
4,500.0	4,471.9	4,410.7	4,390.9	11.6	10.5	-164.02	-1.3	423.0	871.9	855.7	16.17	53.924		
4,600.0	4,571.3	4,508.6	4,488.3	11.9	10.7	-164.00	-1.7	432.7	892.3	875.8	16.53	53.980		
4,700.0	4,670.6	4,606.5	4,585.7	12.2	11.0	-163.99	-2.2	442.4	912.8	895.9	16.89	54.033		
4,800.0	4,769.9	4,704.4	4,683.1	12.4	11.2	-163.97	-2.7	452.1	933.2	916.0	17.26	54.084		
4,900.0	4,869.2	4,802.3	4,780.5	12.7	11.4	-163.96	-3.2	461.8	953.7	936.1	17.62	54.133		
5,000.0	4,968.5	4,900.1	4,878.0	13.0	11.7	-163.94	-3.6	471.5	974.1	956.2	17.98	54.180		
5,100.0	5,067.8	4,998.0	4,975.4	13.2	11.9	-163.93	-4.1	481.2	994.6	976.3	18.34	54.225		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design													Chevron C-D29-596 - Chevron #29-13D - DD - Plan #3		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		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor						
							+N/-S (ft)	+E/-W (ft)										
5,200.0	5,167.1	5,095.9	5,072.8	13.5	12.2	-163.92	-4.6	490.9	1,015.1	996.3	18.70	54.268						
5,300.0	5,266.4	5,193.8	5,170.2	13.8	12.4	-163.90	-5.0	500.6	1,035.5	1,016.4	19.07	54.310						
5,400.0	5,365.7	5,291.7	5,267.6	14.0	12.7	-163.89	-5.5	510.3	1,056.0	1,036.5	19.43	54.350						
5,500.0	5,465.1	5,389.6	5,365.0	14.3	12.9	-163.88	-6.0	520.0	1,076.4	1,056.6	19.79	54.388						
5,600.0	5,564.4	5,487.5	5,462.4	14.6	13.1	-163.87	-6.5	529.7	1,096.9	1,076.7	20.15	54.425						
5,700.0	5,663.7	5,585.3	5,559.8	14.8	13.4	-163.86	-6.9	539.4	1,117.3	1,096.8	20.52	54.461						
5,800.0	5,763.0	5,683.2	5,657.2	15.1	13.6	-163.85	-7.4	549.1	1,137.8	1,116.9	20.88	54.496						

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-14D - DD - Plan #3													Offset Site Error:	0.0 ft
Survey Program:		0-MWD											Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	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)				
0.0	0.0	0.0	0.0	0.0	0.0	45.42	28.0	28.5	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	45.42	28.0	28.5	40.0	39.7	0.30	134.681		
200.0	200.0	200.0	200.0	0.3	0.3	45.42	28.0	28.5	40.0	39.3	0.65	61.881 CC, ES		
300.0	300.0	300.3	300.3	0.5	0.5	167.10	28.9	26.9	41.2	40.2	1.00	41.275		
400.0	399.8	400.5	400.3	0.7	0.7	162.08	31.5	22.4	45.3	43.9	1.37	33.049		
500.0	499.5	500.2	499.7	0.9	0.9	155.53	35.9	14.8	52.6	50.8	1.78	29.571		
600.0	598.8	599.5	598.2	1.2	1.2	149.19	41.7	4.8	63.0	60.8	2.23	28.285		
700.0	698.1	698.7	696.7	1.4	1.4	144.54	47.6	-5.6	74.2	71.5	2.69	27.527		
800.0	797.4	797.9	795.2	1.7	1.7	141.11	53.6	-15.9	85.7	82.5	3.17	27.021		
900.0	896.7	897.1	893.7	1.9	2.0	138.51	59.5	-26.3	97.5	93.8	3.66	26.669		
1,000.0	996.0	996.3	992.2	2.2	2.2	136.46	65.5	-36.6	109.4	105.3	4.14	26.415		
1,100.0	1,095.3	1,095.6	1,090.7	2.5	2.5	134.83	71.5	-47.0	121.5	116.8	4.63	26.226		
1,200.0	1,194.7	1,194.8	1,189.2	2.7	2.8	133.48	77.4	-57.3	133.6	128.5	5.12	26.080		
1,300.0	1,294.0	1,294.0	1,287.7	3.0	3.0	132.36	83.4	-67.7	145.8	140.1	5.61	25.967		
1,400.0	1,393.3	1,393.2	1,386.2	3.3	3.3	131.42	89.3	-78.0	158.0	151.9	6.11	25.876		
1,500.0	1,492.6	1,492.4	1,484.7	3.5	3.6	130.61	95.3	-88.4	170.2	163.6	6.60	25.803		
1,600.0	1,591.9	1,591.7	1,583.2	3.8	3.8	129.90	101.3	-98.7	182.5	175.4	7.09	25.742		
1,700.0	1,691.2	1,690.9	1,681.7	4.1	4.1	129.29	107.2	-109.1	194.8	187.3	7.58	25.692		
1,800.0	1,790.5	1,790.1	1,780.2	4.4	4.4	128.75	113.2	-119.4	207.2	199.1	8.08	25.649		
1,900.0	1,889.8	1,889.3	1,878.7	4.6	4.6	128.27	119.1	-129.8	219.5	211.0	8.57	25.613		
2,000.0	1,989.2	1,988.5	1,977.2	4.9	4.9	127.84	125.1	-140.1	231.9	222.8	9.06	25.582		
2,100.0	2,088.5	2,087.8	2,075.7	5.2	5.2	127.46	131.1	-150.5	244.3	234.7	9.56	25.554		
2,200.0	2,187.8	2,187.0	2,174.2	5.4	5.5	127.11	137.0	-160.8	256.7	246.6	10.05	25.531		
2,300.0	2,287.1	2,286.2	2,272.7	5.7	5.7	126.80	143.0	-171.2	269.0	258.5	10.55	25.510		
2,400.0	2,386.4	2,385.4	2,371.2	6.0	6.0	126.51	148.9	-181.5	281.4	270.4	11.04	25.492		
2,500.0	2,485.7	2,484.6	2,469.7	6.2	6.3	126.24	154.9	-191.9	293.9	282.3	11.53	25.476		
2,600.0	2,585.0	2,583.8	2,568.2	6.5	6.5	126.00	160.8	-202.2	306.3	294.2	12.03	25.461		
2,700.0	2,684.3	2,683.1	2,666.7	6.8	6.8	125.78	166.8	-212.6	318.7	306.2	12.52	25.448		
2,800.0	2,783.6	2,782.3	2,765.2	7.0	7.1	125.57	172.8	-223.0	331.1	318.1	13.02	25.436		
2,900.0	2,883.0	2,881.5	2,863.7	7.3	7.4	125.38	178.7	-233.3	343.5	330.0	13.51	25.425		
3,000.0	2,982.3	2,980.7	2,962.2	7.6	7.6	125.20	184.7	-243.7	356.0	342.0	14.01	25.416		
3,100.0	3,081.6	3,079.9	3,060.7	7.8	7.9	125.04	190.6	-254.0	368.4	353.9	14.50	25.407		
3,200.0	3,180.9	3,179.2	3,159.2	8.1	8.2	124.88	196.6	-264.4	380.8	365.8	14.99	25.399		
3,300.0	3,280.2	3,278.4	3,257.7	8.4	8.4	124.73	202.6	-274.7	393.3	377.8	15.49	25.391		
3,400.0	3,379.5	3,377.6	3,356.2	8.7	8.7	124.60	208.5	-285.1	405.7	389.7	15.98	25.384		
3,500.0	3,478.8	3,476.8	3,454.7	8.9	9.0	124.47	214.5	-295.4	418.2	401.7	16.48	25.378		
3,600.0	3,578.1	3,576.0	3,553.2	9.2	9.3	124.35	220.4	-305.8	430.6	413.6	16.97	25.372		
3,700.0	3,677.5	3,675.3	3,651.7	9.5	9.5	124.23	226.4	-316.1	443.0	425.6	17.47	25.367		
3,800.0	3,776.8	3,774.5	3,750.1	9.7	9.8	124.13	232.4	-326.5	455.5	437.5	17.96	25.362		
3,900.0	3,876.1	3,873.7	3,848.6	10.0	10.1	124.02	238.3	-336.8	467.9	449.5	18.45	25.357		
4,000.0	3,975.4	3,972.9	3,947.1	10.3	10.3	123.93	244.3	-347.2	480.4	461.4	18.95	25.353		
4,100.0	4,074.7	4,072.1	4,045.6	10.5	10.6	123.83	250.2	-357.5	492.8	473.4	19.44	25.349		
4,200.0	4,174.0	4,171.3	4,144.1	10.8	10.9	123.75	256.2	-367.9	505.3	485.4	19.94	25.345		
4,300.0	4,273.3	4,270.6	4,242.6	11.1	11.2	123.66	262.1	-378.2	517.7	497.3	20.43	25.341		
4,400.0	4,372.6	4,369.8	4,341.1	11.3	11.4	123.58	268.1	-388.6	530.2	509.3	20.93	25.338		
4,500.0	4,471.9	4,469.0	4,439.6	11.6	11.7	123.51	274.1	-398.9	542.7	521.2	21.42	25.335		
4,600.0	4,571.3	4,568.2	4,538.1	11.9	12.0	123.44	280.0	-409.3	555.1	533.2	21.91	25.332		
4,700.0	4,670.6	4,667.4	4,636.6	12.2	12.2	123.37	286.0	-419.6	567.6	545.2	22.41	25.329		
4,800.0	4,769.9	4,766.7	4,735.1	12.4	12.5	123.30	291.9	-430.0	580.0	557.1	22.90	25.326		
4,900.0	4,869.2	4,865.9	4,833.6	12.7	12.8	123.24	297.9	-440.4	592.5	569.1	23.40	25.324		
5,000.0	4,968.5	4,965.1	4,932.1	13.0	13.1	123.18	303.9	-450.7	605.0	581.1	23.89	25.321		
5,100.0	5,067.8	5,064.3	5,030.6	13.2	13.3	123.12	309.8	-461.1	617.4	593.0	24.39	25.319		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-14D - DD - Plan #3													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)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,167.1	5,163.5	5,129.1	13.5	13.6	123.06	315.8	-471.4	629.9	605.0	24.88	25.317		
5,300.0	5,266.4	5,262.8	5,227.6	13.8	13.9	123.01	321.7	-481.8	642.3	617.0	25.37	25.315		
5,400.0	5,365.7	5,362.0	5,326.1	14.0	14.2	122.96	327.7	-492.1	654.8	628.9	25.87	25.313		
5,500.0	5,465.1	5,461.2	5,424.6	14.3	14.4	122.91	333.7	-502.5	667.3	640.9	26.36	25.311		
5,600.0	5,564.4	5,560.4	5,523.1	14.6	14.7	122.86	339.6	-512.8	679.7	652.9	26.86	25.309		
5,700.0	5,663.7	5,659.6	5,621.6	14.8	15.0	122.81	345.6	-523.2	692.2	664.8	27.35	25.307		
5,800.0	5,763.0	5,758.8	5,720.1	15.1	15.2	122.77	351.5	-533.5	704.7	676.8	27.85	25.306		
5,900.0	5,862.3	5,858.1	5,818.6	15.4	15.5	122.72	357.5	-543.9	717.1	688.8	28.34	25.304		
6,000.0	5,961.6	5,957.3	5,917.1	15.7	15.8	122.68	363.4	-554.2	729.6	700.8	28.83	25.303		
6,100.0	6,061.0	6,056.5	6,015.6	15.9	16.1	122.70	369.4	-564.6	741.9	712.6	29.33	25.293		
6,200.0	6,160.6	6,155.9	6,114.2	16.1	16.3	122.65	375.4	-574.9	752.8	723.0	29.80	25.260		
6,300.0	6,260.4	6,268.2	6,226.0	16.3	16.6	122.39	381.3	-585.3	761.2	730.9	30.23	25.182		
6,400.0	6,360.4	6,384.1	6,341.5	16.4	16.8	122.10	385.2	-592.1	765.6	735.1	30.56	25.049		
6,500.0	6,460.4	6,500.3	6,457.7	16.5	17.0	118.38	386.8	-594.8	767.2	736.4	30.86	24.861		
6,600.0	6,560.4	6,605.7	6,563.1	16.7	17.1	118.44	386.7	-595.2	767.7	736.5	31.15	24.648		
6,700.0	6,660.4	6,707.8	6,665.1	16.8	17.2	118.45	386.1	-596.2	767.8	736.3	31.43	24.425		
6,800.0	6,760.4	6,807.8	6,765.1	17.0	17.3	118.45	385.5	-597.3	767.8	736.1	31.72	24.204		
6,900.0	6,860.4	6,907.8	6,865.1	17.1	17.5	118.45	384.8	-598.4	767.8	735.8	32.01	23.987		
7,000.0	6,960.4	7,007.8	6,965.1	17.2	17.6	118.45	384.2	-599.6	767.8	735.5	32.30	23.772		
7,100.0	7,060.3	7,107.8	7,065.1	17.4	17.7	118.45	383.5	-600.7	767.8	735.2	32.59	23.560		
7,200.0	7,160.3	7,207.8	7,165.1	17.5	17.9	118.45	382.9	-601.8	767.8	734.9	32.88	23.351		
7,300.0	7,260.3	7,307.8	7,265.1	17.6	18.0	118.45	382.2	-602.9	767.8	734.6	33.17	23.145		
7,400.0	7,360.3	7,407.8	7,365.1	17.8	18.1	118.45	381.6	-604.1	767.8	734.3	33.47	22.942		
7,500.0	7,460.3	7,507.8	7,465.1	17.9	18.3	118.45	380.9	-605.2	767.8	734.0	33.76	22.741		
7,600.0	7,560.3	7,607.8	7,565.1	18.1	18.4	118.45	380.3	-606.3	767.8	733.7	34.06	22.544		
7,700.0	7,660.3	7,707.8	7,665.0	18.2	18.5	118.45	379.6	-607.4	767.8	733.4	34.35	22.349		
7,800.0	7,760.3	7,807.8	7,765.0	18.4	18.7	118.45	379.0	-608.6	767.8	733.1	34.65	22.156		
7,900.0	7,860.3	7,907.8	7,865.0	18.5	18.8	118.45	378.3	-609.7	767.8	732.8	34.95	21.967		
8,000.0	7,960.3	8,007.8	7,965.0	18.7	18.9	118.45	377.7	-610.8	767.8	732.5	35.25	21.780		
8,100.0	8,060.3	8,107.8	8,065.0	18.8	19.1	118.45	377.0	-612.0	767.8	732.2	35.55	21.596		
8,200.0	8,160.3	8,207.8	8,165.0	18.9	19.2	118.45	376.4	-613.1	767.8	731.9	35.85	21.414		
8,300.0	8,260.2	8,307.8	8,265.0	19.1	19.3	118.45	375.7	-614.2	767.8	731.6	36.16	21.234		
8,400.0	8,360.2	8,407.8	8,365.0	19.2	19.5	118.45	375.1	-615.3	767.8	731.3	36.46	21.058		
8,500.0	8,460.2	8,507.8	8,465.0	19.4	19.6	118.45	374.4	-616.5	767.8	731.0	36.77	20.883		
8,600.0	8,560.2	8,607.8	8,565.0	19.5	19.8	118.45	373.8	-617.6	767.8	730.7	37.07	20.711		
8,700.0	8,660.2	8,707.8	8,665.0	19.7	19.9	118.45	373.1	-618.7	767.8	730.4	37.38	20.541		
8,800.0	8,760.2	8,807.8	8,765.0	19.8	20.0	118.45	372.5	-619.9	767.8	730.1	37.68	20.374		
8,900.0	8,860.2	8,907.8	8,864.9	20.0	20.2	118.45	371.8	-621.0	767.8	729.8	37.99	20.209		
9,000.0	8,960.2	9,007.8	8,964.9	20.1	20.3	118.45	371.2	-622.1	767.8	729.5	38.30	20.046		
9,100.0	9,060.2	9,107.8	9,064.9	20.3	20.5	118.45	370.5	-623.2	767.8	729.2	38.61	19.886		
9,200.0	9,160.2	9,207.8	9,164.9	20.4	20.6	118.44	369.8	-624.4	767.8	728.9	38.92	19.728		
9,300.0	9,260.2	9,307.8	9,264.9	20.6	20.8	118.44	369.2	-625.5	767.8	728.5	39.23	19.571		
9,400.0	9,360.2	9,407.8	9,364.9	20.7	20.9	118.44	368.5	-626.6	767.8	728.2	39.54	19.417		
9,500.0	9,460.1	9,507.8	9,464.9	20.9	21.0	118.44	367.9	-627.8	767.8	727.9	39.85	19.265		
9,551.9	9,512.0	9,559.6	9,516.8	21.0	21.1	118.44	367.6	-628.3	767.8	727.8	40.01	19.187 SF		

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-15D - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 200-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	10.0	10.0	0.0	0.0	45.64	35.0	35.8	50.0					
100.0	100.0	110.4	110.4	0.1	0.2	44.40	35.5	34.7	49.6	49.3	0.32	154.123		
200.0	200.0	210.6	210.5	0.3	0.3	40.99	36.7	31.9	48.6	48.0	0.66	74.086		
224.1	224.1	234.6	234.5	0.4	0.4	163.35	37.2	30.9	48.5	47.7	0.76	64.105 CC, ES		
300.0	300.0	310.0	309.8	0.5	0.6	158.66	39.8	27.2	49.8	48.8	1.05	47.480		
400.0	399.8	409.2	408.6	0.7	0.8	151.71	45.4	20.6	55.9	54.4	1.46	38.212		
500.0	499.5	507.9	506.6	0.9	1.1	145.56	52.8	12.1	66.5	64.6	1.90	34.950		
600.0	598.8	605.5	603.5	1.2	1.3	141.87	61.6	3.4	81.1	78.7	2.36	34.394		
700.0	698.1	702.5	699.5	1.4	1.6	139.08	72.2	-5.4	97.9	95.0	2.83	34.638		
800.0	797.4	799.2	794.9	1.7	1.9	136.65	84.2	-14.6	116.2	112.9	3.31	35.148		
900.0	896.7	896.0	890.2	1.9	2.3	134.20	98.0	-25.2	136.2	132.4	3.81	35.755		
1,000.0	996.0	996.6	989.0	2.2	2.6	131.78	112.3	-37.5	156.1	151.8	4.31	36.178		
1,100.0	1,095.3	1,095.7	1,086.8	2.5	3.0	130.46	124.2	-48.4	174.2	169.4	4.80	36.292		
1,200.0	1,194.7	1,192.3	1,182.1	2.7	3.3	129.67	136.2	-58.2	192.8	187.6	5.28	36.509		
1,300.0	1,294.0	1,289.1	1,277.5	3.0	3.6	128.94	149.1	-68.1	212.4	206.6	5.76	36.857		
1,400.0	1,393.3	1,386.1	1,373.2	3.3	3.9	128.32	162.5	-78.1	232.4	226.1	6.25	37.174		
1,500.0	1,492.6	1,487.8	1,473.3	3.5	4.3	127.71	176.1	-88.9	252.1	245.3	6.74	37.390		
1,600.0	1,591.9	1,592.4	1,576.7	3.8	4.6	127.33	187.9	-99.4	269.7	262.5	7.24	37.238		
1,700.0	1,691.2	1,694.9	1,678.2	4.1	4.9	127.01	197.5	-109.8	285.5	277.7	7.73	36.907		
1,800.0	1,790.5	1,790.6	1,773.0	4.4	5.2	126.82	206.4	-119.2	301.1	292.9	8.21	36.688		
1,900.0	1,889.8	1,888.2	1,869.8	4.6	5.5	126.73	216.1	-128.2	317.5	308.8	8.68	36.582		
2,000.0	1,989.2	1,988.4	1,969.0	4.9	5.8	126.68	226.0	-137.3	333.8	324.6	9.16	36.439		
2,100.0	2,088.5	2,089.0	2,068.8	5.2	6.1	126.60	235.2	-146.7	349.4	339.7	9.64	36.227		
2,200.0	2,187.8	2,185.0	2,163.8	5.4	6.3	126.43	244.4	-156.2	365.3	355.2	10.13	36.079		
2,300.0	2,287.1	2,281.3	2,259.2	5.7	6.6	126.22	254.0	-166.1	381.7	371.1	10.61	35.976		
2,400.0	2,386.4	2,379.1	2,355.8	6.0	6.9	126.00	264.6	-176.3	398.9	387.8	11.09	35.969		
2,500.0	2,485.7	2,471.0	2,446.7	6.2	7.3	125.85	275.0	-185.6	416.6	405.0	11.56	36.027		
2,600.0	2,585.0	2,570.4	2,544.8	6.5	7.6	125.61	287.3	-196.3	435.3	423.3	12.06	36.092		
2,700.0	2,684.3	2,669.5	2,642.5	6.8	7.9	125.35	299.1	-207.2	453.6	441.0	12.56	36.127		
2,800.0	2,783.6	2,760.7	2,732.5	7.0	8.2	125.10	310.5	-217.4	472.5	459.4	13.04	36.228		
2,900.0	2,883.0	2,870.0	2,840.2	7.3	8.6	124.83	323.9	-229.7	491.1	477.5	13.55	36.232		
3,000.0	2,982.3	2,965.0	2,934.2	7.6	8.9	124.78	334.6	-238.9	508.7	494.7	14.02	36.279		
3,100.0	3,081.6	3,049.8	3,017.8	7.8	9.2	124.69	345.7	-247.5	528.2	513.7	14.49	36.462		
3,200.0	3,180.9	3,152.6	3,118.9	8.1	9.6	124.46	360.2	-259.2	548.6	533.6	15.00	36.580		
3,300.0	3,280.2	3,261.9	3,226.8	8.4	9.9	124.31	373.5	-270.8	567.1	551.6	15.51	36.576		
3,400.0	3,379.5	3,358.9	3,322.6	8.7	10.2	124.22	384.9	-280.9	585.3	569.3	15.99	36.602		
3,500.0	3,478.8	3,464.6	3,427.1	8.9	10.5	124.17	395.9	-291.4	602.1	585.6	16.49	36.509		
3,600.0	3,578.1	3,549.5	3,511.0	9.2	10.8	124.11	405.8	-300.2	620.2	603.2	16.95	36.591		
3,700.0	3,677.5	3,642.6	3,602.8	9.5	11.2	124.04	418.2	-309.7	639.8	622.4	17.42	36.729		
3,800.0	3,776.8	3,749.0	3,707.9	9.7	11.5	123.99	431.3	-320.4	658.5	640.6	17.92	36.738		
3,900.0	3,876.1	3,838.8	3,796.4	10.0	11.8	123.94	442.9	-329.5	677.8	659.4	18.40	36.847		
4,000.0	3,975.4	3,934.9	3,890.9	10.3	12.2	123.77	456.0	-340.5	697.8	678.9	18.89	36.941		
4,100.0	4,074.7	4,038.0	3,992.4	10.5	12.5	123.64	469.9	-352.1	717.7	698.3	19.40	36.991		
4,200.0	4,174.0	4,149.3	4,102.0	10.8	12.9	123.36	483.3	-366.3	736.1	716.2	19.95	36.905		
4,300.0	4,273.3	4,253.1	4,204.4	11.1	13.2	123.15	494.4	-379.1	753.2	732.8	20.46	36.816		
4,400.0	4,372.6	4,372.0	4,322.1	11.3	13.6	123.04	505.4	-392.2	768.9	747.9	21.00	36.616		
4,500.0	4,471.9	4,444.0	4,393.4	11.6	13.8	123.02	512.1	-399.5	784.7	763.3	21.42	36.641		
4,600.0	4,571.3	4,535.6	4,483.9	11.9	14.1	123.03	523.3	-408.4	803.3	781.4	21.88	36.711		
4,700.0	4,670.6	4,644.3	4,591.3	12.2	14.4	123.08	535.8	-418.4	821.3	798.9	22.38	36.700		
4,800.0	4,769.9	4,751.0	4,697.1	12.4	14.8	123.12	546.7	-428.2	837.9	815.0	22.88	36.614		
4,900.0	4,869.2	4,847.0	4,792.0	12.7	15.1	123.05	556.2	-438.8	854.2	830.8	23.38	36.531		
5,000.0	4,968.5	4,943.0	4,886.9	13.0	15.4	122.96	566.1	-449.5	870.9	847.1	23.86	36.495		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
Survey Program: 200-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
5,100.0	5,067.8	5,038.0	4,980.9	13.2	15.7	122.97	576.2	-458.7	888.0	863.6	24.33	36.499		
5,200.0	5,167.1	5,120.0	5,062.0	13.5	15.9	123.00	585.9	-466.4	906.2	881.4	24.78	36.575		
5,300.0	5,266.4	5,215.0	5,155.7	13.8	16.2	122.99	598.2	-475.8	925.6	900.3	25.25	36.659		
5,400.0	5,365.7	5,337.2	5,276.6	14.0	16.6	123.05	612.4	-486.9	943.5	917.8	25.78	36.605		
5,500.0	5,465.1	5,419.0	5,357.5	14.3	16.9	123.10	622.2	-494.0	961.8	935.6	26.21	36.693		
5,600.0	5,564.4	5,491.3	5,428.7	14.6	17.1	123.13	632.4	-500.7	982.1	955.5	26.63	36.876		
5,700.0	5,663.7	5,601.3	5,536.9	14.8	17.5	123.07	648.4	-512.4	1,003.2	976.0	27.17	36.926		
5,800.0	5,763.0	5,710.4	5,644.3	15.1	17.9	122.91	662.6	-526.0	1,022.6	994.9	27.70	36.914		
5,900.0	5,862.3	5,806.2	5,738.5	15.4	18.3	122.78	674.8	-537.6	1,041.7	1,013.5	28.19	36.947		
6,000.0	5,961.6	5,925.5	5,856.2	15.7	18.6	122.69	689.5	-551.0	1,060.6	1,031.9	28.73	36.910		
6,100.0	6,061.0	6,061.5	5,991.1	15.9	19.0	122.79	700.6	-564.0	1,074.7	1,045.4	29.30	36.682		
6,200.0	6,160.6	6,161.0	6,090.1	16.1	19.2	123.05	708.0	-570.3	1,086.9	1,057.2	29.74	36.543		
6,300.0	6,260.4	6,281.7	6,210.2	16.3	19.5	123.08	715.9	-578.3	1,096.5	1,066.3	30.18	36.327		
6,400.0	6,360.4	6,407.6	6,335.7	16.4	19.8	122.74	720.8	-588.4	1,101.4	1,070.8	30.59	36.004		
6,500.0	6,460.4	6,508.7	6,436.3	16.5	20.0	118.73	723.8	-597.6	1,104.7	1,073.7	30.92	35.727		
6,600.0	6,560.4	6,684.9	6,612.2	16.7	20.2	118.35	723.6	-606.6	1,105.6	1,074.2	31.34	35.276		
6,700.0	6,660.4	6,780.5	6,707.6	16.8	20.3	118.25	720.0	-609.6	1,102.5	1,070.9	31.63	34.852		
6,800.0	6,760.4	6,873.6	6,800.7	17.0	20.4	118.19	717.2	-611.8	1,100.2	1,068.3	31.92	34.470		
6,900.0	6,860.4	6,969.0	6,896.0	17.1	20.5	118.12	714.4	-614.1	1,097.9	1,065.7	32.21	34.086		
6,973.8	6,934.1	7,023.9	6,950.8	17.2	20.5	118.08	713.5	-615.5	1,097.3	1,064.9	32.40	33.865		
7,000.0	6,960.4	7,044.9	6,971.9	17.2	20.6	118.06	713.4	-616.0	1,097.4	1,064.9	32.47	33.793		
7,100.0	7,060.3	7,146.5	7,073.4	17.4	20.7	117.95	713.1	-619.3	1,097.8	1,065.0	32.79	33.481		
7,188.9	7,149.3	7,239.3	7,166.2	17.5	20.8	117.82	712.4	-622.8	1,097.8	1,064.7	33.07	33.197		
7,200.0	7,160.3	7,248.0	7,174.9	17.5	20.8	117.81	712.4	-623.1	1,097.8	1,064.7	33.10	33.169		
7,300.0	7,260.3	7,327.5	7,254.3	17.6	20.9	117.76	712.7	-625.1	1,099.0	1,065.6	33.36	32.942		
7,400.0	7,360.3	7,438.3	7,365.1	17.8	21.1	117.74	713.6	-626.8	1,100.4	1,066.7	33.67	32.679		
7,500.0	7,460.3	7,532.4	7,459.2	17.9	21.2	117.71	714.3	-628.4	1,101.8	1,067.9	33.96	32.442		
7,600.0	7,560.3	7,638.9	7,565.6	18.1	21.4	117.68	714.8	-630.3	1,103.0	1,068.7	34.27	32.182		
7,700.0	7,660.3	7,735.2	7,661.9	18.2	21.5	117.62	715.4	-632.6	1,104.2	1,069.6	34.57	31.939		
7,800.0	7,760.3	7,842.9	7,769.6	18.4	21.6	117.57	716.0	-634.8	1,105.5	1,070.6	34.89	31.687		
7,900.0	7,860.3	7,953.3	7,880.0	18.5	21.8	117.50	715.1	-637.4	1,105.4	1,070.2	35.22	31.390		
8,000.0	7,960.3	8,051.8	7,978.4	18.7	21.9	117.41	714.2	-640.2	1,105.2	1,069.7	35.53	31.109		
8,100.0	8,060.3	8,155.4	8,082.0	18.8	22.0	117.31	713.2	-643.3	1,105.0	1,069.1	35.84	30.828		
8,200.0	8,160.3	8,253.6	8,180.2	18.9	22.1	117.25	712.0	-645.6	1,104.5	1,068.4	36.15	30.557		
8,288.2	8,248.4	8,338.5	8,265.0	19.1	22.3	117.20	711.3	-647.3	1,104.4	1,068.0	36.42	30.324		
8,300.0	8,260.2	8,349.8	8,276.4	19.1	22.3	117.19	711.2	-647.7	1,104.4	1,067.9	36.46	30.293		
8,400.0	8,360.2	8,453.1	8,379.6	19.2	22.4	117.08	710.4	-650.9	1,104.3	1,067.6	36.78	30.027		
8,500.0	8,460.2	8,551.1	8,477.5	19.4	22.5	117.00	709.5	-653.6	1,104.1	1,067.0	37.08	29.774		
8,515.4	8,475.6	8,565.7	8,492.1	19.4	22.6	117.00	709.4	-653.9	1,104.1	1,067.0	37.13	29.737		
8,600.0	8,560.2	8,642.7	8,569.1	19.5	22.7	116.96	709.1	-655.4	1,104.4	1,067.0	37.38	29.545		
8,700.0	8,660.2	8,751.0	8,677.4	19.7	22.8	116.91	708.7	-657.7	1,104.7	1,067.0	37.71	29.299		
8,709.0	8,669.3	8,761.1	8,687.5	19.7	22.8	116.90	708.6	-657.9	1,104.7	1,067.0	37.74	29.275		
8,800.0	8,760.2	8,846.0	8,772.4	19.8	22.9	116.85	708.4	-659.9	1,105.1	1,067.1	38.01	29.071		
8,900.0	8,860.2	8,943.0	8,869.4	20.0	23.1	116.77	708.5	-662.6	1,105.9	1,067.6	38.33	28.853		
9,000.0	8,960.2	9,040.3	8,966.6	20.1	23.2	116.70	708.5	-665.2	1,106.7	1,068.1	38.64	28.644		
9,100.0	9,060.2	9,158.7	9,084.9	20.3	23.4	116.65	707.6	-667.4	1,106.6	1,067.6	38.98	28.390		
9,200.0	9,160.2	9,255.0	9,181.2	20.4	23.5	116.62	706.2	-669.1	1,105.8	1,066.6	39.28	28.149		
9,204.6	9,164.8	9,255.0	9,181.2	20.4	23.5	116.62	706.2	-669.1	1,105.8	1,066.5	39.29	28.144		
9,300.0	9,260.2	9,255.0	9,181.2	20.6	23.5	116.62	706.2	-669.1	1,109.9	1,070.5	39.44	28.142 SF		
9,400.0	9,360.2	9,255.0	9,181.2	20.7	23.5	116.62	706.2	-669.1	1,123.0	1,083.4	39.60	28.360		
9,500.0	9,460.1	9,255.0	9,181.2	20.9	23.5	116.62	706.2	-669.1	1,144.6	1,104.9	39.75	28.793		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-16D - DD - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	45.64	41.9	42.8	59.9					
100.0	100.0	100.0	100.0	0.1	0.1	45.64	41.9	42.8	59.9	59.6	0.30	201.931		
200.0	200.0	200.0	200.0	0.3	0.3	45.64	41.9	42.8	59.9	59.3	0.65	92.779 CC, ES		
300.0	300.0	299.6	299.6	0.5	0.5	167.93	43.3	41.9	61.9	60.9	1.00	62.098		
400.0	399.8	398.8	398.7	0.7	0.7	164.54	47.6	38.9	68.2	66.8	1.36	49.969		
500.0	499.5	497.3	496.8	0.9	0.9	160.11	54.6	34.1	79.0	77.2	1.76	44.895		
600.0	598.8	594.9	593.7	1.2	1.2	155.54	64.3	27.4	93.9	91.8	2.19	42.872		
700.0	698.1	691.6	689.1	1.4	1.5	150.80	76.6	19.0	111.1	108.4	2.66	41.735		
800.0	797.4	787.1	783.0	1.7	1.8	146.14	91.3	8.9	130.5	127.4	3.16	41.268 SF		
900.0	896.7	883.2	876.9	1.9	2.2	141.85	108.2	-2.7	152.2	148.5	3.67	41.428		
1,000.0	996.0	980.2	971.6	2.2	2.6	138.54	125.5	-14.6	174.7	170.5	4.19	41.726		
1,100.0	1,095.3	1,077.2	1,066.3	2.5	3.0	135.98	142.7	-26.5	197.5	192.8	4.69	42.079		
1,200.0	1,194.7	1,174.2	1,161.0	2.7	3.4	133.95	160.0	-38.4	220.7	215.5	5.20	42.442		
1,300.0	1,294.0	1,271.2	1,255.8	3.0	3.8	132.31	177.3	-50.2	244.1	238.4	5.70	42.793		
1,400.0	1,393.3	1,368.2	1,350.5	3.3	4.2	130.96	194.5	-62.1	267.7	261.5	6.21	43.125		
1,500.0	1,492.6	1,465.3	1,445.2	3.5	4.6	129.82	211.8	-74.0	291.3	284.6	6.71	43.435		
1,600.0	1,591.9	1,562.3	1,539.9	3.8	5.0	128.86	229.1	-85.8	315.1	307.9	7.21	43.720		
1,700.0	1,691.2	1,659.3	1,634.6	4.1	5.4	128.03	246.3	-97.7	338.9	331.2	7.71	43.984		
1,800.0	1,790.5	1,756.3	1,729.3	4.4	5.8	127.30	263.6	-109.6	362.8	354.6	8.20	44.227		
1,900.0	1,889.8	1,853.3	1,824.1	4.6	6.2	126.67	280.9	-121.4	386.8	378.1	8.70	44.450		
2,000.0	1,989.2	1,950.3	1,918.8	4.9	6.6	126.11	298.1	-133.3	410.8	401.6	9.20	44.657		
2,100.0	2,088.5	2,047.3	2,013.5	5.2	7.0	125.62	315.4	-145.2	434.8	425.1	9.69	44.847		
2,200.0	2,187.8	2,144.3	2,108.2	5.4	7.4	125.17	332.7	-157.0	458.8	448.6	10.19	45.024		
2,300.0	2,287.1	2,241.3	2,202.9	5.7	7.8	124.77	349.9	-168.9	482.9	472.2	10.69	45.188		
2,400.0	2,386.4	2,338.3	2,297.7	6.0	8.2	124.41	367.2	-180.8	507.0	495.8	11.18	45.340		
2,500.0	2,485.7	2,435.3	2,392.4	6.2	8.6	124.08	384.5	-192.6	531.1	519.4	11.68	45.482		
2,600.0	2,585.0	2,532.3	2,487.1	6.5	9.0	123.78	401.7	-204.5	555.2	543.0	12.17	45.614		
2,700.0	2,684.3	2,629.4	2,581.8	6.8	9.4	123.50	419.0	-216.4	579.3	566.6	12.67	45.738		
2,800.0	2,783.6	2,726.4	2,676.5	7.0	9.8	123.25	436.3	-228.3	603.4	590.3	13.16	45.854		
2,900.0	2,883.0	2,823.4	2,771.3	7.3	10.2	123.01	453.6	-240.1	627.6	613.9	13.65	45.962		
3,000.0	2,982.3	2,920.4	2,866.0	7.6	10.6	122.80	470.8	-252.0	651.8	637.6	14.15	46.064		
3,100.0	3,081.6	3,017.4	2,960.7	7.8	11.0	122.60	488.1	-263.9	675.9	661.3	14.64	46.161		
3,200.0	3,180.9	3,114.4	3,055.4	8.1	11.4	122.41	505.4	-275.7	700.1	685.0	15.14	46.251		
3,300.0	3,280.2	3,211.4	3,150.1	8.4	11.8	122.23	522.6	-287.6	724.3	708.7	15.63	46.337		
3,400.0	3,379.5	3,308.4	3,244.9	8.7	12.2	122.07	539.9	-299.5	748.5	732.4	16.12	46.418		
3,500.0	3,478.8	3,405.4	3,339.6	8.9	12.6	121.92	557.2	-311.3	772.7	756.1	16.62	46.495		
3,600.0	3,578.1	3,502.4	3,434.3	9.2	13.0	121.77	574.4	-323.2	796.9	779.8	17.11	46.568		
3,700.0	3,677.5	3,599.4	3,529.0	9.5	13.5	121.64	591.7	-335.1	821.1	803.5	17.61	46.637		
3,800.0	3,776.8	3,696.5	3,623.7	9.7	13.9	121.51	609.0	-346.9	845.3	827.2	18.10	46.703		
3,900.0	3,876.1	3,793.5	3,718.4	10.0	14.3	121.39	626.2	-358.8	869.5	850.9	18.59	46.766		
4,000.0	3,975.4	3,890.5	3,813.2	10.3	14.7	121.27	643.5	-370.7	893.7	874.6	19.09	46.826		
4,100.0	4,074.7	3,987.5	3,907.9	10.5	15.1	121.16	660.8	-382.5	917.9	898.4	19.58	46.883		
4,200.0	4,174.0	4,084.5	4,002.6	10.8	15.5	121.06	678.0	-394.4	942.2	922.1	20.07	46.937		
4,300.0	4,273.3	4,181.5	4,097.3	11.1	15.9	120.96	695.3	-406.3	966.4	945.8	20.57	46.989		
4,400.0	4,372.6	4,278.5	4,192.0	11.3	16.3	120.87	712.6	-418.1	990.6	969.6	21.06	47.039		
4,500.0	4,471.9	4,375.5	4,286.8	11.6	16.7	120.78	729.8	-430.0	1,014.8	993.3	21.55	47.087		
4,600.0	4,571.3	4,472.5	4,381.5	11.9	17.1	120.70	747.1	-441.9	1,039.1	1,017.0	22.05	47.132		
4,700.0	4,670.6	4,569.5	4,476.2	12.2	17.5	120.62	764.4	-453.8	1,063.3	1,040.8	22.54	47.176		
4,800.0	4,769.9	4,666.5	4,570.9	12.4	17.9	120.54	781.6	-465.6	1,087.5	1,064.5	23.03	47.219		
4,900.0	4,869.2	4,763.5	4,665.6	12.7	18.3	120.47	798.9	-477.5	1,111.8	1,088.3	23.53	47.259		
5,000.0	4,968.5	4,860.6	4,760.4	13.0	18.7	120.40	816.2	-489.4	1,136.0	1,112.0	24.02	47.298		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-3D - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 170-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Total Uncertainty Axis	Separation Factor	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)				
0.0	0.0	10.0	10.0	0.0	0.0	-134.50	-6.9	-7.0	9.9					
100.0	100.0	110.0	110.0	0.1	0.2	-133.51	-7.0	-7.4	10.1	9.8	0.31	32.778 ES		
200.0	200.0	209.8	209.8	0.3	0.3	-130.87	-7.2	-8.3	11.0	10.4	0.64	17.132		
300.0	300.0	309.2	309.1	0.5	0.5	-3.07	-9.0	-12.2	13.4	12.4	0.99	13.559		
400.0	399.8	408.8	408.4	0.7	0.7	1.04	-12.2	-18.9	15.6	14.2	1.34	11.659		
500.0	499.5	508.2	507.1	0.9	1.0	1.30	-18.2	-28.2	18.1	16.4	1.68	10.743		
600.0	598.8	607.5	605.4	1.2	1.3	-1.60	-26.9	-39.5	21.0	18.9	2.03	10.314		
700.0	698.1	707.0	703.4	1.4	1.6	-10.12	-39.7	-51.4	26.8	24.4	2.39	11.181		
800.0	797.4	806.4	801.2	1.7	1.9	-20.57	-54.8	-61.3	33.6	30.8	2.80	11.993		
900.0	896.7	906.4	899.5	1.9	2.3	-28.06	-70.4	-71.0	41.4	38.1	3.25	12.737		
1,000.0	996.0	1,006.6	998.2	2.2	2.6	-33.12	-84.8	-80.2	48.2	44.5	3.72	12.985		
1,100.0	1,095.3	1,106.3	1,096.4	2.5	2.9	-35.67	-98.2	-90.2	54.9	50.7	4.17	13.168		
1,200.0	1,194.7	1,206.8	1,195.6	2.7	3.3	-37.42	-111.2	-100.5	61.1	56.5	4.63	13.206		
1,300.0	1,294.0	1,306.6	1,294.1	3.0	3.6	-38.99	-123.5	-110.3	66.7	61.6	5.09	13.106		
1,400.0	1,393.3	1,407.0	1,393.2	3.3	3.9	-39.90	-135.5	-120.5	72.1	66.6	5.55	13.003		
1,500.0	1,492.6	1,508.4	1,493.8	3.5	4.2	-41.66	-146.2	-129.2	75.7	69.7	6.03	12.555		
1,600.0	1,591.9	1,609.6	1,594.3	3.8	4.5	-44.67	-155.9	-135.7	78.0	71.5	6.57	11.872		
1,700.0	1,691.2	1,710.4	1,694.5	4.1	4.7	-47.61	-163.9	-141.7	78.8	71.6	7.13	11.043		
1,800.0	1,790.5	1,810.6	1,794.3	4.4	4.9	-50.89	-171.3	-147.1	79.1	71.4	7.72	10.255		
1,900.0	1,889.8	1,910.1	1,893.4	4.6	5.2	-54.62	-179.1	-151.7	80.2	71.9	8.33	9.624		
2,000.0	1,989.2	2,011.1	1,994.0	4.9	5.4	-57.76	-186.5	-157.1	81.0	72.0	8.95	9.051		
2,052.9	2,041.7	2,064.1	2,046.8	5.0	5.5	-59.20	-189.8	-160.3	80.9	71.6	9.27	8.732		
2,100.0	2,088.5	2,110.7	2,093.2	5.2	5.6	-60.12	-192.9	-163.5	81.1	71.5	9.54	8.501		
2,200.0	2,187.8	2,210.2	2,192.1	5.4	5.9	-61.42	-200.7	-171.3	82.6	72.5	10.10	8.177		
2,300.0	2,287.1	2,310.9	2,292.1	5.7	6.2	-61.62	-207.8	-180.8	83.1	72.5	10.62	7.830		
2,400.0	2,386.4	2,407.4	2,387.5	6.0	6.5	-60.17	-216.8	-192.1	85.9	74.9	11.06	7.771 SF		
2,500.0	2,485.7	2,506.9	2,485.6	6.2	6.8	-58.32	-228.0	-204.4	90.6	79.1	11.45	7.908		
2,600.0	2,585.0	2,604.8	2,582.0	6.5	7.2	-57.09	-240.6	-215.7	96.9	85.0	11.87	8.161		
2,700.0	2,684.3	2,705.0	2,680.5	6.8	7.5	-55.58	-254.0	-228.1	103.9	91.6	12.27	8.465		
2,800.0	2,783.6	2,805.0	2,779.1	7.0	7.9	-54.69	-266.8	-239.6	110.3	97.6	12.70	8.687		
2,900.0	2,883.0	2,903.1	2,875.6	7.3	8.2	-53.97	-280.1	-250.8	117.5	104.4	13.13	8.947		
3,000.0	2,982.3	3,001.6	2,972.2	7.6	8.6	-52.96	-295.0	-263.0	126.2	112.7	13.54	9.326		
3,100.0	3,081.6	3,101.5	3,070.2	7.8	9.0	-52.21	-310.0	-274.9	135.0	121.0	13.96	9.667		
3,200.0	3,180.9	3,200.7	3,167.5	8.1	9.4	-51.10	-324.9	-287.9	143.9	129.5	14.35	10.024		
3,300.0	3,280.2	3,299.6	3,264.2	8.4	9.8	-49.98	-340.0	-301.3	153.1	138.4	14.72	10.396		
3,400.0	3,379.5	3,398.6	3,361.2	8.7	10.2	-49.25	-355.7	-314.0	162.9	147.7	15.12	10.768		
3,500.0	3,478.8	3,497.8	3,458.3	8.9	10.6	-48.73	-371.7	-326.4	172.8	157.3	15.54	11.119		
3,600.0	3,578.1	3,597.5	3,555.8	9.2	10.9	-48.22	-387.8	-338.9	182.9	166.9	15.96	11.461		
3,700.0	3,677.5	3,699.3	3,655.6	9.5	11.3	-47.73	-403.7	-351.8	192.4	176.0	16.38	11.745		
3,800.0	3,776.8	3,802.0	3,756.5	9.7	11.7	-47.19	-418.1	-364.8	200.4	183.6	16.79	11.934		
3,900.0	3,876.1	3,899.8	3,852.5	10.0	12.1	-46.80	-431.5	-376.9	208.0	190.8	17.21	12.088		
4,000.0	3,975.4	3,999.4	3,950.4	10.3	12.4	-46.55	-445.8	-388.9	216.2	198.6	17.63	12.262		
4,100.0	4,074.7	4,100.1	4,049.4	10.5	12.8	-46.43	-460.1	-400.5	224.2	206.1	18.08	12.401		
4,200.0	4,174.0	4,199.4	4,147.1	10.8	13.2	-46.42	-474.1	-411.5	232.0	213.5	18.53	12.517		
4,300.0	4,273.3	4,298.8	4,244.7	11.1	13.5	-46.19	-488.3	-423.4	240.1	221.1	18.97	12.657		
4,400.0	4,372.6	4,401.5	4,345.7	11.3	13.9	-45.90	-502.2	-436.0	247.6	228.2	19.39	12.765		
4,500.0	4,471.9	4,502.1	4,444.9	11.6	14.2	-45.78	-514.9	-447.5	253.9	234.0	19.84	12.799		
4,600.0	4,571.3	4,599.0	4,540.2	11.9	14.6	-45.68	-527.9	-458.6	261.1	240.8	20.28	12.876		
4,700.0	4,670.6	4,700.0	4,639.5	12.2	15.0	-45.41	-541.7	-471.1	268.7	248.0	20.70	12.981		
4,800.0	4,769.9	4,803.9	4,741.9	12.4	15.3	-45.30	-554.8	-482.9	275.1	253.9	21.14	13.011		
4,900.0	4,869.2	4,903.8	4,840.6	12.7	15.6	-45.51	-566.6	-492.7	280.4	258.7	21.62	12.970		
5,000.0	4,968.5	5,002.0	4,937.6	13.0	15.9	-45.89	-579.1	-501.5	286.4	264.2	22.12	12.942		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-3D - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 170-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		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)	Uncertainty Axis	Separation Factor		
5,100.0	5,067.8	5,103.6	5,037.9	13.2	16.3	-46.15	-591.9	-511.2	292.4	269.8	22.63	12.922		
5,200.0	5,167.1	5,202.7	5,135.8	13.5	16.6	-46.22	-603.7	-521.4	297.9	274.8	23.10	12.897		
5,300.0	5,266.4	5,301.8	5,233.5	13.8	16.9	-46.17	-615.9	-532.3	303.9	280.4	23.54	12.908		
5,400.0	5,365.7	5,405.6	5,336.0	14.0	17.3	-46.23	-628.4	-543.2	309.5	285.5	24.02	12.885		
5,500.0	5,465.1	5,507.3	5,436.6	14.3	17.6	-46.38	-639.5	-553.0	313.9	289.4	24.50	12.813		
5,600.0	5,564.4	5,610.5	5,538.8	14.6	17.9	-46.66	-650.2	-562.2	317.6	292.6	25.01	12.700		
5,700.0	5,663.7	5,714.6	5,642.2	14.8	18.2	-46.98	-659.7	-571.1	320.0	294.5	25.53	12.536		
5,800.0	5,763.0	5,810.9	5,737.6	15.1	18.4	-47.34	-668.7	-578.9	322.6	296.5	26.04	12.389		
5,900.0	5,862.3	5,913.2	5,839.2	15.4	18.7	-47.81	-678.5	-586.7	325.3	298.7	26.58	12.239		
6,000.0	5,961.6	6,016.0	5,941.4	15.7	19.0	-48.31	-687.3	-594.1	326.9	299.8	27.13	12.051		
6,100.0	6,061.0	6,113.2	6,038.0	15.9	19.2	-49.08	-696.2	-599.4	329.2	301.5	27.70	11.883		
6,200.0	6,160.6	6,217.8	6,142.0	16.1	19.4	-49.80	-705.7	-603.7	333.0	304.8	28.22	11.799		
6,300.0	6,260.4	6,329.5	6,253.5	16.3	19.6	-50.07	-713.1	-607.8	336.6	308.0	28.62	11.763		
6,400.0	6,360.4	6,440.0	6,363.8	16.4	19.8	-49.92	-716.4	-610.9	338.7	309.9	28.86	11.736		
6,500.0	6,460.4	6,542.7	6,466.5	16.5	19.9	-53.29	-717.6	-612.3	339.8	310.7	29.12	11.668		
6,600.0	6,560.4	6,642.2	6,566.0	16.7	20.0	-53.31	-718.7	-613.3	340.3	310.9	29.42	11.566		
6,700.0	6,660.4	6,742.8	6,666.6	16.8	20.2	-53.34	-719.8	-614.3	340.7	311.0	29.72	11.463		
6,800.0	6,760.4	6,844.0	6,767.9	17.0	20.3	-53.33	-720.6	-615.5	340.9	310.9	30.02	11.354		
6,900.0	6,860.4	6,944.4	6,868.2	17.1	20.4	-53.30	-721.1	-616.8	340.8	310.5	30.32	11.241		
7,000.0	6,960.4	7,044.8	6,968.6	17.2	20.5	-53.29	-721.6	-618.0	340.6	310.0	30.62	11.124		
7,047.3	7,007.6	7,091.2	7,015.0	17.3	20.6	-53.27	-721.8	-618.6	340.5	309.8	30.76	11.072		
7,100.0	7,060.3	7,143.0	7,066.8	17.4	20.7	-53.23	-722.2	-619.4	340.6	309.7	30.91	11.020		
7,200.0	7,160.3	7,243.4	7,167.2	17.5	20.8	-53.11	-723.0	-621.3	340.8	309.6	31.19	10.926		
7,300.0	7,260.3	7,342.8	7,266.5	17.6	20.9	-52.96	-723.7	-623.3	341.1	309.6	31.47	10.837		
7,400.0	7,360.3	7,442.8	7,366.5	17.8	21.1	-52.76	-724.6	-625.7	341.4	309.7	31.74	10.755		
7,500.0	7,460.3	7,543.6	7,467.3	17.9	21.2	-52.55	-725.3	-628.1	341.6	309.6	32.02	10.669		
7,600.0	7,560.3	7,643.3	7,566.9	18.1	21.3	-52.37	-725.9	-630.3	341.7	309.5	32.29	10.583		
7,700.0	7,660.3	7,742.9	7,666.6	18.2	21.5	-52.20	-726.6	-632.4	341.9	309.4	32.57	10.497		
7,800.0	7,760.3	7,841.7	7,765.3	18.4	21.6	-52.03	-727.6	-634.6	342.4	309.6	32.85	10.423		
7,900.0	7,860.3	7,940.8	7,864.4	18.5	21.7	-51.85	-728.9	-636.9	343.2	310.1	33.13	10.358		
8,000.0	7,960.3	8,040.5	7,964.0	18.7	21.9	-51.64	-730.3	-639.4	344.2	310.8	33.41	10.302		
8,100.0	8,060.3	8,140.9	8,064.3	18.8	22.0	-51.39	-731.7	-642.2	345.2	311.5	33.68	10.248		
8,200.0	8,160.3	8,240.3	8,163.8	18.9	22.2	-51.18	-733.1	-644.7	346.1	312.1	33.96	10.191		
8,300.0	8,260.2	8,339.2	8,262.6	19.1	22.3	-51.00	-734.8	-647.1	347.3	313.1	34.24	10.143		
8,400.0	8,360.2	8,439.6	8,362.9	19.2	22.5	-50.80	-736.6	-649.6	348.7	314.2	34.53	10.099		
8,500.0	8,460.2	8,540.2	8,463.5	19.4	22.7	-50.57	-738.2	-652.3	349.9	315.1	34.81	10.051		
8,600.0	8,560.2	8,640.7	8,563.9	19.5	22.8	-50.34	-739.6	-655.0	350.9	315.8	35.09	10.000		
8,700.0	8,660.2	8,740.4	8,663.6	19.7	23.0	-50.09	-741.0	-657.8	351.9	316.5	35.37	9.949		
8,800.0	8,760.2	8,842.1	8,765.3	19.8	23.1	-49.83	-742.2	-660.6	352.8	317.1	35.65	9.894		
8,900.0	8,860.2	8,942.0	8,865.1	20.0	23.3	-49.58	-743.2	-663.4	353.3	317.4	35.93	9.833		
9,000.0	8,960.2	9,042.2	8,965.3	20.1	23.4	-49.32	-744.1	-666.2	353.9	317.7	36.21	9.772		
9,100.0	9,060.2	9,142.8	9,065.8	20.3	23.6	-49.02	-744.8	-669.3	354.3	317.9	36.49	9.711		
9,200.0	9,160.2	9,243.5	9,166.5	20.4	23.7	-48.70	-745.4	-672.4	354.6	317.9	36.76	9.646		
9,300.0	9,260.2	9,344.6	9,267.6	20.6	23.9	-48.38	-745.7	-675.5	354.7	317.6	37.04	9.575		
9,400.0	9,360.2	9,444.9	9,367.7	20.7	24.0	-48.06	-745.7	-678.5	354.4	317.1	37.31	9.499		
9,500.0	9,460.1	9,544.9	9,467.7	20.9	24.1	-47.72	-745.7	-681.7	354.3	316.7	37.59	9.425		
9,531.7	9,491.8	9,576.6	9,499.4	20.9	24.2	-47.61	-745.7	-682.6	354.2	316.5	37.67	9.402		
9,551.9	9,512.0	9,578.0	9,500.8	21.0	24.2	-47.60	-745.7	-682.7	354.6	316.9	37.71	9.405		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-5D - DD - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	45.55	6.9	7.0	9.9					
100.0	100.0	100.0	100.0	0.1	0.1	45.55	6.9	7.0	9.9	9.6	0.30	33.265		
200.0	200.0	200.0	200.0	0.3	0.3	45.55	6.9	7.0	9.9	9.2	0.65	15.284 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	178.58	6.0	8.5	12.2	11.2	1.00	12.243 SF		
400.0	399.8	399.1	399.0	0.7	0.7	-167.50	3.4	13.0	20.2	18.9	1.36	14.899		
500.0	499.5	497.4	496.9	0.9	0.9	-159.31	-0.9	20.4	34.4	32.7	1.73	19.923		
600.0	598.8	594.3	593.0	1.2	1.2	-154.83	-6.8	30.4	54.0	51.9	2.12	25.496		
700.0	698.1	691.4	689.2	1.4	1.5	-151.74	-13.8	42.5	75.9	73.3	2.52	30.106		
800.0	797.4	789.0	785.7	1.7	1.7	-150.00	-21.0	54.7	97.9	95.0	2.92	33.463		
900.0	896.7	886.5	882.1	1.9	2.0	-148.89	-28.1	67.0	120.0	116.6	3.33	35.991		
1,000.0	996.0	984.0	978.6	2.2	2.3	-148.13	-35.2	79.2	142.1	138.3	3.74	37.958		
1,100.0	1,095.3	1,081.5	1,075.1	2.5	2.6	-147.58	-42.4	91.4	164.2	160.0	4.15	39.529		
1,200.0	1,194.7	1,179.0	1,171.6	2.7	2.9	-147.15	-49.5	103.6	186.3	181.7	4.57	40.812		
1,300.0	1,294.0	1,276.5	1,268.1	3.0	3.2	-146.82	-56.6	115.8	208.4	203.5	4.98	41.879		
1,400.0	1,393.3	1,374.0	1,364.5	3.3	3.5	-146.55	-63.8	128.1	230.6	225.2	5.39	42.779		
1,500.0	1,492.6	1,471.5	1,461.0	3.5	3.8	-146.33	-70.9	140.3	252.7	246.9	5.80	43.549		
1,600.0	1,591.9	1,569.0	1,557.5	3.8	4.1	-146.14	-78.1	152.5	274.9	268.7	6.22	44.215		
1,700.0	1,691.2	1,666.6	1,654.0	4.1	4.4	-145.98	-85.2	164.7	297.1	290.4	6.63	44.796		
1,800.0	1,790.5	1,764.1	1,750.5	4.4	4.7	-145.84	-92.3	176.9	319.2	312.2	7.05	45.308		
1,900.0	1,889.8	1,861.6	1,846.9	4.6	5.0	-145.72	-99.5	189.1	341.4	333.9	7.46	45.761		
2,000.0	1,989.2	1,959.1	1,943.4	4.9	5.3	-145.62	-106.6	201.4	363.5	355.7	7.87	46.167		
2,100.0	2,088.5	2,056.6	2,039.9	5.2	5.6	-145.53	-113.8	213.6	385.7	377.4	8.29	46.531		
2,200.0	2,187.8	2,154.1	2,136.4	5.4	5.9	-145.44	-120.9	225.8	407.9	399.2	8.70	46.860		
2,300.0	2,287.1	2,251.6	2,232.9	5.7	6.2	-145.37	-128.0	238.0	430.0	420.9	9.12	47.159		
2,400.0	2,386.4	2,349.1	2,329.3	6.0	6.5	-145.30	-135.2	250.2	452.2	442.6	9.53	47.432		
2,500.0	2,485.7	2,446.7	2,425.8	6.2	6.8	-145.24	-142.3	262.5	474.3	464.4	9.95	47.681		
2,600.0	2,585.0	2,544.2	2,522.3	6.5	7.1	-145.19	-149.4	274.7	496.5	486.1	10.36	47.910		
2,700.0	2,684.3	2,641.7	2,618.8	6.8	7.4	-145.14	-156.6	286.9	518.7	507.9	10.78	48.121		
2,800.0	2,783.6	2,739.2	2,715.3	7.0	7.7	-145.09	-163.7	299.1	540.8	529.6	11.19	48.317		
2,900.0	2,883.0	2,836.7	2,811.7	7.3	8.0	-145.05	-170.9	311.3	563.0	551.4	11.61	48.498		
3,000.0	2,982.3	2,934.2	2,908.2	7.6	8.3	-145.01	-178.0	323.5	585.2	573.1	12.02	48.667		
3,100.0	3,081.6	3,031.7	3,004.7	7.8	8.6	-144.97	-185.1	335.8	607.3	594.9	12.44	48.824		
3,200.0	3,180.9	3,129.2	3,101.2	8.1	8.9	-144.94	-192.3	348.0	629.5	616.6	12.85	48.971		
3,300.0	3,280.2	3,226.7	3,197.6	8.4	9.2	-144.91	-199.4	360.2	651.7	638.4	13.27	49.109		
3,400.0	3,379.5	3,324.3	3,294.1	8.7	9.5	-144.88	-206.5	372.4	673.8	660.1	13.69	49.238		
3,500.0	3,478.8	3,421.8	3,390.6	8.9	9.8	-144.85	-213.7	384.6	696.0	681.9	14.10	49.359		
3,600.0	3,578.1	3,519.3	3,487.1	9.2	10.1	-144.82	-220.8	396.9	718.2	703.7	14.52	49.474		
3,700.0	3,677.5	3,616.8	3,583.6	9.5	10.4	-144.80	-228.0	409.1	740.3	725.4	14.93	49.582		
3,800.0	3,776.8	3,714.3	3,680.0	9.7	10.7	-144.78	-235.1	421.3	762.5	747.2	15.35	49.684		
3,900.0	3,876.1	3,811.8	3,776.5	10.0	11.0	-144.75	-242.2	433.5	784.7	768.9	15.76	49.781		
4,000.0	3,975.4	3,909.3	3,873.0	10.3	11.3	-144.73	-249.4	445.7	806.8	790.7	16.18	49.873		
4,100.0	4,074.7	4,006.8	3,969.5	10.5	11.6	-144.72	-256.5	457.9	829.0	812.4	16.59	49.960		
4,200.0	4,174.0	4,104.3	4,066.0	10.8	11.9	-144.70	-263.7	470.2	851.2	834.2	17.01	50.043		
4,300.0	4,273.3	4,201.9	4,162.4	11.1	12.2	-144.68	-270.8	482.4	873.3	855.9	17.42	50.122		
4,400.0	4,372.6	4,299.4	4,258.9	11.3	12.5	-144.66	-277.9	494.6	895.5	877.7	17.84	50.197		
4,500.0	4,471.9	4,396.9	4,355.4	11.6	12.8	-144.65	-285.1	506.8	917.7	899.4	18.26	50.268		
4,600.0	4,571.3	4,494.4	4,451.9	11.9	13.1	-144.63	-292.2	519.0	939.8	921.2	18.67	50.337		
4,700.0	4,670.6	4,591.9	4,548.4	12.2	13.4	-144.62	-299.3	531.3	962.0	942.9	19.09	50.402		
4,800.0	4,769.9	4,689.4	4,644.8	12.4	13.7	-144.60	-306.5	543.5	984.2	964.7	19.50	50.465		
4,900.0	4,869.2	4,786.9	4,741.3	12.7	14.0	-144.59	-313.6	555.7	1,006.3	986.4	19.92	50.525		
5,000.0	4,968.5	4,884.4	4,837.8	13.0	14.3	-144.58	-320.8	567.9	1,028.5	1,008.2	20.33	50.583		
5,100.0	5,067.8	4,982.0	4,934.3	13.2	14.6	-144.57	-327.9	580.1	1,050.7	1,029.9	20.75	50.638		

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

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design													Chevron C-D29-596 - Chevron #29-5D - DD - Plan #3		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	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
5,200.0	5,167.1	5,079.5	5,030.8	13.5	14.9	-144.55	-335.0	592.3	1,072.8	1,051.7	21.16	50.691					
5,300.0	5,266.4	5,177.0	5,127.2	13.8	15.2	-144.54	-342.2	604.6	1,095.0	1,073.4	21.58	50.742					
5,400.0	5,365.7	5,274.5	5,223.7	14.0	15.5	-144.53	-349.3	616.8	1,117.2	1,095.2	22.00	50.791					
5,500.0	5,465.1	5,372.0	5,320.2	14.3	15.8	-144.52	-356.5	629.0	1,139.4	1,116.9	22.41	50.838					

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Offset Design Chevron C-D29-596 - Chevron #29-8D - DD - Plan #3													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)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	45.42	49.2	49.9	70.0					
100.0	100.0	100.0	100.0	0.1	0.1	45.42	49.2	49.9	70.0	69.7	0.30	236.056		
200.0	200.0	200.0	200.0	0.3	0.3	45.42	49.2	49.9	70.0	69.4	0.65	108.458 CC, ES		
300.0	300.0	297.6	297.6	0.5	0.5	168.92	50.6	50.8	73.4	72.4	0.99	74.102		
400.0	399.8	394.5	394.3	0.7	0.7	168.74	54.8	53.3	83.5	82.1	1.33	62.549		
500.0	499.5	490.1	489.6	0.9	0.9	168.52	61.7	57.6	100.2	98.5	1.68	59.731 SF		
600.0	598.8	584.0	582.8	1.2	1.1	168.29	71.0	63.4	122.7	120.7	2.02	60.730		
700.0	698.1	676.3	674.1	1.4	1.4	167.89	82.8	70.6	148.5	146.2	2.37	62.800		
800.0	797.4	767.3	763.6	1.7	1.7	167.40	96.8	79.2	177.4	174.7	2.71	65.503		
900.0	896.7	862.6	857.1	1.9	2.1	166.95	112.7	89.0	207.5	204.5	3.06	67.820		
1,000.0	996.0	958.0	950.6	2.2	2.4	166.61	128.5	98.7	237.7	234.3	3.41	69.673		
1,100.0	1,095.3	1,053.3	1,044.1	2.5	2.8	166.34	144.4	108.5	267.9	264.2	3.76	71.176		
1,200.0	1,194.7	1,148.6	1,137.6	2.7	3.1	166.13	160.2	118.2	298.1	294.0	4.12	72.418		
1,300.0	1,294.0	1,243.9	1,231.1	3.0	3.5	165.96	176.0	128.0	328.3	323.8	4.47	73.463		
1,400.0	1,393.3	1,339.3	1,324.6	3.3	3.9	165.82	191.9	137.7	358.5	353.7	4.82	74.354		
1,500.0	1,492.6	1,434.6	1,418.1	3.5	4.2	165.70	207.7	147.5	388.7	383.5	5.17	75.123		
1,600.0	1,591.9	1,529.9	1,511.6	3.8	4.6	165.60	223.6	157.2	418.9	413.4	5.53	75.793		
1,700.0	1,691.2	1,625.3	1,605.1	4.1	5.0	165.51	239.4	167.0	449.1	443.2	5.88	76.382		
1,800.0	1,790.5	1,720.6	1,698.6	4.4	5.3	165.43	255.3	176.7	479.3	473.1	6.23	76.904		
1,900.0	1,889.8	1,815.9	1,792.1	4.6	5.7	165.36	271.1	186.5	509.5	502.9	6.59	77.370		
2,000.0	1,989.2	1,911.2	1,885.5	4.9	6.0	165.30	286.9	196.2	539.7	532.8	6.94	77.788		
2,100.0	2,088.5	2,006.6	1,979.0	5.2	6.4	165.24	302.8	206.0	569.9	562.6	7.29	78.165		
2,200.0	2,187.8	2,101.9	2,072.5	5.4	6.8	165.19	318.6	215.7	600.1	592.5	7.64	78.508		
2,300.0	2,287.1	2,197.2	2,166.0	5.7	7.1	165.15	334.5	225.5	630.3	622.3	8.00	78.820		
2,400.0	2,386.4	2,292.5	2,259.5	6.0	7.5	165.11	350.3	235.2	660.5	652.2	8.35	79.106		
2,500.0	2,485.7	2,387.9	2,353.0	6.2	7.9	165.07	366.2	245.0	690.7	682.0	8.70	79.368		
2,600.0	2,585.0	2,483.2	2,446.5	6.5	8.2	165.04	382.0	254.7	721.0	711.9	9.06	79.610		
2,700.0	2,684.3	2,578.5	2,540.0	6.8	8.6	165.01	397.8	264.5	751.2	741.7	9.41	79.833		
2,800.0	2,783.6	2,673.9	2,633.5	7.0	9.0	164.98	413.7	274.2	781.4	771.6	9.76	80.041		
2,900.0	2,883.0	2,769.2	2,727.0	7.3	9.3	164.95	429.5	284.0	811.6	801.5	10.12	80.234		
3,000.0	2,982.3	2,864.5	2,820.5	7.6	9.7	164.93	445.4	293.7	841.8	831.3	10.47	80.414		
3,100.0	3,081.6	2,959.8	2,914.0	7.8	10.1	164.91	461.2	303.5	872.0	861.2	10.82	80.582		
3,200.0	3,180.9	3,055.2	3,007.5	8.1	10.4	164.88	477.0	313.2	902.2	891.0	11.17	80.739		
3,300.0	3,280.2	3,150.5	3,101.0	8.4	10.8	164.86	492.9	323.0	932.4	920.9	11.53	80.887		
3,400.0	3,379.5	3,245.8	3,194.5	8.7	11.2	164.85	508.7	332.8	962.6	950.7	11.88	81.026		
3,500.0	3,478.8	3,341.2	3,288.0	8.9	11.5	164.83	524.6	342.5	992.8	980.6	12.23	81.157		
3,600.0	3,578.1	3,436.5	3,381.5	9.2	11.9	164.81	540.4	352.3	1,023.0	1,010.4	12.59	81.280		
3,700.0	3,677.5	3,531.8	3,475.0	9.5	12.3	164.80	556.3	362.0	1,053.2	1,040.3	12.94	81.397		
3,800.0	3,776.8	3,627.1	3,568.5	9.7	12.6	164.78	572.1	371.8	1,083.4	1,070.1	13.29	81.508		
3,900.0	3,876.1	3,722.5	3,662.0	10.0	13.0	164.77	587.9	381.5	1,113.6	1,100.0	13.65	81.613		
4,000.0	3,975.4	3,817.8	3,755.5	10.3	13.4	164.75	603.8	391.3	1,143.9	1,129.9	14.00	81.712		

Anticollision Report

Company:	Berry Petroleum Company (NAD 83)	Local Co-ordinate Reference:	Well Chevron #29-6D
Project:	Garfield County	TVD Reference:	Well @ 7896.0ft
Reference Site:	Chevron C-D29-596	MD Reference:	Well @ 7896.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Chevron #29-6D	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to Well @ 7896.0ft

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Chevron #29-6D

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: -1.70°

