

Berry Petroleum Company

BERRY PETROLEUM COMPANY

GARFIELD COUNTY, COLORADO

OM G03 696 PAD

GRANLEE OM02C

OM02C

Plan: PLAN #1

Standard Planning Report

08 September, 2008



Weatherford®



Berry Petroleum Company

GRANLEE OM02C
GARFIELD COUNTY, COLORADO
SECTION 3-T6S-R96W
1948 FNL, 1564 FEL
39° 33' 27.730 N
108° 5' 29.7900 W



Weatherford®

WELL DETAILS: GRANLEE OM02C

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1638443.59	2269387.16	8163.50	39° 33' 27.730 N	108° 5' 29.7900 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

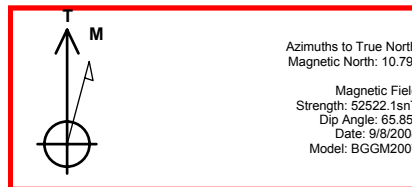
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL_OM02C-G03-695	11355.00	984.50	-517.68	1639442.45	2268897.78	39° 33' 37.460 N	108° 5' 36.4000 W	Rectangle (Sides: L100.00 W200.00)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	
3	310.00	3.00	336.67	309.93	3.61	-1.55	2.00	336.67	3.89	
4	1000.00	3.00	336.67	998.99	36.76	-15.86	0.00	0.00	39.69	
5	1329.19	9.58	336.67	1326.01	69.87	-30.14	2.00	-0.01	75.44	
6	7033.88	9.58	336.67	6951.08	941.96	-406.35	0.00	0.00	1016.99	
7	7992.26	0.00	0.00	7905.00	1015.39	-438.02	1.00	180.00	1096.27	
8	8242.26	2.50	240.00	8154.92	1012.66	-442.74	1.00	240.00	1096.35	
9	11445.39	2.50	240.00	11355.00	942.80	-563.74	0.00	0.00	1098.49	PBHL_OM02C-G03-695

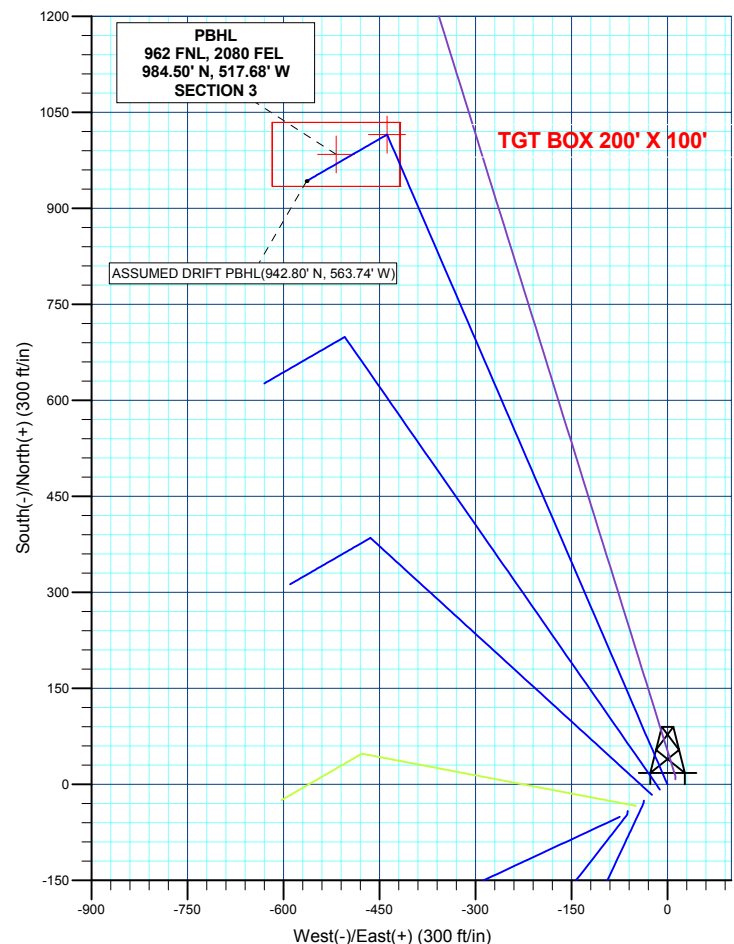
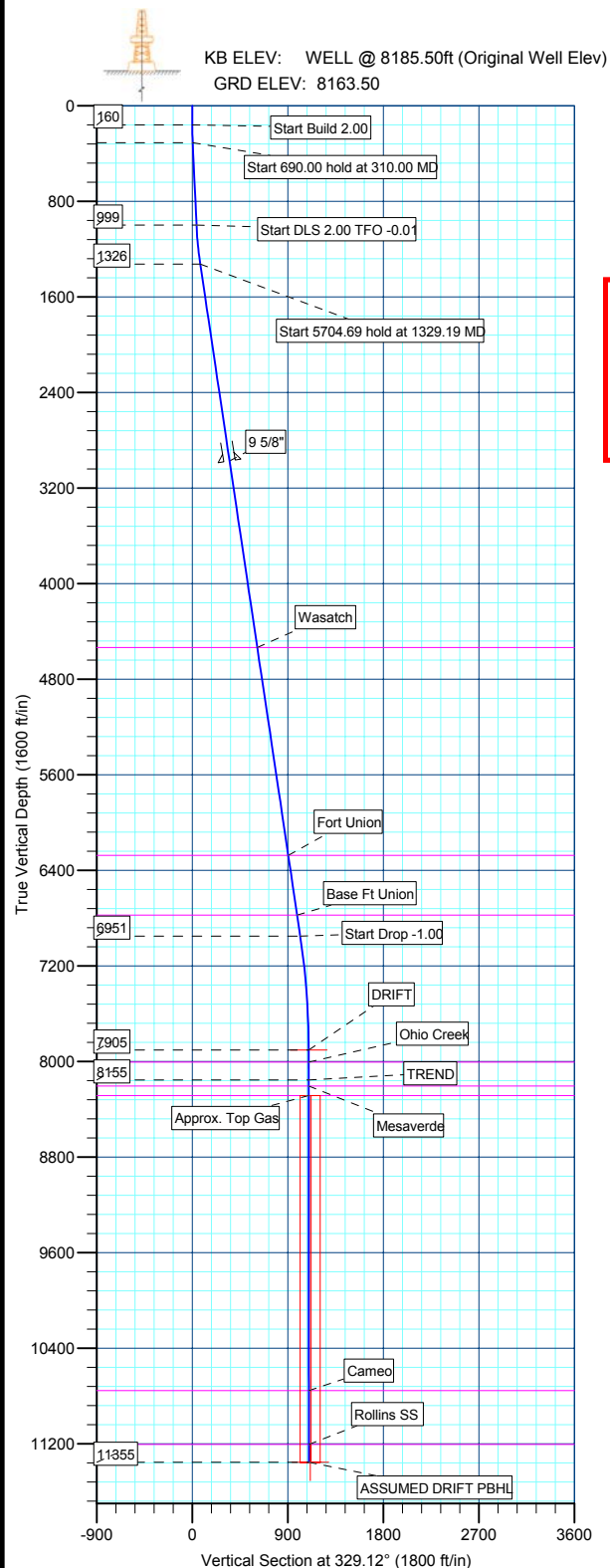
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4535.00	4583.60	Wasatch
6275.00	6348.23	Fort Union
6775.00	6855.30	Base Ft Union
8005.00	8092.26	Ohio Creek
8205.00	8292.39	Mesaverde
8285.00	8372.46	Approx. Top Gas
10755.00	10844.82	Cameo
11205.00	11295.24	Rollins SS



Azimuths to True North
Magnetic North: 10.79°

Magnetic Field
Strength: 52522.1nT
Dip Angle: 65.85°
Date: 9/8/2008
Model: BGGM2007



Plan: PLAN #1 (GRANLEE OM02C/OM02C)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM02C
Company:	BERRY PETROLEUM COMPANY	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM02C		
Design:	PLAN #1		

Project	GARFIELD COUNTY, COLORADO, COLORADO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	OM G03 696 PAD, SECTION 3-T6S-R96W				
Site Position:		Northing:	1,638,395.15ft	Latitude:	39° 33' 27.230 N
From:	Lat/Long	Easting:	2,269,311.35ft	Longitude:	108° 5' 30.7400 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	-1.63 °

Well	GRANLEE OM02C					
Well Position	+N/-S	50.58 ft	Northing:	1,638,443.59 ft	Latitude:	39° 33' 27.730 N
	+E/-W	74.40 ft	Easting:	2,269,387.16 ft	Longitude:	108° 5' 29.7900 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	8,163.50 ft

Wellbore	OM02C				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	9/8/2008	10.79	65.85	52,522

Design	PLAN #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	329.12	

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	0.00	
310.00	3.00	336.67	309.93	3.61	-1.55	2.00	2.00	0.00	336.67	
1,000.00	3.00	336.67	998.99	36.76	-15.86	0.00	0.00	0.00	0.00	
1,329.19	9.58	336.67	1,326.01	69.87	-30.14	2.00	2.00	0.00	-0.01	
7,033.88	9.58	336.67	6,951.08	941.96	-406.35	0.00	0.00	0.00	0.00	
7,992.26	0.00	0.00	7,905.00	1,015.39	-438.02	1.00	-1.00	0.00	180.00	
8,242.26	2.50	240.00	8,154.92	1,012.66	-442.74	1.00	1.00	0.00	240.00	
11,445.39	2.50	240.00	11,355.00	942.80	-563.74	0.00	0.00	0.00	0.00	PBHL_OM02C-G03



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Company:	BERRY PETROLEUM COMPANY	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM02C		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
160.00	0.00	0.00	160.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
200.00	0.80	336.67	200.00	0.26	-0.11	0.28	2.00	2.00	0.00
300.00	2.80	336.67	299.94	3.14	-1.35	3.39	2.00	2.00	0.00
310.00	3.00	336.67	309.93	3.61	-1.55	3.89	2.00	2.00	0.00
Start 690.00 hold at 310.00 MD									
400.00	3.00	336.67	399.81	7.93	-3.42	8.56	0.00	0.00	0.00
500.00	3.00	336.67	499.67	12.74	-5.49	13.75	0.00	0.00	0.00
600.00	3.00	336.67	599.53	17.54	-7.57	18.94	0.00	0.00	0.00
700.00	3.00	336.67	699.40	22.35	-9.64	24.13	0.00	0.00	0.00
800.00	3.00	336.67	799.26	27.15	-11.71	29.31	0.00	0.00	0.00
900.00	3.00	336.67	899.12	31.96	-13.78	34.50	0.00	0.00	0.00
1,000.00	3.00	336.67	998.99	36.76	-15.86	39.69	0.00	0.00	0.00
Start DLS 2.00 TFO -0.01									
1,100.00	5.00	336.67	1,098.74	43.17	-18.62	46.61	2.00	2.00	0.00
1,200.00	7.00	336.67	1,198.18	52.77	-22.76	56.97	2.00	2.00	0.00
1,300.00	9.00	336.67	1,297.21	65.55	-28.27	70.76	2.00	2.00	0.00
1,329.19	9.58	336.67	1,326.01	69.87	-30.14	75.44	2.00	2.00	0.00
Start 5704.69 hold at 1329.19 MD									
1,400.00	9.58	336.67	1,395.83	80.70	-34.81	87.12	0.00	0.00	0.00
1,500.00	9.58	336.67	1,494.44	95.98	-41.40	103.63	0.00	0.00	0.00
1,600.00	9.58	336.67	1,593.04	111.27	-48.00	120.13	0.00	0.00	0.00
1,700.00	9.58	336.67	1,691.65	126.56	-54.59	136.64	0.00	0.00	0.00
1,800.00	9.58	336.67	1,790.25	141.85	-61.19	153.14	0.00	0.00	0.00
1,900.00	9.58	336.67	1,888.86	157.13	-67.78	169.65	0.00	0.00	0.00
2,000.00	9.58	336.67	1,987.46	172.42	-74.38	186.15	0.00	0.00	0.00
2,100.00	9.58	336.67	2,086.06	187.71	-80.97	202.66	0.00	0.00	0.00
2,200.00	9.58	336.67	2,184.67	203.00	-87.57	219.16	0.00	0.00	0.00
2,300.00	9.58	336.67	2,283.27	218.28	-94.16	235.67	0.00	0.00	0.00
2,400.00	9.58	336.67	2,381.88	233.57	-100.75	252.17	0.00	0.00	0.00
2,500.00	9.58	336.67	2,480.48	248.86	-107.35	268.68	0.00	0.00	0.00
2,600.00	9.58	336.67	2,579.09	264.14	-113.94	285.18	0.00	0.00	0.00
2,700.00	9.58	336.67	2,677.69	279.43	-120.54	301.69	0.00	0.00	0.00
2,800.00	9.58	336.67	2,776.30	294.72	-127.13	318.19	0.00	0.00	0.00
2,900.00	9.58	336.67	2,874.90	310.01	-133.73	334.70	0.00	0.00	0.00
3,000.00	9.58	336.67	2,973.50	325.29	-140.32	351.20	0.00	0.00	0.00
9 5/8"									
3,100.00	9.58	336.67	3,072.11	340.58	-146.92	367.71	0.00	0.00	0.00
3,200.00	9.58	336.67	3,170.71	355.87	-153.51	384.21	0.00	0.00	0.00
3,300.00	9.58	336.67	3,269.32	371.16	-160.11	400.72	0.00	0.00	0.00
3,400.00	9.58	336.67	3,367.92	386.44	-166.70	417.22	0.00	0.00	0.00
3,500.00	9.58	336.67	3,466.53	401.73	-173.30	433.73	0.00	0.00	0.00
3,600.00	9.58	336.67	3,565.13	417.02	-179.89	450.23	0.00	0.00	0.00
3,700.00	9.58	336.67	3,663.73	432.30	-186.49	466.74	0.00	0.00	0.00
3,800.00	9.58	336.67	3,762.34	447.59	-193.08	483.24	0.00	0.00	0.00
3,900.00	9.58	336.67	3,860.94	462.88	-199.68	499.75	0.00	0.00	0.00
4,000.00	9.58	336.67	3,959.55	478.17	-206.27	516.25	0.00	0.00	0.00
4,100.00	9.58	336.67	4,058.15	493.45	-212.87	532.76	0.00	0.00	0.00
4,200.00	9.58	336.67	4,156.76	508.74	-219.46	549.26	0.00	0.00	0.00
4,300.00	9.58	336.67	4,255.36	524.03	-226.05	565.77	0.00	0.00	0.00
4,400.00	9.58	336.67	4,353.96	539.31	-232.65	582.27	0.00	0.00	0.00
4,500.00	9.58	336.67	4,452.57	554.60	-239.24	598.78	0.00	0.00	0.00
4,583.60	9.58	336.67	4,535.00	567.38	-244.76	612.58	0.00	0.00	0.00



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Project:	GARFIELD COUNTY, COLORADO	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM02C		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Wasatch									
4,600.00	9.58	336.67	4,551.17	569.89	-245.84	615.28	0.00	0.00	0.00
4,700.00	9.58	336.67	4,649.78	585.18	-252.43	631.79	0.00	0.00	0.00
4,800.00	9.58	336.67	4,748.38	600.46	-259.03	648.29	0.00	0.00	0.00
4,900.00	9.58	336.67	4,846.99	615.75	-265.62	664.80	0.00	0.00	0.00
5,000.00	9.58	336.67	4,945.59	631.04	-272.22	681.30	0.00	0.00	0.00
5,100.00	9.58	336.67	5,044.19	646.33	-278.81	697.81	0.00	0.00	0.00
5,200.00	9.58	336.67	5,142.80	661.61	-285.41	714.31	0.00	0.00	0.00
5,300.00	9.58	336.67	5,241.40	676.90	-292.00	730.82	0.00	0.00	0.00
5,400.00	9.58	336.67	5,340.01	692.19	-298.60	747.32	0.00	0.00	0.00
5,500.00	9.58	336.67	5,438.61	707.47	-305.19	763.83	0.00	0.00	0.00
5,600.00	9.58	336.67	5,537.22	722.76	-311.79	780.33	0.00	0.00	0.00
5,700.00	9.58	336.67	5,635.82	738.05	-318.38	796.84	0.00	0.00	0.00
5,800.00	9.58	336.67	5,734.42	753.34	-324.98	813.34	0.00	0.00	0.00
5,900.00	9.58	336.67	5,833.03	768.62	-331.57	829.85	0.00	0.00	0.00
6,000.00	9.58	336.67	5,931.63	783.91	-338.17	846.35	0.00	0.00	0.00
6,100.00	9.58	336.67	6,030.24	799.20	-344.76	862.86	0.00	0.00	0.00
6,200.00	9.58	336.67	6,128.84	814.48	-351.35	879.36	0.00	0.00	0.00
6,300.00	9.58	336.67	6,227.45	829.77	-357.95	895.87	0.00	0.00	0.00
6,348.23	9.58	336.67	6,275.00	837.14	-361.13	903.83	0.00	0.00	0.00
Fort Union									
6,400.00	9.58	336.67	6,326.05	845.06	-364.54	912.37	0.00	0.00	0.00
6,500.00	9.58	336.67	6,424.65	860.35	-371.14	928.88	0.00	0.00	0.00
6,600.00	9.58	336.67	6,523.26	875.63	-377.73	945.38	0.00	0.00	0.00
6,700.00	9.58	336.67	6,621.86	890.92	-384.33	961.89	0.00	0.00	0.00
6,800.00	9.58	336.67	6,720.47	906.21	-390.92	978.39	0.00	0.00	0.00
6,855.30	9.58	336.67	6,775.00	914.66	-394.57	987.52	0.00	0.00	0.00
Base Ft Union									
6,900.00	9.58	336.67	6,819.07	921.50	-397.52	994.90	0.00	0.00	0.00
7,000.00	9.58	336.67	6,917.68	936.78	-404.11	1,011.40	0.00	0.00	0.00
7,033.88	9.58	336.67	6,951.08	941.96	-406.35	1,016.99	0.00	0.00	0.00
Start Drop -1.00									
7,100.00	8.92	336.67	7,016.34	951.72	-410.56	1,027.53	1.00	-1.00	0.00
7,200.00	7.92	336.67	7,115.26	965.17	-416.36	1,042.05	1.00	-1.00	0.00
7,300.00	6.92	336.67	7,214.42	977.04	-421.48	1,054.86	1.00	-1.00	0.00
7,400.00	5.92	336.67	7,313.79	987.31	-425.91	1,065.95	1.00	-1.00	0.00
7,500.00	4.92	336.67	7,413.35	995.98	-429.65	1,075.32	1.00	-1.00	0.00
7,600.00	3.92	336.67	7,513.05	1,003.06	-432.71	1,082.96	1.00	-1.00	0.00
7,700.00	2.92	336.67	7,612.87	1,008.55	-435.07	1,088.88	1.00	-1.00	0.00
7,800.00	1.92	336.67	7,712.78	1,012.43	-436.74	1,093.07	1.00	-1.00	0.00
7,900.00	0.92	336.67	7,812.74	1,014.71	-437.73	1,095.53	1.00	-1.00	0.00
7,992.26	0.00	0.00	7,905.00	1,015.39	-438.02	1,096.27	1.00	-1.00	0.00
DRIFT - Plan @ 7905.00 (GRANLEE OM02C OM02C PLAN #1)									
8,000.00	0.08	240.00	7,912.74	1,015.39	-438.03	1,096.27	1.00	1.00	0.00
8,092.26	1.00	240.00	8,005.00	1,014.95	-438.78	1,096.28	1.00	1.00	0.00
Ohio Creek									
8,100.00	1.08	240.00	8,012.73	1,014.88	-438.90	1,096.28	1.00	1.00	0.00
8,200.00	2.08	240.00	8,112.69	1,013.51	-441.28	1,096.33	1.00	1.00	0.00
8,242.26	2.50	240.00	8,154.92	1,012.66	-442.74	1,096.35	1.00	1.00	0.00
TREND									
8,292.39	2.50	240.00	8,205.00	1,011.57	-444.64	1,096.39	0.00	0.00	0.00
Mesaverde									
8,300.00	2.50	240.00	8,212.61	1,011.40	-444.93	1,096.39	0.00	0.00	0.00



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Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM02C		
Design:	PLAN #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,372.46	2.50	240.00	8,285.00	1,009.82	-447.66	1,096.44	0.00	0.00	0.00
Approx. Top Gas									
8,400.00	2.50	240.00	8,312.51	1,009.22	-448.70	1,096.46	0.00	0.00	0.00
8,500.00	2.50	240.00	8,412.42	1,007.04	-452.48	1,096.52	0.00	0.00	0.00
8,600.00	2.50	240.00	8,512.32	1,004.86	-456.26	1,096.59	0.00	0.00	0.00
8,700.00	2.50	240.00	8,612.23	1,002.68	-460.04	1,096.66	0.00	0.00	0.00
8,800.00	2.50	240.00	8,712.13	1,000.50	-463.81	1,096.72	0.00	0.00	0.00
8,900.00	2.50	240.00	8,812.03	998.32	-467.59	1,096.79	0.00	0.00	0.00
9,000.00	2.50	240.00	8,911.94	996.14	-471.37	1,096.86	0.00	0.00	0.00
9,100.00	2.50	240.00	9,011.84	993.95	-475.15	1,096.93	0.00	0.00	0.00
9,200.00	2.50	240.00	9,111.75	991.77	-478.92	1,096.99	0.00	0.00	0.00
9,300.00	2.50	240.00	9,211.65	989.59	-482.70	1,097.06	0.00	0.00	0.00
9,400.00	2.50	240.00	9,311.56	987.41	-486.48	1,097.13	0.00	0.00	0.00
9,500.00	2.50	240.00	9,411.46	985.23	-490.26	1,097.19	0.00	0.00	0.00
9,600.00	2.50	240.00	9,511.37	983.05	-494.03	1,097.26	0.00	0.00	0.00
9,700.00	2.50	240.00	9,611.27	980.87	-497.81	1,097.33	0.00	0.00	0.00
9,800.00	2.50	240.00	9,711.18	978.69	-501.59	1,097.39	0.00	0.00	0.00
9,900.00	2.50	240.00	9,811.08	976.51	-505.37	1,097.46	0.00	0.00	0.00
10,000.00	2.50	240.00	9,910.99	974.33	-509.14	1,097.53	0.00	0.00	0.00
10,100.00	2.50	240.00	10,010.89	972.14	-512.92	1,097.59	0.00	0.00	0.00
10,200.00	2.50	240.00	10,110.80	969.96	-516.70	1,097.66	0.00	0.00	0.00
10,300.00	2.50	240.00	10,210.70	967.78	-520.48	1,097.73	0.00	0.00	0.00
10,400.00	2.50	240.00	10,310.61	965.60	-524.25	1,097.79	0.00	0.00	0.00
10,500.00	2.50	240.00	10,410.51	963.42	-528.03	1,097.86	0.00	0.00	0.00
10,600.00	2.50	240.00	10,510.42	961.24	-531.81	1,097.93	0.00	0.00	0.00
10,700.00	2.50	240.00	10,610.32	959.06	-535.59	1,097.99	0.00	0.00	0.00
10,800.00	2.50	240.00	10,710.23	956.88	-539.36	1,098.06	0.00	0.00	0.00
10,844.82	2.50	240.00	10,755.00	955.90	-541.06	1,098.09	0.00	0.00	0.00
Cameo									
10,900.00	2.50	240.00	10,810.13	954.70	-543.14	1,098.13	0.00	0.00	0.00
11,000.00	2.50	240.00	10,910.04	952.52	-546.92	1,098.19	0.00	0.00	0.00
11,100.00	2.50	240.00	11,009.94	950.33	-550.70	1,098.26	0.00	0.00	0.00
11,200.00	2.50	240.00	11,109.85	948.15	-554.47	1,098.33	0.00	0.00	0.00
11,295.24	2.50	240.00	11,205.00	946.08	-558.07	1,098.39	0.00	0.00	0.00
Rollins SS									
11,300.00	2.50	240.00	11,209.75	945.97	-558.25	1,098.39	0.00	0.00	0.00
11,400.00	2.50	240.00	11,309.66	943.79	-562.03	1,098.46	0.00	0.00	0.00
11,442.74	2.50	240.00	11,352.35	942.86	-563.64	1,098.49	0.00	0.00	0.00
PBHL_OM02C-G03-695									
11,445.39	2.50	240.00	11,355.00	942.80	-563.74	1,098.49	0.00	0.00	0.00
ASSUMED DRIFT PBHL									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
3,000.00	2,973.50	9 5/8"	9.62	12.25



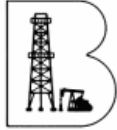
Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM02C
Company:	BERRY PETROLEUM COMPANY	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM02C		
Design:	PLAN #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,583.60	4,535.00	Wasatch		0.00	
6,348.23	6,275.00	Fort Union		0.00	
6,855.30	6,775.00	Base Ft Union		0.00	
8,092.26	8,005.00	Ohio Creek		0.00	
8,292.39	8,205.00	Mesaverde		0.00	
8,372.46	8,285.00	Approx. Top Gas		0.00	
10,844.82	10,755.00	Cameo		0.00	
11,295.24	11,205.00	Rollins SS		0.00	

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
160.00	160.00	0.00	0.00	Start Build 2.00
310.00	309.93	3.61	-1.55	Start 690.00 hold at 310.00 MD
1,000.00	998.99	36.76	-15.86	Start DLS 2.00 TFO -0.01
1,329.19	1,326.01	69.87	-30.14	Start 5704.69 hold at 1329.19 MD
7,033.88	6,951.08	941.96	-406.35	Start Drop -1.00
7,992.26	7,905.00	1,015.39	-438.02	DRIFT
8,242.26	8,154.92	1,012.66	-442.74	TREND
11,445.39	11,355.00	942.80	-563.74	ASSUMED DRIFT PBHL



Berry Petroleum Company

BERRY PETROLEUM COMPANY

**GARFIELD COUNTY, COLORADO
OM G03 696 PAD
GRANLEE OM02C**

**OM02C
PLAN #1**

Anticollision Report

08 September, 2008



Weatherford®

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference	PLAN #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	0.00 to 20,000.00ft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	9/8/2008		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	11,445.39	PLAN #1 (OM02C)	MWD	MWD - Standard	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
OM G03 696 PAD						
GRANLEE OM02B - OM02B - PLAN #1	160.00	160.00	14.92	14.48	33.527	CC
GRANLEE OM02B - OM02B - PLAN #1	200.00	199.89	15.02	14.39	24.058	ES
GRANLEE OM02B - OM02B - PLAN #1	1,000.00	999.27	22.28	17.85	5.030	SF
GRANLEE OM02D - OM02D - PLAN #1	160.00	160.00	14.27	13.82	32.057	CC
GRANLEE OM02D - OM02D - PLAN #1	200.00	200.00	14.32	13.70	22.968	ES
GRANLEE OM02D - OM02D - PLAN #1	1,100.00	1,099.93	23.66	18.73	4.801	SF

Offset Design												Offset Site Error:		0.00 ft
Survey Program: 0-MWD												Offset Well Error:		0.00 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)	Minimum Separation (ft)	Separation Factor		
							+N/-S (ft)	+E/-W (ft)						
0.00	0.00	0.00	0.00	0.00	0.00	57.13	8.10	12.53	14.92					
100.00	100.00	100.00	100.00	0.09	0.09	57.13	8.10	12.53	14.92	14.75	0.18	85.106		
160.00	160.00	160.00	160.00	0.22	0.22	57.13	8.10	12.53	14.92	14.48	0.45	33.527	CC	
200.00	200.00	199.89	199.89	0.31	0.31	80.59	8.38	12.52	15.02	14.39	0.62	24.058	ES	
310.00	309.93	309.59	309.52	0.57	0.57	82.22	12.00	12.40	16.29	15.16	1.12	14.499		
400.00	399.81	399.80	399.60	0.78	0.76	82.85	16.57	11.27	17.04	15.51	1.53	11.110		
500.00	499.67	499.79	499.47	1.01	1.00	83.17	21.57	9.72	17.59	15.58	2.01	8.751		
600.00	599.53	599.79	599.33	1.25	1.24	83.46	26.56	8.16	18.13	15.64	2.49	7.285		
700.00	699.40	699.79	699.19	1.49	1.48	83.75	31.56	6.61	18.68	15.71	2.97	6.289		
800.00	799.26	799.79	799.05	1.73	1.72	84.01	36.56	5.05	19.22	15.77	3.45	5.569		
900.00	899.12	899.64	898.69	1.98	1.97	80.76	42.74	3.13	20.06	16.12	3.94	5.093		
1,000.00	998.99	999.27	997.82	2.22	2.24	69.39	52.17	0.19	22.28	17.85	4.43	5.030	SF	
1,100.00	1,098.74	1,098.60	1,096.25	2.47	2.53	57.49	64.84	-3.75	26.40	21.48	4.92	5.368		
1,200.00	1,198.18	1,197.71	1,193.95	2.75	2.87	49.53	80.72	-8.69	31.58	26.16	5.42	5.822		
1,300.00	1,297.21	1,296.93	1,291.16	3.05	3.24	44.51	99.66	-14.58	37.26	31.30	5.96	6.256		
1,329.19	1,326.01	1,326.08	1,319.68	3.15	3.35	43.78	105.44	-16.38	38.65	32.53	6.12	6.317		
1,400.00	1,395.83	1,396.81	1,388.88	3.38	3.63	42.60	119.44	-20.74	41.80	35.27	6.53	6.402		
1,500.00	1,494.44	1,496.71	1,486.61	3.73	4.04	41.21	139.21	-26.89	46.27	39.15	7.11	6.506		
1,600.00	1,593.04	1,596.60	1,584.33	4.08	4.45	40.06	158.99	-33.04	50.76	43.06	7.69	6.596		
1,700.00	1,691.65	1,696.50	1,682.05	4.43	4.87	39.09	178.76	-39.20	55.26	46.98	8.28	6.674		
1,800.00	1,790.25	1,796.39	1,779.78	4.79	5.29	38.28	198.53	-45.35	59.78	50.91	8.87	6.742		

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

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM02B - OM02B - PLAN #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1,900.00	1,888.86	1,896.29	1,877.50	5.15	5.71	37.58	218.31	-51.50	64.31	54.86	9.45	6.802	
2,000.00	1,987.46	1,996.18	1,975.23	5.51	6.14	36.97	238.08	-57.66	68.85	58.81	10.04	6.856	
2,100.00	2,086.06	2,096.08	2,072.95	5.88	6.57	36.43	257.86	-63.81	73.40	62.77	10.63	6.904	
2,200.00	2,184.67	2,195.97	2,170.68	6.25	7.00	35.96	277.63	-69.96	77.95	66.73	11.22	6.947	
2,300.00	2,283.27	2,295.86	2,268.40	6.61	7.43	35.54	297.40	-76.12	82.50	70.69	11.81	6.986	
2,400.00	2,381.88	2,395.76	2,366.12	6.98	7.86	35.17	317.18	-82.27	87.06	74.67	12.40	7.022	
2,500.00	2,480.48	2,495.65	2,463.85	7.35	8.30	34.83	336.95	-88.42	91.63	78.64	12.99	7.054	
2,600.00	2,579.09	2,595.55	2,561.57	7.73	8.73	34.52	356.73	-94.57	96.19	82.62	13.58	7.084	
2,700.00	2,677.69	2,695.44	2,659.30	8.10	9.17	34.24	376.50	-100.73	100.76	86.59	14.17	7.112	
2,800.00	2,776.30	2,795.34	2,757.02	8.47	9.61	33.99	396.27	-106.88	105.33	90.58	14.76	7.137	
2,900.00	2,874.90	2,895.23	2,854.75	8.84	10.04	33.76	416.05	-113.03	109.91	94.56	15.35	7.161	
3,000.00	2,973.50	2,995.13	2,952.47	9.22	10.48	33.54	435.82	-119.19	114.48	98.54	15.94	7.183	
3,100.00	3,072.11	3,095.02	3,050.19	9.59	10.92	33.34	455.60	-125.34	119.06	102.53	16.53	7.203	
3,200.00	3,170.71	3,194.91	3,147.92	9.97	11.36	33.16	475.37	-131.49	123.63	106.51	17.12	7.222	
3,300.00	3,269.32	3,294.81	3,245.64	10.34	11.79	32.99	495.14	-137.65	128.21	110.50	17.71	7.240	
3,400.00	3,367.92	3,394.70	3,343.37	10.72	12.23	32.83	514.92	-143.80	132.79	114.49	18.30	7.256	
3,500.00	3,466.53	3,494.60	3,441.09	11.09	12.67	32.68	534.69	-149.95	137.37	118.48	18.89	7.272	
3,600.00	3,565.13	3,594.49	3,538.81	11.47	13.11	32.54	554.47	-156.11	141.95	122.47	19.48	7.287	
3,700.00	3,663.73	3,694.39	3,636.54	11.85	13.55	32.41	574.24	-162.26	146.54	126.46	20.07	7.301	
3,800.00	3,762.34	3,794.28	3,734.26	12.22	13.99	32.29	594.02	-168.41	151.12	130.46	20.66	7.314	
3,900.00	3,860.94	3,894.18	3,831.99	12.60	14.43	32.18	613.79	-174.57	155.70	134.45	21.25	7.326	
4,000.00	3,959.55	3,994.07	3,929.71	12.97	14.87	32.07	633.56	-180.72	160.29	138.44	21.84	7.338	
4,100.00	4,058.15	4,093.96	4,027.44	13.35	15.31	31.97	653.34	-186.87	164.87	142.44	22.43	7.349	
4,200.00	4,156.76	4,193.86	4,125.16	13.73	15.75	31.87	673.11	-193.02	169.46	146.43	23.03	7.359	
4,300.00	4,255.36	4,293.75	4,222.88	14.11	16.19	31.78	692.89	-199.18	174.04	150.42	23.62	7.370	
4,400.00	4,353.96	4,393.65	4,320.61	14.48	16.63	31.69	712.66	-205.33	178.63	154.42	24.21	7.379	
4,500.00	4,452.57	4,493.54	4,418.33	14.86	17.07	31.61	732.43	-211.48	183.21	158.41	24.80	7.388	
4,600.00	4,551.17	4,593.44	4,516.06	15.24	17.51	31.53	752.21	-217.64	187.80	162.41	25.39	7.397	
4,700.00	4,649.78	4,693.33	4,613.78	15.61	17.95	31.46	771.98	-223.79	192.39	166.41	25.98	7.405	
4,800.00	4,748.38	4,793.23	4,711.51	15.99	18.39	31.39	791.76	-229.94	196.97	170.40	26.57	7.413	
4,900.00	4,846.99	4,893.12	4,809.23	16.37	18.83	31.32	811.53	-236.10	201.56	174.40	27.16	7.421	
5,000.00	4,945.59	4,993.01	4,906.95	16.75	19.27	31.25	831.30	-242.25	206.15	178.40	27.75	7.428	
5,100.00	5,044.19	5,092.91	5,004.68	17.13	19.71	31.19	851.08	-248.40	210.74	182.39	28.34	7.435	
5,200.00	5,142.80	5,192.80	5,102.40	17.50	20.15	31.13	870.85	-254.56	215.33	186.39	28.93	7.442	
5,300.00	5,241.40	5,292.70	5,200.13	17.88	20.59	31.07	890.63	-260.71	219.91	190.39	29.52	7.448	
5,400.00	5,340.01	5,392.59	5,297.85	18.26	21.04	31.02	910.40	-266.86	224.50	194.39	30.12	7.455	
5,500.00	5,438.61	5,492.49	5,395.57	18.64	21.48	30.97	930.17	-273.02	229.09	198.38	30.71	7.461	
5,600.00	5,537.22	5,592.38	5,493.30	19.01	21.92	30.92	949.95	-279.17	233.68	202.38	31.30	7.466	
5,700.00	5,635.82	5,692.28	5,591.02	19.39	22.36	30.87	969.72	-285.32	238.27	206.38	31.89	7.472	
5,800.00	5,734.42	5,792.17	5,688.75	19.77	22.80	30.82	989.50	-291.48	242.86	210.38	32.48	7.477	
5,900.00	5,833.03	5,892.06	5,786.47	20.15	23.24	30.78	1,009.27	-297.63	247.45	214.38	33.07	7.482	
6,000.00	5,931.63	5,991.96	5,884.20	20.53	23.68	30.73	1,029.05	-303.78	252.04	218.38	33.66	7.487	
6,100.00	6,030.24	6,091.85	5,981.92	20.91	24.12	30.69	1,048.82	-309.93	256.63	222.38	34.25	7.492	
6,200.00	6,128.84	6,191.75	6,079.64	21.28	24.57	30.65	1,068.59	-316.09	261.22	226.38	34.84	7.497	
6,300.00	6,227.45	6,291.64	6,177.37	21.66	25.01	30.61	1,088.37	-322.24	265.81	230.37	35.43	7.501	
6,400.00	6,326.05	6,391.54	6,275.09	22.04	25.45	30.58	1,108.14	-328.39	270.40	234.37	36.03	7.506	
6,500.00	6,424.65	6,491.43	6,372.82	22.42	25.89	30.54	1,127.92	-334.55	274.99	238.37	36.62	7.510	
6,600.00	6,523.26	6,591.33	6,470.54	22.80	26.33	30.50	1,147.69	-340.70	279.58	242.37	37.21	7.514	
6,700.00	6,621.86	6,691.22	6,568.27	23.18	26.77	30.47	1,167.46	-346.85	284.17	246.37	37.80	7.518	
6,800.00	6,720.47	6,791.11	6,665.99	23.55	27.21	30.44	1,187.24	-353.01	288.76	250.37	38.39	7.522	
6,900.00	6,819.07	6,891.83	6,764.53	23.93	27.65	30.41	1,207.15	-359.20	293.33	254.35	38.98	7.525	
7,000.00	6,917.68	6,996.69	6,867.36	24.31	28.01	30.48	1,226.70	-365.29	296.81	257.27	39.54	7.506	

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

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM02B - OM02B - PLAN #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWID												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
7,033.88	6,951.08	7,032.23	6,902.30	24.44	28.12	30.54	1,232.93	-367.22	297.61	257.87	39.74	7.489	
7,100.00	7,016.34	7,101.62	6,970.63	24.66	28.34	30.67	1,244.47	-370.82	298.95	258.85	40.10	7.456	
7,200.00	7,115.26	7,206.59	7,074.25	24.94	28.65	30.84	1,260.44	-375.78	300.85	260.27	40.58	7.414	
7,300.00	7,214.42	7,311.59	7,178.20	25.20	28.94	30.99	1,274.59	-380.19	302.58	261.55	41.03	7.375	
7,400.00	7,313.79	7,416.61	7,282.42	25.44	29.20	31.11	1,286.92	-384.03	304.15	262.70	41.45	7.338	
7,500.00	7,413.35	7,521.66	7,386.89	25.66	29.45	31.20	1,297.43	-387.30	305.56	263.72	41.83	7.304	
7,600.00	7,513.05	7,626.73	7,491.57	25.87	29.67	31.27	1,306.11	-390.00	306.80	264.61	42.19	7.273	
7,700.00	7,612.87	7,731.82	7,596.42	26.05	29.86	31.32	1,312.96	-392.13	307.87	265.37	42.51	7.243	
7,800.00	7,712.78	7,836.93	7,701.39	26.21	30.04	31.33	1,317.97	-393.69	308.78	265.98	42.79	7.216	
7,900.00	7,812.74	7,942.06	7,806.47	26.36	30.19	31.33	1,321.15	-394.68	309.51	266.47	43.04	7.190	
7,992.26	7,905.00	8,039.06	7,903.46	26.48	30.31	7.96	1,322.44	-395.08	310.04	265.52	44.53	6.963	
8,000.00	7,912.74	8,047.20	7,911.59	26.49	30.32	127.96	1,322.48	-395.09	310.08	266.81	43.27	7.167	
8,100.00	8,012.73	8,151.03	8,015.42	26.61	30.43	128.02	1,322.24	-395.59	310.41	266.86	43.55	7.128	
8,200.00	8,112.69	8,254.48	8,118.84	26.74	30.54	128.09	1,321.05	-397.66	310.68	266.84	43.84	7.087	
8,242.26	8,154.92	8,298.20	8,162.54	26.79	30.59	128.11	1,320.26	-399.02	310.79	266.82	43.96	7.069	
8,300.00	8,212.61	8,356.69	8,220.97	26.86	30.65	128.12	1,319.01	-401.19	310.81	266.65	44.17	7.037	
8,400.00	8,312.51	8,456.69	8,320.88	26.99	30.75	128.12	1,316.83	-404.97	310.81	266.29	44.52	6.981	
8,500.00	8,412.42	8,556.69	8,420.78	27.11	30.85	128.12	1,314.65	-408.74	310.81	265.94	44.87	6.926	
8,600.00	8,512.32	8,656.69	8,520.69	27.24	30.95	128.12	1,312.47	-412.52	310.81	265.58	45.23	6.872	
8,700.00	8,612.23	8,756.69	8,620.59	27.37	31.06	128.12	1,310.29	-416.30	310.81	265.22	45.59	6.818	
8,800.00	8,712.13	8,856.69	8,720.50	27.50	31.17	128.12	1,308.10	-420.08	310.81	264.86	45.95	6.764	
8,900.00	8,812.03	8,956.69	8,820.40	27.63	31.28	128.12	1,305.92	-423.86	310.81	264.50	46.31	6.711	
9,000.00	8,911.94	9,056.69	8,920.31	27.76	31.39	128.12	1,303.74	-427.63	310.81	264.14	46.68	6.659	
9,100.00	9,011.84	9,156.69	9,020.21	27.90	31.50	128.12	1,301.56	-431.41	310.81	263.77	47.04	6.607	
9,200.00	9,111.75	9,256.69	9,120.12	28.03	31.61	128.12	1,299.38	-435.19	310.81	263.40	47.41	6.556	
9,300.00	9,211.65	9,356.69	9,220.02	28.17	31.72	128.12	1,297.20	-438.97	310.81	263.03	47.78	6.505	
9,400.00	9,311.56	9,456.69	9,319.93	28.31	31.84	128.12	1,295.02	-442.74	310.81	262.66	48.15	6.455	
9,500.00	9,411.46	9,556.69	9,419.83	28.45	31.96	128.12	1,292.84	-446.52	310.81	262.29	48.53	6.405	
9,600.00	9,511.37	9,656.69	9,519.74	28.59	32.07	128.12	1,290.66	-450.30	310.81	261.91	48.90	6.356	
9,700.00	9,611.27	9,756.69	9,619.64	28.73	32.19	128.12	1,288.48	-454.08	310.81	261.54	49.28	6.307	
9,800.00	9,711.18	9,856.69	9,719.55	28.87	32.31	128.12	1,286.29	-457.85	310.81	261.16	49.66	6.259	
9,868.17	9,779.28	9,924.86	9,787.65	28.97	32.40	128.12	1,284.81	-460.43	310.81	260.90	49.91	6.227	
9,900.00	9,811.08	9,956.69	9,819.45	29.02	32.43	128.12	1,284.11	-461.63	310.81	260.78	50.03	6.212	
10,000.00	9,910.99	10,056.69	9,919.36	29.16	32.56	128.12	1,281.93	-465.41	310.81	260.40	50.42	6.165	
10,100.00	10,010.89	10,156.69	10,019.26	29.31	32.68	128.12	1,279.75	-469.19	310.81	260.01	50.80	6.119	
10,200.00	10,110.80	10,256.69	10,119.17	29.46	32.81	128.12	1,277.57	-472.96	310.81	259.63	51.18	6.073	
10,300.00	10,210.70	10,356.69	10,219.07	29.61	32.93	128.12	1,275.39	-476.74	310.81	259.25	51.57	6.027	
10,400.00	10,310.61	10,456.69	10,318.98	29.76	33.06	128.12	1,273.21	-480.52	310.81	258.86	51.95	5.982	
10,500.00	10,410.51	10,556.69	10,418.88	29.91	33.19	128.12	1,271.03	-484.30	310.81	258.47	52.34	5.938	
10,600.00	10,510.42	10,656.69	10,518.79	30.06	33.32	128.12	1,268.85	-488.07	310.81	258.08	52.73	5.894	
10,700.00	10,610.32	10,756.69	10,618.69	30.21	33.45	128.12	1,266.67	-491.85	310.81	257.69	53.12	5.851	
10,800.00	10,710.23	10,856.69	10,718.60	30.37	33.58	128.12	1,264.48	-495.63	310.81	257.30	53.52	5.808	
10,900.00	10,810.13	10,956.69	10,818.50	30.52	33.72	128.12	1,262.30	-499.41	310.81	256.90	53.91	5.766	
11,000.00	10,910.04	11,056.69	10,918.41	30.68	33.85	128.12	1,260.12	-503.18	310.81	256.51	54.30	5.724	
11,100.00	11,009.94	11,156.69	11,018.31	30.84	33.98	128.12	1,257.94	-506.96	310.81	256.11	54.70	5.682	
11,200.00	11,109.85	11,256.69	11,118.21	30.99	34.12	128.12	1,255.76	-510.74	310.81	255.72	55.10	5.641	
11,300.00	11,209.75	11,356.69	11,218.12	31.15	34.26	128.12	1,253.58	-514.52	310.81	255.32	55.49	5.601	
11,400.00	11,309.66	11,456.69	11,318.02	31.31	34.40	128.12	1,251.40	-518.29	310.81	254.92	55.89	5.561	
11,445.39	11,355.00	11,502.08	11,363.37	31.39	34.46	128.12	1,250.41	-520.01	310.81	254.74	56.07	5.543	

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-124.57	-8.09	-11.75	14.27				
100.00	100.00	100.00	100.00	0.09	0.09	-124.57	-8.09	-11.75	14.27	14.09	0.18	81.376	
160.00	160.00	160.00	160.00	0.22	0.22	-124.57	-8.09	-11.75	14.27	13.82	0.45	32.057 CC	
200.00	200.00	200.00	200.00	0.31	0.31	-101.21	-7.87	-11.91	14.32	13.70	0.62	22.968 ES	
310.00	309.93	309.99	309.92	0.57	0.57	-100.94	-4.87	-13.99	15.05	13.93	1.12	13.416	
400.00	399.81	399.99	399.80	0.78	0.77	-100.63	-1.01	-16.68	15.99	14.45	1.55	10.349	
500.00	499.67	499.98	499.65	1.01	1.01	-100.33	3.29	-19.67	17.04	15.02	2.02	8.425	
600.00	599.53	599.98	599.51	1.25	1.25	-100.06	7.58	-22.66	18.08	15.58	2.50	7.227	
700.00	699.40	699.97	699.37	1.49	1.49	-99.83	11.88	-25.65	19.13	16.15	2.98	6.411	
800.00	799.26	799.97	799.23	1.73	1.73	-99.61	16.17	-28.64	20.18	16.71	3.47	5.820	
900.00	899.12	899.96	899.08	1.98	1.98	-99.42	20.47	-31.63	21.23	17.27	3.95	5.373	
1,000.00	998.99	999.95	998.94	2.22	2.22	-99.25	24.76	-34.62	22.27	17.84	4.43	5.023	
1,100.00	1,098.74	1,099.93	1,098.78	2.47	2.46	-103.24	29.06	-37.61	23.66	18.73	4.93	4.801 SF	
1,200.00	1,198.18	1,199.77	1,198.49	2.75	2.70	-114.01	33.35	-40.59	26.37	20.94	5.43	4.858	
1,300.00	1,297.21	1,299.37	1,297.95	3.05	2.95	-127.76	37.63	-43.57	31.85	25.94	5.90	5.396	
1,329.19	1,326.01	1,328.38	1,326.92	3.15	3.02	-131.69	38.87	-44.44	34.15	28.12	6.03	5.662	
1,400.00	1,395.83	1,398.71	1,397.15	3.38	3.19	-139.64	41.89	-46.54	40.56	34.21	6.35	6.390	
1,500.00	1,494.44	1,498.04	1,496.34	3.73	3.43	-147.25	46.16	-49.51	50.52	43.72	6.79	7.436	
1,600.00	1,593.04	1,598.96	1,597.01	4.08	3.68	-151.33	51.89	-53.50	59.76	52.50	7.27	8.226	
1,700.00	1,691.65	1,700.46	1,697.95	4.43	3.97	-152.45	60.59	-59.56	66.45	58.67	7.78	8.542	
1,800.00	1,790.25	1,800.92	1,797.55	4.79	4.27	-152.01	71.41	-67.09	71.06	62.73	8.33	8.532	
1,900.00	1,888.86	1,900.82	1,896.56	5.15	4.57	-151.53	82.31	-74.68	75.54	66.65	8.88	8.503	
2,000.00	1,987.46	2,000.72	1,995.57	5.51	4.88	-151.11	93.20	-82.26	80.02	70.58	9.44	8.473	
2,100.00	2,086.06	2,100.62	2,094.59	5.88	5.19	-150.74	104.10	-89.85	84.51	74.50	10.01	8.443	
2,200.00	2,184.67	2,200.52	2,193.60	6.25	5.50	-150.40	114.99	-97.43	89.00	78.42	10.58	8.414	
2,300.00	2,283.27	2,300.41	2,292.61	6.61	5.82	-150.10	125.89	-105.02	93.49	82.35	11.15	8.385	
2,400.00	2,381.88	2,400.31	2,391.62	6.98	6.14	-149.82	136.79	-112.60	97.99	86.27	11.72	8.358	
2,500.00	2,480.48	2,500.21	2,490.63	7.35	6.46	-149.57	147.68	-120.19	102.49	90.19	12.30	8.332	
2,600.00	2,579.09	2,600.11	2,589.64	7.73	6.78	-149.34	158.58	-127.77	106.99	94.11	12.88	8.307	
2,700.00	2,677.69	2,700.00	2,688.66	8.10	7.10	-149.12	169.47	-135.36	111.49	98.03	13.46	8.283	
2,800.00	2,776.30	2,799.90	2,787.67	8.47	7.42	-148.93	180.37	-142.94	116.00	101.95	14.04	8.260	
2,900.00	2,874.90	2,899.80	2,886.68	8.84	7.74	-148.75	191.27	-150.53	120.50	105.87	14.63	8.239	
3,000.00	2,973.50	2,999.70	2,985.69	9.22	8.06	-148.58	202.16	-158.11	125.01	109.79	15.21	8.218	
3,100.00	3,072.11	3,099.60	3,084.70	9.59	8.39	-148.42	213.06	-165.70	129.51	113.71	15.80	8.198	
3,200.00	3,170.71	3,199.49	3,183.71	9.97	8.71	-148.27	223.95	-173.28	134.02	117.63	16.38	8.180	
3,300.00	3,269.32	3,299.39	3,282.73	10.34	9.04	-148.14	234.85	-180.87	138.53	121.56	16.97	8.162	
3,400.00	3,367.92	3,399.29	3,381.74	10.72	9.36	-148.01	245.75	-188.45	143.04	125.48	17.56	8.145	
3,500.00	3,466.53	3,499.19	3,480.75	11.09	9.69	-147.89	256.64	-196.04	147.55	129.40	18.15	8.129	
3,600.00	3,565.13	3,599.08	3,579.76	11.47	10.01	-147.78	267.54	-203.62	152.06	133.32	18.74	8.113	
3,700.00	3,663.73	3,698.98	3,678.77	11.85	10.34	-147.67	278.43	-211.21	156.57	137.23	19.33	8.098	
3,800.00	3,762.34	3,798.88	3,777.78	12.22	10.67	-147.57	289.33	-218.79	161.08	141.15	19.93	8.084	
3,900.00	3,860.94	3,898.78	3,876.80	12.60	10.99	-147.47	300.22	-226.38	165.59	145.07	20.52	8.071	
4,000.00	3,959.55	3,998.68	3,975.81	12.97	11.32	-147.38	311.12	-233.96	170.10	148.99	21.11	8.058	
4,100.00	4,058.15	4,098.57	4,074.82	13.35	11.65	-147.30	322.02	-241.55	174.62	152.91	21.70	8.046	
4,200.00	4,156.76	4,198.47	4,173.83	13.73	11.98	-147.22	332.91	-249.13	179.13	156.83	22.30	8.034	
4,300.00	4,255.36	4,298.37	4,272.84	14.11	12.31	-147.14	343.81	-256.72	183.64	160.75	22.89	8.022	
4,400.00	4,353.96	4,398.27	4,371.85	14.48	12.63	-147.07	354.70	-264.30	188.16	164.67	23.49	8.011	
4,500.00	4,452.57	4,498.16	4,470.87	14.86	12.96	-147.00	365.60	-271.89	192.67	168.59	24.08	8.001	
4,600.00	4,551.17	4,598.06	4,569.88	15.24	13.29	-146.93	376.50	-279.47	197.19	172.51	24.68	7.991	
4,700.00	4,649.78	4,697.96	4,668.89	15.61	13.62	-146.87	387.39	-287.06	201.70	176.43	25.27	7.981	
4,800.00	4,748.38	4,797.86	4,767.90	15.99	13.95	-146.81	398.29	-294.64	206.21	180.35	25.87	7.972	
4,900.00	4,846.99	4,897.76	4,866.91	16.37	14.28	-146.75	409.18	-302.23	210.73	184.27	26.46	7.963	

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

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM02D - OM02D - PLAN #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,945.59	4,997.65	4,965.93	16.75	14.60	-146.69	420.08	-309.81	215.25	188.19	27.06	7.955	
5,100.00	5,044.19	5,097.55	5,064.94	17.13	14.93	-146.64	430.97	-317.40	219.76	192.10	27.66	7.946	
5,200.00	5,142.80	5,197.45	5,163.95	17.50	15.26	-146.59	441.87	-324.98	224.28	196.02	28.25	7.938	
5,300.00	5,241.40	5,297.35	5,262.96	17.88	15.59	-146.54	452.77	-332.57	228.79	199.94	28.85	7.931	
5,400.00	5,340.01	5,397.24	5,361.97	18.26	15.92	-146.49	463.66	-340.15	233.31	203.86	29.45	7.923	
5,500.00	5,438.61	5,497.14	5,460.98	18.64	16.25	-146.44	474.56	-347.74	237.82	207.78	30.04	7.916	
5,600.00	5,537.22	5,597.04	5,560.00	19.01	16.58	-146.40	485.45	-355.32	242.34	211.70	30.64	7.909	
5,700.00	5,635.82	5,696.94	5,659.01	19.39	16.91	-146.36	496.35	-362.91	246.86	215.62	31.24	7.902	
5,800.00	5,734.42	5,796.84	5,758.02	19.77	17.24	-146.32	507.25	-370.49	251.37	219.54	31.84	7.896	
5,900.00	5,833.03	5,896.73	5,857.03	20.15	17.57	-146.28	518.14	-378.08	255.89	223.46	32.43	7.889	
6,000.00	5,931.63	5,996.63	5,956.04	20.53	17.90	-146.24	529.04	-385.66	260.41	227.37	33.03	7.883	
6,100.00	6,030.24	6,096.53	6,055.05	20.91	18.23	-146.20	539.93	-393.25	264.92	231.29	33.63	7.877	
6,200.00	6,128.84	6,196.43	6,154.07	21.28	18.56	-146.17	550.83	-400.83	269.44	235.21	34.23	7.872	
6,300.00	6,227.45	6,296.32	6,253.08	21.66	18.89	-146.13	561.73	-408.42	273.96	239.13	34.83	7.866	
6,400.00	6,326.05	6,396.22	6,352.09	22.04	19.22	-146.10	572.62	-416.00	278.48	243.05	35.43	7.861	
6,500.00	6,424.65	6,496.12	6,451.10	22.42	19.55	-146.07	583.52	-423.59	282.99	246.97	36.02	7.856	
6,600.00	6,523.26	6,596.02	6,550.11	22.80	19.88	-146.04	594.41	-431.17	287.51	250.89	36.62	7.851	
6,700.00	6,621.86	6,695.92	6,649.12	23.18	20.21	-146.01	605.31	-438.76	292.03	254.81	37.22	7.846	
6,800.00	6,720.47	6,795.81	6,748.14	23.55	20.54	-145.98	616.20	-446.34	296.54	258.72	37.82	7.841	
6,900.00	6,819.07	6,895.71	6,847.15	23.93	20.87	-145.95	627.10	-453.93	301.06	262.64	38.42	7.836	
7,000.00	6,917.68	6,995.61	6,946.16	24.31	21.20	-145.92	638.00	-461.51	305.58	266.56	39.02	7.832	
7,033.88	6,951.08	7,029.45	6,979.70	24.44	21.31	-145.91	641.69	-464.08	307.11	267.89	39.22	7.830	
7,100.00	7,016.34	7,095.52	7,045.18	24.66	21.53	-145.87	648.89	-469.10	309.78	270.17	39.61	7.821	
7,200.00	7,115.26	7,194.70	7,143.49	24.94	21.85	-145.86	659.68	-476.61	312.65	272.49	40.17	7.784	
7,300.00	7,214.42	7,291.00	7,239.08	25.20	22.09	-145.43	669.25	-483.27	314.89	274.25	40.64	7.748	
7,400.00	7,313.79	7,387.29	7,334.84	25.44	22.31	-145.23	677.50	-489.01	316.87	275.79	41.08	7.714	
7,500.00	7,413.35	7,483.58	7,430.76	25.66	22.52	-145.08	684.43	-493.83	318.57	277.09	41.48	7.680	
7,600.00	7,513.05	7,579.88	7,526.81	25.87	22.71	-144.96	690.03	-497.74	320.01	278.16	41.85	7.646	
7,700.00	7,612.87	7,676.16	7,622.96	26.05	22.89	-144.88	694.31	-500.71	321.18	278.99	42.19	7.612	
7,800.00	7,712.78	7,772.45	7,719.17	26.21	23.05	-144.84	697.26	-502.77	322.07	279.58	42.50	7.579	
7,900.00	7,812.74	7,868.73	7,815.43	26.36	23.20	-144.83	698.88	-503.90	322.69	279.93	42.76	7.546	
7,992.26	7,905.00	7,957.57	7,904.28	26.48	23.32	-168.18	699.21	-504.17	323.02	283.96	39.06	8.269	
8,000.00	7,912.74	7,965.03	7,911.74	26.49	23.33	-48.18	699.20	-504.19	323.04	280.03	43.01	7.511	
8,100.00	8,012.73	8,061.41	8,008.10	26.61	23.47	-48.14	698.57	-505.28	323.24	279.94	43.29	7.466	
8,200.00	8,112.69	8,157.78	8,104.43	26.74	23.62	-48.11	697.13	-507.78	323.40	279.80	43.59	7.419	
8,242.26	8,154.92	8,198.89	8,145.50	26.79	23.68	-48.10	696.27	-509.26	323.44	279.72	43.72	7.398	
8,300.00	8,212.61	8,256.63	8,203.18	26.86	23.77	-48.10	695.01	-511.44	323.44	279.51	43.93	7.362	
8,400.00	8,312.51	8,356.63	8,303.09	26.99	23.93	-48.10	692.83	-515.22	323.44	279.15	44.30	7.302	
8,500.00	8,412.42	8,456.63	8,402.99	27.11	24.08	-48.10	690.65	-519.00	323.44	278.78	44.67	7.241	
8,600.00	8,512.32	8,556.63	8,502.90	27.24	24.24	-48.10	688.47	-522.77	323.44	278.41	45.04	7.182	
8,700.00	8,612.23	8,656.63	8,602.80	27.37	24.40	-48.10	686.29	-526.55	323.44	278.04	45.41	7.123	
8,800.00	8,712.13	8,756.63	8,702.71	27.50	24.56	-48.10	684.11	-530.33	323.44	277.66	45.78	7.065	
8,900.00	8,812.03	8,856.63	8,802.61	27.63	24.72	-48.10	681.93	-534.11	323.44	277.29	46.16	7.008	
9,000.00	8,911.94	8,956.63	8,902.52	27.76	24.88	-48.10	679.75	-537.88	323.44	276.91	46.53	6.951	
9,100.00	9,011.84	9,056.63	9,002.42	27.90	25.04	-48.10	677.56	-541.66	323.44	276.53	46.91	6.895	
9,200.00	9,111.75	9,156.63	9,102.33	28.03	25.21	-48.10	675.38	-545.44	323.44	276.15	47.29	6.839	
9,300.00	9,211.65	9,256.63	9,202.23	28.17	25.37	-48.10	673.20	-549.22	323.44	275.77	47.67	6.785	
9,400.00	9,311.56	9,356.63	9,302.14	28.31	25.54	-48.10	671.02	-553.00	323.44	275.39	48.06	6.731	
9,500.00	9,411.46	9,456.63	9,402.04	28.45	25.71	-48.10	668.84	-556.77	323.44	275.00	48.44	6.677	
9,600.00	9,511.37	9,556.63	9,501.95	28.59	25.88	-48.10	666.66	-560.55	323.44	274.62	48.83	6.624	
9,700.00	9,611.27	9,656.63	9,601.85	28.73	26.04	-48.10	664.48	-564.33	323.44	274.23	49.21	6.572	
9,800.00	9,711.18	9,756.63	9,701.76	28.87	26.22	-48.10	662.30	-568.11	323.44	273.84	49.60	6.521	

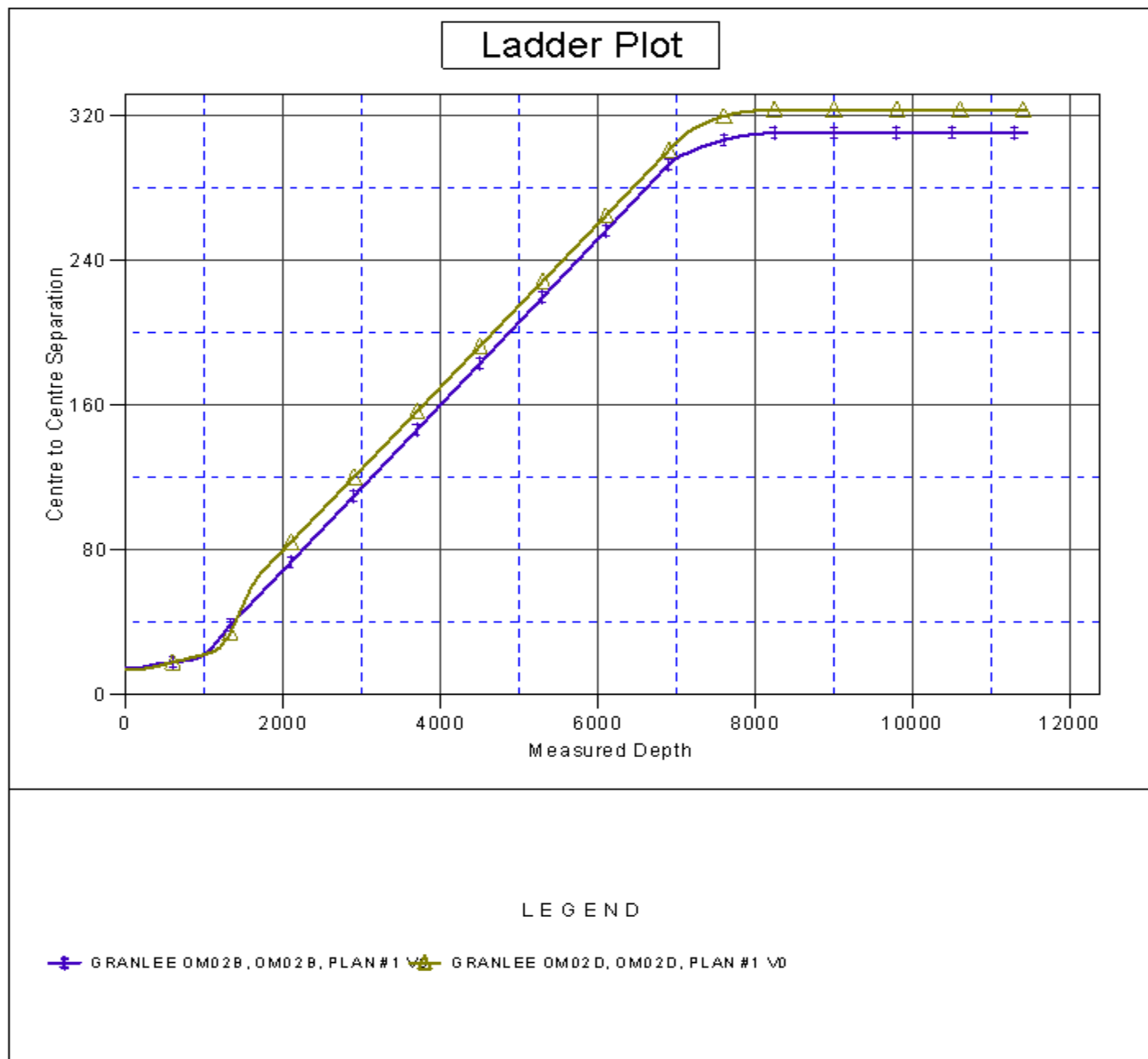
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM02D - OM02D - PLAN #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)		Minimum Separation (ft)	Separation Factor	
9,900.00	9,811.08	9,856.63	9,801.66	29.02	26.39	-48.10	660.12	-571.88	323.44	273.45	49.99	6.470		
10,000.00	9,910.99	9,956.63	9,901.57	29.16	26.56	-48.10	657.94	-575.66	323.44	273.06	50.38	6.420		
10,100.00	10,010.89	10,056.63	10,001.47	29.31	26.73	-48.10	655.75	-579.44	323.44	272.67	50.78	6.370		
10,200.00	10,110.80	10,156.63	10,101.38	29.46	26.91	-48.10	653.57	-583.22	323.44	272.27	51.17	6.321		
10,300.00	10,210.70	10,256.63	10,201.28	29.61	27.08	-48.10	651.39	-586.99	323.44	271.88	51.57	6.272		
10,400.00	10,310.61	10,356.63	10,301.19	29.76	27.26	-48.10	649.21	-590.77	323.44	271.48	51.96	6.225		
10,500.00	10,410.51	10,456.63	10,401.09	29.91	27.44	-48.10	647.03	-594.55	323.44	271.08	52.36	6.177		
10,600.00	10,510.42	10,556.63	10,500.99	30.06	27.61	-48.10	644.85	-598.33	323.44	270.68	52.76	6.131		
10,700.00	10,610.32	10,656.63	10,600.90	30.21	27.79	-48.10	642.67	-602.10	323.44	270.28	53.16	6.084		
10,800.00	10,710.23	10,756.63	10,700.80	30.37	27.97	-48.10	640.49	-605.88	323.44	269.88	53.56	6.039		
10,900.00	10,810.13	10,856.63	10,800.71	30.52	28.15	-48.10	638.31	-609.66	323.44	269.48	53.96	5.994		
11,000.00	10,910.04	10,956.63	10,900.61	30.68	28.34	-48.10	636.13	-613.44	323.44	269.08	54.36	5.949		
11,100.00	11,009.94	11,056.63	11,000.52	30.84	28.52	-48.10	633.95	-617.21	323.44	268.67	54.77	5.906		
11,200.00	11,109.85	11,156.63	11,100.42	30.99	28.70	-48.10	631.76	-620.99	323.44	268.27	55.17	5.862		
11,300.00	11,209.75	11,256.63	11,200.33	31.15	28.88	-48.10	629.58	-624.77	323.44	267.86	55.58	5.819		
11,400.00	11,309.66	11,356.63	11,300.23	31.31	29.07	-48.10	627.40	-628.55	323.44	267.46	55.99	5.777		
11,425.65	11,335.29	11,382.28	11,325.86	31.35	29.12	-48.10	626.84	-629.52	323.44	267.35	56.09	5.766		
11,445.39	11,355.00	11,391.43	11,335.00	31.39	29.13	-48.10	626.64	-629.86	323.62	267.47	56.15	5.763		

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 8185.50ft (Original Well Elev) Coordinates are relative to: GRANLEE OM02C
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Central Zone
Central Meridian is 105° 30' 0.0000 W ° Grid Convergence at Surface is: -1.63°





Berry Petroleum Company

Weatherford International Ltd.

Anticollision Report

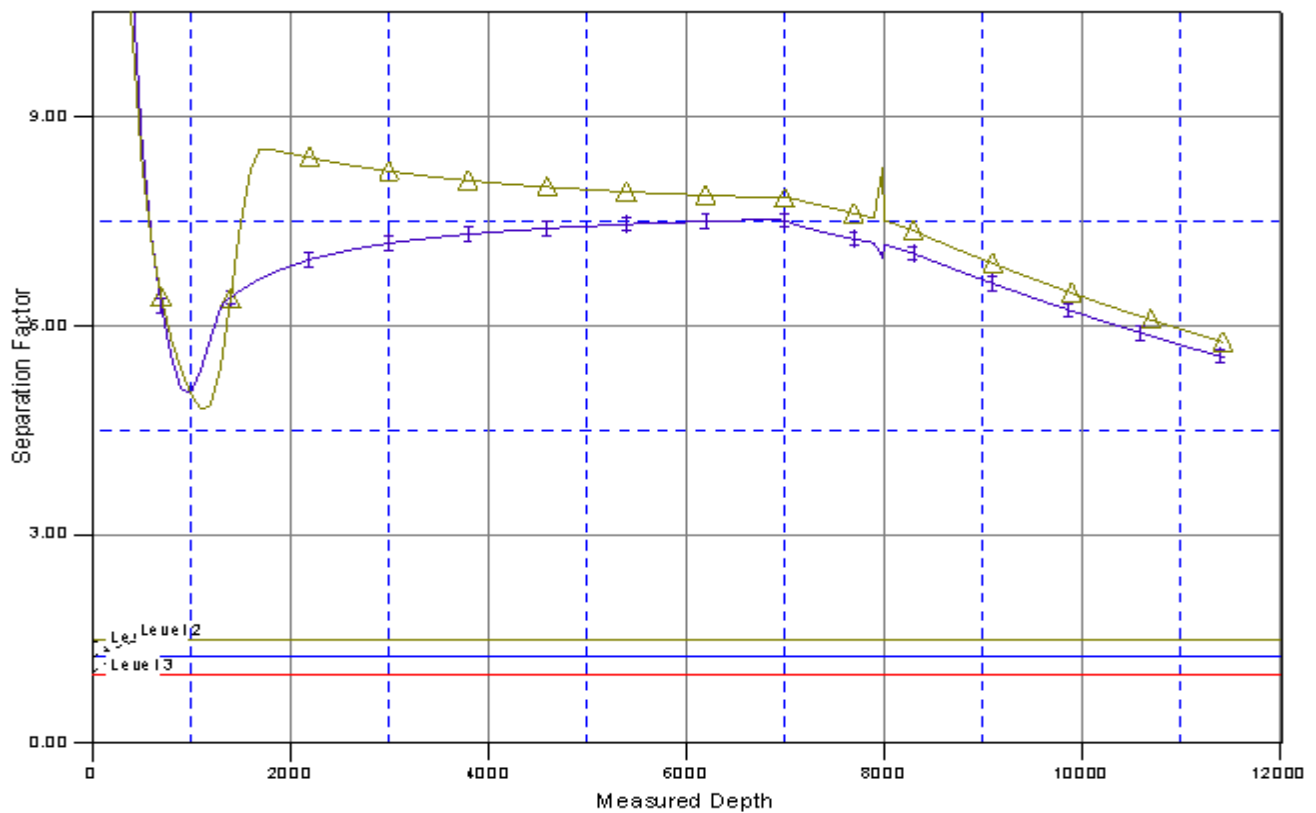


Weatherford

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM02C
Project:	GARFIELD COUNTY, COLORADO	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Reference Site:	OM G03 696 PAD	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	GRANLEE OM02C	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM02C	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 8185.50ft (Original Well Elev) Coordinates are relative to: GRANLEE OM02C
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Central Zone
Central Meridian is 105° 30' 0.0000 W ° Grid Convergence at Surface is: -1.63°

Separation Factor Plot



LEGEND

GRANLEE OM02B, OM02B, PLAN #1
 GRANLEE OM02D, OM02D, PLAN #1



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