



Berry Petroleum Company

BERRY PETROLEUM COMPANY

GARFIELD COUNTY, COLORADO

OM G03 696 PAD

GRANLEE OM07A

OM07A

Plan: PLAN #1

Standard Planning Report

08 September, 2008



Weatherford®



Berry Petroleum Company

GRANLEE OM07A
GARFIELD COUNTY, COLORADO
SECTION 3-T6S-R96W
1964 FNL, 1589 FEL
39° 33' 27.570 N
108° 5' 30.1000 W



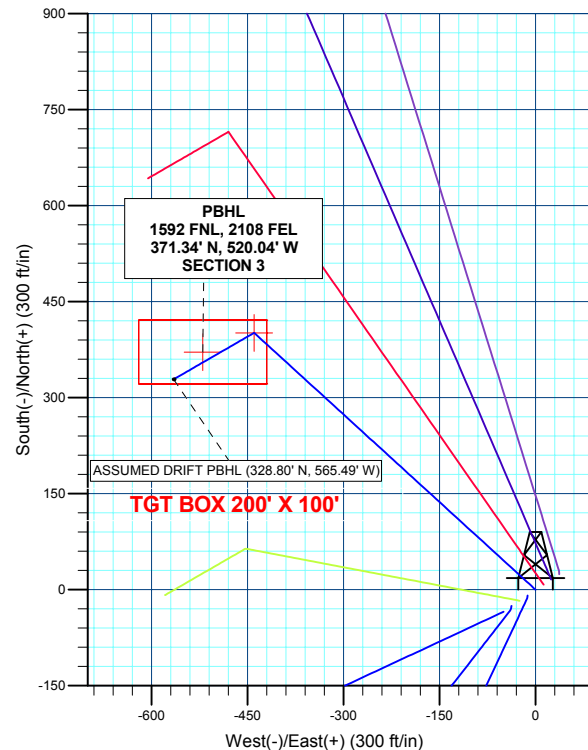
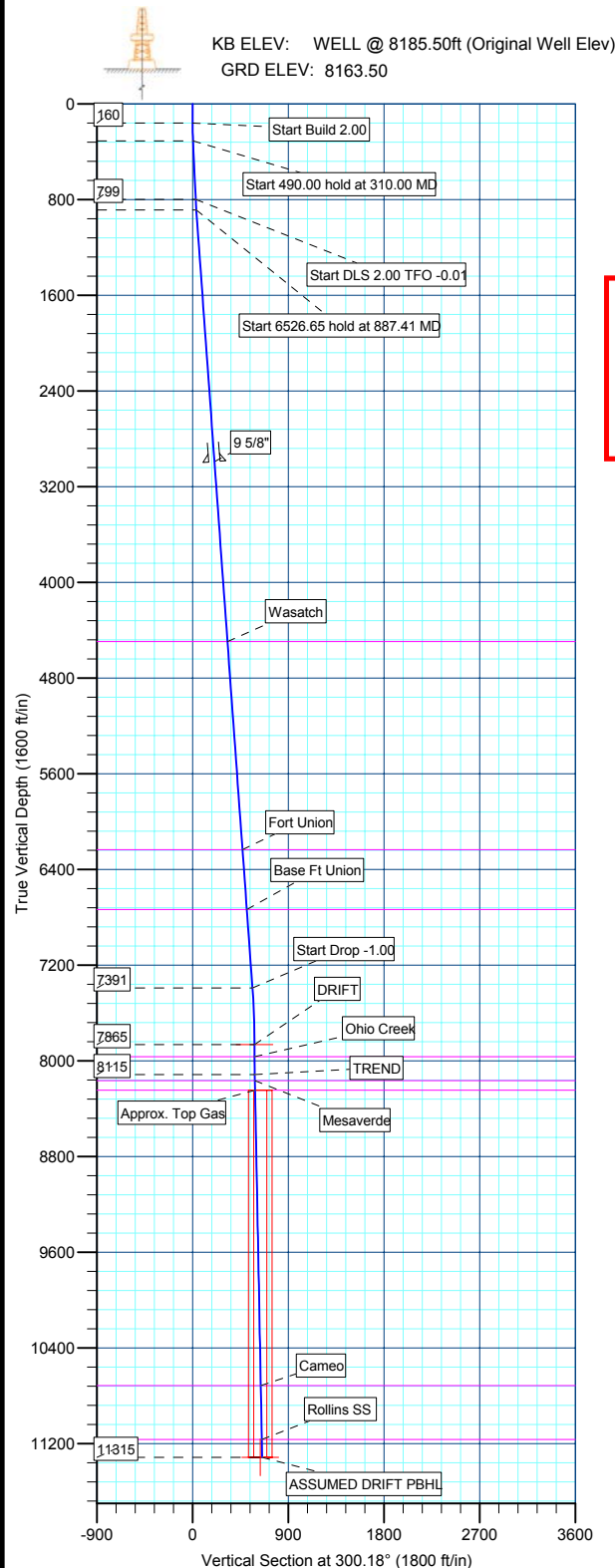
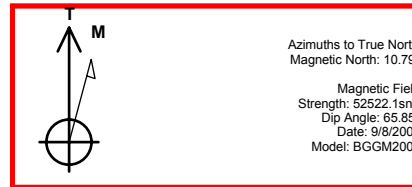
Weatherford®

WELL DETAILS: GRANLEE OM07A						
+N/-S	+E/-W	Northing	Easting	Ground Level:	8163.50	
0.00	0.00	1638428.10	2269362.43	Latitude	39° 33' 27.570 N	Longitude
					108° 5' 30.1000 W	Slot

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL_OM07A-G03-695	11315.00	371.34	-520.04	1638814.13	2268853.20	39° 33' 31.240 N	108° 5' 36.7400 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	312.39	309.93	2.65	-2.90	2.00	312.39	3.84		
4	800.00	3.00	312.39	799.26	19.94	-21.84	0.00	0.00	28.90		
5	887.41	4.75	312.39	886.47	23.92	-26.20	2.00	-0.01	34.67		
6	7414.06	4.75	312.39	7390.72	388.13	-425.24	0.00	0.00	562.71		
7	7888.89	0.00	0.00	7865.00	401.39	-439.76	1.00	180.00	581.93		
8	8138.89	2.50	240.00	8114.92	398.66	-444.49	1.00	240.00	584.64		
9	11342.01	2.50	240.00	11315.00	328.80	-565.49	0.00	0.00	654.13	PBHL_OM07A-G03-695	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4495.00	4508.37	Wasatch
6235.00	6254.36	Fort Union
6735.00	6756.08	Base Ft Union
7965.00	7988.89	Ohio Creek
8165.00	8189.01	Mesaverde
8245.00	8269.09	Approx. Top Gas
10715.00	10741.44	Cameo
11165.00	11191.87	Rollins SS



Plan: PLAN #1 (GRANLEE OM07A/OM07A)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM07A		
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:	1,638,395.15 ft	Latitude:	39° 33' 27.230 N
From:	Lat/Long	Easting:	2,269,311.35 ft	Longitude:	108° 5' 30.7400 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	-1.63 °

Well	GRANLEE OM07A					
Well Position	+N/-S	34.39 ft	Northing:	1,638,428.10 ft	Latitude:	39° 33' 27.570 N
	+E/-W	50.13 ft	Easting:	2,269,362.43 ft	Longitude:	108° 5' 30.1000 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	8,163.50 ft

Wellbore	OM07A				
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	300.18	

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	312.39	309.93	2.65	-2.90	2.00	2.00	0.00	312.39	
800.00	3.00	312.39	799.26	19.94	-21.84	0.00	0.00	0.00	0.00	
887.41	4.75	312.39	886.47	23.92	-26.20	2.00	2.00	0.00	-0.01	
7,414.06	4.75	312.39	7,390.72	388.13	-425.24	0.00	0.00	0.00	0.00	
7,888.89	0.00	0.00	7,865.00	401.39	-439.76	1.00	-1.00	0.00	180.00	
8,138.89	2.50	240.00	8,114.92	398.66	-444.49	1.00	1.00	0.00	240.00	
11,342.01	2.50	240.00	11,315.00	328.80	-565.49	0.00	0.00	0.00	0.00	PBHL_OM07A-G03



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM07A		
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	312.39	200.00	0.19	-0.21	0.27	2.00	2.00	0.00
300.00	2.80	312.39	299.94	2.31	-2.53	3.34	2.00	2.00	0.00
310.00	3.00	312.39	309.93	2.65	-2.90	3.84	2.00	2.00	0.00
Start 490.00 hold at 310.00 MD									
400.00	3.00	312.39	399.81	5.82	-6.38	8.44	0.00	0.00	0.00
500.00	3.00	312.39	499.67	9.35	-10.24	13.56	0.00	0.00	0.00
600.00	3.00	312.39	599.53	12.88	-14.11	18.67	0.00	0.00	0.00
700.00	3.00	312.39	699.40	16.41	-17.97	23.79	0.00	0.00	0.00
800.00	3.00	312.39	799.26	19.94	-21.84	28.90	0.00	0.00	0.00
Start DLS 2.00 TFO -0.01									
887.41	4.75	312.39	886.47	23.92	-26.20	34.67	2.00	2.00	0.00
Start 6526.65 hold at 887.41 MD									
900.00	4.75	312.39	899.01	24.62	-26.97	35.69	0.00	0.00	0.00
1,000.00	4.75	312.39	998.67	30.20	-33.09	43.78	0.00	0.00	0.00
1,100.00	4.75	312.39	1,098.33	35.78	-39.20	51.87	0.00	0.00	0.00
1,200.00	4.75	312.39	1,197.98	41.36	-45.31	59.96	0.00	0.00	0.00
1,300.00	4.75	312.39	1,297.64	46.94	-51.43	68.05	0.00	0.00	0.00
1,400.00	4.75	312.39	1,397.30	52.52	-57.54	76.14	0.00	0.00	0.00
1,500.00	4.75	312.39	1,496.95	58.10	-63.66	84.23	0.00	0.00	0.00
1,600.00	4.75	312.39	1,596.61	63.68	-69.77	92.32	0.00	0.00	0.00
1,700.00	4.75	312.39	1,696.27	69.26	-75.88	100.42	0.00	0.00	0.00
1,800.00	4.75	312.39	1,795.92	74.84	-82.00	108.51	0.00	0.00	0.00
1,900.00	4.75	312.39	1,895.58	80.42	-88.11	116.60	0.00	0.00	0.00
2,000.00	4.75	312.39	1,995.24	86.00	-94.23	124.69	0.00	0.00	0.00
2,100.00	4.75	312.39	2,094.90	91.58	-100.34	132.78	0.00	0.00	0.00
2,200.00	4.75	312.39	2,194.55	97.16	-106.45	140.87	0.00	0.00	0.00
2,300.00	4.75	312.39	2,294.21	102.75	-112.57	148.96	0.00	0.00	0.00
2,400.00	4.75	312.39	2,393.87	108.33	-118.68	157.05	0.00	0.00	0.00
2,500.00	4.75	312.39	2,493.52	113.91	-124.80	165.14	0.00	0.00	0.00
2,600.00	4.75	312.39	2,593.18	119.49	-130.91	173.23	0.00	0.00	0.00
2,700.00	4.75	312.39	2,692.84	125.07	-137.02	181.32	0.00	0.00	0.00
2,800.00	4.75	312.39	2,792.49	130.65	-143.14	189.41	0.00	0.00	0.00
2,900.00	4.75	312.39	2,892.15	136.23	-149.25	197.50	0.00	0.00	0.00
3,000.00	4.75	312.39	2,991.81	141.81	-155.36	205.59	0.00	0.00	0.00
9 5/8"									
3,100.00	4.75	312.39	3,091.46	147.39	-161.48	213.68	0.00	0.00	0.00
3,200.00	4.75	312.39	3,191.12	152.97	-167.59	221.77	0.00	0.00	0.00
3,300.00	4.75	312.39	3,290.78	158.55	-173.71	229.86	0.00	0.00	0.00
3,400.00	4.75	312.39	3,390.43	164.13	-179.82	237.95	0.00	0.00	0.00
3,500.00	4.75	312.39	3,490.09	169.71	-185.93	246.04	0.00	0.00	0.00
3,600.00	4.75	312.39	3,589.75	175.29	-192.05	254.13	0.00	0.00	0.00
3,700.00	4.75	312.39	3,689.40	180.87	-198.16	262.22	0.00	0.00	0.00
3,800.00	4.75	312.39	3,789.06	186.45	-204.28	270.31	0.00	0.00	0.00
3,900.00	4.75	312.39	3,888.72	192.03	-210.39	278.41	0.00	0.00	0.00
4,000.00	4.75	312.39	3,988.37	197.61	-216.50	286.50	0.00	0.00	0.00
4,100.00	4.75	312.39	4,088.03	203.19	-222.62	294.59	0.00	0.00	0.00
4,200.00	4.75	312.39	4,187.69	208.77	-228.73	302.68	0.00	0.00	0.00
4,300.00	4.75	312.39	4,287.34	214.35	-234.85	310.77	0.00	0.00	0.00
4,400.00	4.75	312.39	4,387.00	219.93	-240.96	318.86	0.00	0.00	0.00
4,500.00	4.75	312.39	4,486.66	225.51	-247.07	326.95	0.00	0.00	0.00
4,508.37	4.75	312.39	4,495.00	225.98	-247.59	327.63	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 OM07A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM07A		
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	4.75	312.39	4,586.32	231.09	-253.19	335.04	0.00	0.00	0.00
4,700.00	4.75	312.39	4,685.97	236.67	-259.30	343.13	0.00	0.00	0.00
4,800.00	4.75	312.39	4,785.63	242.25	-265.42	351.22	0.00	0.00	0.00
4,900.00	4.75	312.39	4,885.29	247.84	-271.53	359.31	0.00	0.00	0.00
5,000.00	4.75	312.39	4,984.94	253.42	-277.64	367.40	0.00	0.00	0.00
5,100.00	4.75	312.39	5,084.60	259.00	-283.76	375.49	0.00	0.00	0.00
5,200.00	4.75	312.39	5,184.26	264.58	-289.87	383.58	0.00	0.00	0.00
5,300.00	4.75	312.39	5,283.91	270.16	-295.99	391.67	0.00	0.00	0.00
5,400.00	4.75	312.39	5,383.57	275.74	-302.10	399.76	0.00	0.00	0.00
5,500.00	4.75	312.39	5,483.23	281.32	-308.21	407.85	0.00	0.00	0.00
5,600.00	4.75	312.39	5,582.88	286.90	-314.33	415.94	0.00	0.00	0.00
5,700.00	4.75	312.39	5,682.54	292.48	-320.44	424.03	0.00	0.00	0.00
5,800.00	4.75	312.39	5,782.20	298.06	-326.56	432.12	0.00	0.00	0.00
5,900.00	4.75	312.39	5,881.85	303.64	-332.67	440.21	0.00	0.00	0.00
6,000.00	4.75	312.39	5,981.51	309.22	-338.78	448.30	0.00	0.00	0.00
6,100.00	4.75	312.39	6,081.17	314.80	-344.90	456.40	0.00	0.00	0.00
6,200.00	4.75	312.39	6,180.82	320.38	-351.01	464.49	0.00	0.00	0.00
6,254.36	4.75	312.39	6,235.00	323.41	-354.34	468.88	0.00	0.00	0.00
Fort Union									
6,300.00	4.75	312.39	6,280.48	325.96	-357.13	472.58	0.00	0.00	0.00
6,400.00	4.75	312.39	6,380.14	331.54	-363.24	480.67	0.00	0.00	0.00
6,500.00	4.75	312.39	6,479.79	337.12	-369.35	488.76	0.00	0.00	0.00
6,600.00	4.75	312.39	6,579.45	342.70	-375.47	496.85	0.00	0.00	0.00
6,700.00	4.75	312.39	6,679.11	348.28	-381.58	504.94	0.00	0.00	0.00
6,756.08	4.75	312.39	6,735.00	351.41	-385.01	509.48	0.00	0.00	0.00
Base Ft Union									
6,800.00	4.75	312.39	6,778.77	353.86	-387.70	513.03	0.00	0.00	0.00
6,900.00	4.75	312.39	6,878.42	359.44	-393.81	521.12	0.00	0.00	0.00
7,000.00	4.75	312.39	6,978.08	365.02	-399.92	529.21	0.00	0.00	0.00
7,100.00	4.75	312.39	7,077.74	370.60	-406.04	537.30	0.00	0.00	0.00
7,200.00	4.75	312.39	7,177.39	376.18	-412.15	545.39	0.00	0.00	0.00
7,300.00	4.75	312.39	7,277.05	381.76	-418.27	553.48	0.00	0.00	0.00
7,400.00	4.75	312.39	7,376.71	387.34	-424.38	561.57	0.00	0.00	0.00
7,414.06	4.75	312.39	7,390.72	388.13	-425.24	562.71	0.00	0.00	0.00
Start Drop -1.00									
7,500.00	3.89	312.39	7,476.41	392.49	-430.02	569.03	1.00	-1.00	0.00
7,600.00	2.89	312.39	7,576.24	396.48	-434.38	574.81	1.00	-1.00	0.00
7,700.00	1.89	312.39	7,676.15	399.29	-437.46	578.88	1.00	-1.00	0.00
7,800.00	0.89	312.39	7,776.12	400.92	-439.25	581.25	1.00	-1.00	0.00
7,888.89	0.00	0.00	7,865.00	401.39	-439.76	581.93	1.00	-1.00	0.00
DRIFT - Plan @ 7865.00 (GRANLEE OM07A OM07A PLAN #1)									
7,900.00	0.11	240.00	7,876.11	401.38	-439.77	581.93	1.00	1.00	0.00
7,988.89	1.00	240.00	7,965.00	400.95	-440.52	582.36	1.00	1.00	0.00
Ohio Creek									
8,000.00	1.11	240.00	7,976.11	400.85	-440.70	582.46	1.00	1.00	0.00
8,100.00	2.11	240.00	8,076.07	399.44	-443.13	583.86	1.00	1.00	0.00
8,138.89	2.50	240.00	8,114.92	398.66	-444.49	584.64	1.00	1.00	0.00
TREND									
8,189.01	2.50	240.00	8,165.00	397.57	-446.38	585.73	0.00	0.00	0.00
Mesaverde									
8,200.00	2.50	240.00	8,175.98	397.33	-446.79	585.97	0.00	0.00	0.00
8,269.09	2.50	240.00	8,245.00	395.82	-449.40	587.46	0.00	0.00	0.00



Berry Petroleum Company

Weatherford International Ltd.

Planning Report



Weatherford

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM07A
Company:	BERRY PETROLEUM COMPANY	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
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Well:	GRANLEE OM07A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM07A		
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)
Approx. Top Gas									
8,300.00	2.50	240.00	8,275.88	395.14	-450.57	588.13	0.00	0.00	0.00
8,400.00	2.50	240.00	8,375.79	392.96	-454.35	590.30	0.00	0.00	0.00
8,500.00	2.50	240.00	8,475.69	390.78	-458.13	592.47	0.00	0.00	0.00
8,600.00	2.50	240.00	8,575.60	388.60	-461.90	594.64	0.00	0.00	0.00
8,700.00	2.50	240.00	8,675.50	386.42	-465.68	596.81	0.00	0.00	0.00
8,800.00	2.50	240.00	8,775.41	384.24	-469.46	598.98	0.00	0.00	0.00
8,900.00	2.50	240.00	8,875.31	382.06	-473.24	601.15	0.00	0.00	0.00
9,000.00	2.50	240.00	8,975.22	379.88	-477.01	603.32	0.00	0.00	0.00
9,100.00	2.50	240.00	9,075.12	377.70	-480.79	605.49	0.00	0.00	0.00
9,200.00	2.50	240.00	9,175.03	375.52	-484.57	607.66	0.00	0.00	0.00
9,300.00	2.50	240.00	9,274.93	373.34	-488.35	609.83	0.00	0.00	0.00
9,400.00	2.50	240.00	9,374.83	371.15	-492.12	612.00	0.00	0.00	0.00
9,500.00	2.50	240.00	9,474.74	368.97	-495.90	614.17	0.00	0.00	0.00
9,600.00	2.50	240.00	9,574.64	366.79	-499.68	616.34	0.00	0.00	0.00
9,700.00	2.50	240.00	9,674.55	364.61	-503.46	618.51	0.00	0.00	0.00
9,800.00	2.50	240.00	9,774.45	362.43	-507.23	620.68	0.00	0.00	0.00
9,900.00	2.50	240.00	9,874.36	360.25	-511.01	622.84	0.00	0.00	0.00
10,000.00	2.50	240.00	9,974.26	358.07	-514.79	625.01	0.00	0.00	0.00
10,100.00	2.50	240.00	10,074.17	355.89	-518.57	627.18	0.00	0.00	0.00
10,200.00	2.50	240.00	10,174.07	353.71	-522.35	629.35	0.00	0.00	0.00
10,300.00	2.50	240.00	10,273.98	351.53	-526.12	631.52	0.00	0.00	0.00
10,400.00	2.50	240.00	10,373.88	349.34	-529.90	633.69	0.00	0.00	0.00
10,500.00	2.50	240.00	10,473.79	347.16	-533.68	635.86	0.00	0.00	0.00
10,600.00	2.50	240.00	10,573.69	344.98	-537.46	638.03	0.00	0.00	0.00
10,700.00	2.50	240.00	10,673.60	342.80	-541.23	640.20	0.00	0.00	0.00
10,741.44	2.50	240.00	10,715.00	341.90	-542.80	641.10	0.00	0.00	0.00
Cameo									
10,800.00	2.50	240.00	10,773.50	340.62	-545.01	642.37	0.00	0.00	0.00
10,900.00	2.50	240.00	10,873.41	338.44	-548.79	644.54	0.00	0.00	0.00
11,000.00	2.50	240.00	10,973.31	336.26	-552.57	646.71	0.00	0.00	0.00
11,100.00	2.50	240.00	11,073.22	334.08	-556.34	648.88	0.00	0.00	0.00
11,191.87	2.50	240.00	11,165.00	332.07	-559.81	650.87	0.00	0.00	0.00
Rollins SS									
11,200.00	2.50	240.00	11,173.12	331.90	-560.12	651.05	0.00	0.00	0.00
11,300.00	2.50	240.00	11,273.03	329.72	-563.90	653.22	0.00	0.00	0.00
11,339.37	2.50	240.00	11,312.36	328.86	-565.39	654.07	0.00	0.00	0.00
PBHL_OM07A-G03-695									
11,342.01	2.50	240.00	11,315.00	328.80	-565.49	654.13	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	2,991.81	9 5/8"	9.62	12.25



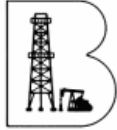
Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GRANLEE OM07A
Company:	BERRY PETROLEUM COMPANY	TVD Reference:	WELL @ 8185.50ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO	MD Reference:	WELL @ 8185.50ft (Original Well Elev)
Site:	OM G03 696 PAD	North Reference:	True
Well:	GRANLEE OM07A	Survey Calculation Method:	Minimum Curvature
Wellbore:	OM07A		
Design:	PLAN #1		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,508.37	4,495.00	Wasatch		0.00	
6,254.36	6,235.00	Fort Union		0.00	
6,756.08	6,735.00	Base Ft Union		0.00	
7,988.89	7,965.00	Ohio Creek		0.00	
8,189.01	8,165.00	Mesaverde		0.00	
8,269.09	8,245.00	Approx. Top Gas		0.00	
10,741.44	10,715.00	Cameo		0.00	
11,191.87	11,165.00	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	2.65	-2.90	Start 490.00 hold at 310.00 MD
800.00	799.26	19.94	-21.84	Start DLS 2.00 TFO -0.01
887.41	886.47	23.92	-26.20	Start 6526.65 hold at 887.41 MD
7,414.06	7,390.72	388.13	-425.24	Start Drop -1.00
7,888.89	7,865.00	401.39	-439.76	DRIFT
8,138.89	8,114.92	398.66	-444.49	TREND
11,342.01	11,315.00	328.80	-565.49	ASSUMED DRIFT PBHL



Berry Petroleum Company

BERRY PETROLEUM COMPANY

**GARFIELD COUNTY, COLORADO
OM G03 696 PAD
GRANLEE OM07A**

**OM07A
PLAN #1**

Anticollision Report

08 September, 2008



Weatherford®

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	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	11,342.01	PLAN #1 (OM07A)	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 OM02D - OM02D - PLAN #1	160.00	160.00	14.92	14.47	33.516	CC
GRANLEE OM02D - OM02D - PLAN #1	200.00	200.01	14.98	14.35	24.062	ES
GRANLEE OM02D - OM02D - PLAN #1	2,200.00	2,200.28	47.61	36.66	4.347	SF
GRANLEE OM10B - OM10B - PLAN #1	160.00	160.00	15.49	15.05	34.807	CC
GRANLEE OM10B - OM10B - PLAN #1	200.00	199.84	15.64	15.03	25.518	ES
GRANLEE OM10B - OM10B - PLAN #1	400.00	398.71	24.66	23.15	16.370	SF

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	Offset	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	57.15	8.09	12.53	14.92				
100.00	100.00	100.00	100.00	0.09	0.09	57.15	8.09	12.53	14.92	14.74	0.18	85.079	
160.00	160.00	160.00	160.00	0.22	0.22	57.15	8.09	12.53	14.92	14.47	0.45	33.516	CC
200.00	200.00	200.01	200.01	0.31	0.31	104.73	8.32	12.37	14.98	14.35	0.62	24.062	ES
310.00	309.93	310.02	309.95	0.56	0.57	104.28	11.31	10.29	15.78	14.66	1.12	14.114	
400.00	399.81	400.02	399.82	0.77	0.77	103.79	15.18	7.60	16.82	15.28	1.54	10.919	
500.00	499.67	500.01	499.68	1.01	1.01	103.31	19.47	4.61	17.97	15.96	2.02	8.912	
600.00	599.53	600.00	599.54	1.25	1.25	102.89	23.77	1.62	19.13	16.63	2.50	7.662	
700.00	699.40	700.00	699.39	1.49	1.49	102.52	28.06	-1.37	20.29	17.31	2.98	6.811	
800.00	799.26	799.99	799.25	1.73	1.73	102.19	32.36	-4.36	21.44	17.98	3.46	6.195	
887.41	886.47	887.38	886.52	1.95	1.95	105.18	36.11	-6.97	22.77	18.88	3.89	5.857	
900.00	899.01	899.96	899.08	1.99	1.98	106.05	36.65	-7.35	23.02	19.07	3.95	5.829	
1,000.00	998.67	999.90	998.89	2.25	2.22	112.29	40.95	-10.34	25.16	20.72	4.44	5.673	
1,100.00	1,098.33	1,099.85	1,098.69	2.51	2.46	117.50	45.24	-13.33	27.55	22.63	4.92	5.604	
1,200.00	1,197.98	1,199.79	1,198.50	2.78	2.70	121.85	49.53	-16.32	30.13	24.74	5.39	5.587	
1,300.00	1,297.64	1,299.73	1,298.31	3.05	2.95	125.50	53.83	-19.30	32.86	26.99	5.87	5.601	
1,400.00	1,397.30	1,399.67	1,398.11	3.31	3.19	128.58	58.12	-22.29	35.70	29.36	6.34	5.632	
1,500.00	1,496.95	1,499.62	1,497.92	3.58	3.43	131.20	62.41	-25.28	38.63	31.82	6.81	5.674	
1,600.00	1,596.61	1,600.26	1,598.31	3.85	3.69	131.33	68.17	-29.29	40.76	33.46	7.31	5.579	
1,700.00	1,696.27	1,700.87	1,698.36	4.12	3.97	127.16	76.82	-35.31	41.33	33.46	7.87	5.253	
1,773.74	1,769.75	1,774.68	1,771.54	4.32	4.19	121.69	84.73	-40.82	41.21	32.89	8.32	4.950	

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 OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	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-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	
1,800.00	1,795.92	1,800.90	1,797.52	4.39	4.27	119.67	87.59	-42.81	41.24	32.75	8.49	4.858	
1,900.00	1,895.58	1,900.74	1,896.48	4.66	4.57	112.06	98.48	-50.39	41.83	32.71	9.12	4.585	
2,000.00	1,995.24	2,000.59	1,995.44	4.92	4.88	104.78	109.37	-57.97	43.13	33.38	9.75	4.424	
2,100.00	2,094.90	2,100.43	2,094.40	5.19	5.19	98.03	120.26	-65.55	45.09	34.73	10.36	4.351	
2,200.00	2,194.55	2,200.28	2,193.36	5.46	5.50	91.92	131.15	-73.13	47.61	36.66	10.95	4.347 SF	
2,300.00	2,294.21	2,300.13	2,292.32	5.73	5.82	86.47	142.04	-80.71	50.62	39.10	11.52	4.394	
2,400.00	2,393.87	2,399.97	2,391.28	6.00	6.14	81.68	152.93	-88.30	54.04	41.97	12.07	4.478	
2,500.00	2,493.52	2,499.82	2,490.24	6.27	6.45	77.48	163.82	-95.88	57.78	45.18	12.60	4.586	
2,600.00	2,593.18	2,599.66	2,589.20	6.54	6.77	73.80	174.71	-103.46	61.80	48.68	13.12	4.711	
2,700.00	2,692.84	2,699.51	2,688.16	6.81	7.09	70.59	185.60	-111.04	66.04	52.41	13.63	4.845	
2,800.00	2,792.49	2,799.35	2,787.12	7.08	7.42	67.77	196.49	-118.62	70.47	56.33	14.14	4.985	
2,900.00	2,892.15	2,899.20	2,886.08	7.35	7.74	65.29	207.38	-126.20	75.04	60.41	14.64	5.128	
3,000.00	2,991.81	2,999.05	2,985.05	7.62	8.06	63.09	218.27	-133.78	79.74	64.61	15.13	5.270	
3,100.00	3,091.46	3,098.89	3,084.01	7.89	8.39	61.15	229.17	-141.36	84.54	68.92	15.63	5.410	
3,200.00	3,191.12	3,198.74	3,182.97	8.16	8.71	59.41	240.06	-148.94	89.43	73.31	16.12	5.548	
3,300.00	3,290.78	3,298.58	3,281.93	8.43	9.03	57.86	250.95	-156.52	94.40	77.78	16.61	5.682	
3,400.00	3,390.43	3,398.43	3,380.89	8.70	9.36	56.46	261.84	-164.11	99.42	82.32	17.10	5.813	
3,500.00	3,490.09	3,498.27	3,479.85	8.97	9.69	55.19	272.73	-171.69	104.50	86.90	17.60	5.939	
3,600.00	3,589.75	3,598.12	3,578.81	9.24	10.01	54.05	283.62	-179.27	109.62	91.54	18.09	6.060	
3,700.00	3,689.40	3,697.97	3,677.77	9.51	10.34	53.01	294.51	-186.85	114.79	96.21	18.58	6.178	
3,800.00	3,789.06	3,797.81	3,776.73	9.78	10.66	52.05	305.40	-194.43	119.99	100.92	19.07	6.291	
3,900.00	3,888.72	3,897.66	3,875.69	10.05	10.99	51.18	316.29	-202.01	125.22	105.65	19.57	6.400	
4,000.00	3,988.37	3,997.50	3,974.65	10.32	11.32	50.38	327.18	-209.59	130.47	110.42	20.06	6.505	
4,100.00	4,088.03	4,097.35	4,073.61	10.59	11.65	49.63	338.07	-217.17	135.75	115.20	20.55	6.606	
4,200.00	4,187.69	4,197.19	4,172.57	10.87	11.97	48.95	348.96	-224.75	141.05	120.01	21.05	6.702	
4,300.00	4,287.34	4,297.04	4,271.53	11.14	12.30	48.31	359.85	-232.34	146.37	124.83	21.54	6.796	
4,400.00	4,387.00	4,396.89	4,370.49	11.41	12.63	47.72	370.74	-239.92	151.71	129.68	22.03	6.886	
4,500.00	4,486.66	4,496.73	4,469.45	11.68	12.96	47.17	381.63	-247.50	157.06	134.53	22.53	6.972	
4,600.00	4,586.32	4,596.58	4,568.41	11.95	13.29	46.66	392.52	-255.08	162.43	139.40	23.02	7.055	
4,700.00	4,685.97	4,696.42	4,667.37	12.22	13.61	46.17	403.41	-262.66	167.80	144.29	23.52	7.135	
4,800.00	4,785.63	4,796.27	4,766.33	12.49	13.94	45.72	414.30	-270.24	173.19	149.18	24.01	7.212	
4,900.00	4,885.29	4,896.11	4,865.29	12.76	14.27	45.30	425.19	-277.82	178.59	154.08	24.51	7.287	
5,000.00	4,984.94	4,995.96	4,964.25	13.03	14.60	44.90	436.08	-285.40	184.00	158.99	25.00	7.359	
5,100.00	5,084.60	5,095.81	5,063.21	13.30	14.93	44.52	446.97	-292.98	189.41	163.91	25.50	7.428	
5,200.00	5,184.26	5,195.65	5,162.17	13.57	15.26	44.17	457.86	-300.57	194.83	168.84	26.00	7.495	
5,300.00	5,283.91	5,295.50	5,261.13	13.84	15.59	43.83	468.75	-308.15	200.27	173.77	26.49	7.559	
5,400.00	5,383.57	5,395.34	5,360.09	14.11	15.92	43.51	479.64	-315.73	205.70	178.71	26.99	7.622	
5,500.00	5,483.23	5,495.19	5,459.05	14.38	16.24	43.21	490.53	-323.31	211.15	183.66	27.49	7.682	
5,600.00	5,582.88	5,595.03	5,558.01	14.65	16.57	42.92	501.42	-330.89	216.59	188.61	27.98	7.740	
5,700.00	5,682.54	5,694.88	5,656.97	14.92	16.90	42.65	512.31	-338.47	222.05	193.57	28.48	7.796	
5,800.00	5,782.20	5,794.73	5,755.93	15.19	17.23	42.39	523.20	-346.05	227.51	198.53	28.98	7.851	
5,900.00	5,881.85	5,894.57	5,854.89	15.46	17.56	42.14	534.09	-353.63	232.97	203.49	29.48	7.904	
6,000.00	5,981.51	5,994.42	5,953.85	15.73	17.89	41.91	544.98	-361.21	238.44	208.46	29.97	7.955	
6,100.00	6,081.17	6,094.26	6,052.81	16.00	18.22	41.68	555.87	-368.80	243.91	213.44	30.47	8.004	
6,200.00	6,180.82	6,194.11	6,151.77	16.27	18.55	41.46	566.76	-376.38	249.38	218.41	30.97	8.053	
6,300.00	6,280.48	6,293.95	6,250.73	16.55	18.88	41.26	577.65	-383.96	254.86	223.39	31.47	8.099	
6,400.00	6,380.14	6,393.80	6,349.69	16.82	19.21	41.06	588.54	-391.54	260.34	228.38	31.97	8.144	
6,500.00	6,479.79	6,493.65	6,448.65	17.09	19.54	40.87	599.43	-399.12	265.82	233.36	32.46	8.188	
6,600.00	6,579.45	6,593.49	6,547.61	17.36	19.87	40.69	610.32	-406.70	271.31	238.35	32.96	8.231	
6,700.00	6,679.11	6,693.34	6,646.57	17.63	20.20	40.51	621.21	-414.28	276.80	243.34	33.46	8.272	
6,800.00	6,778.77	6,793.18	6,745.53	17.90	20.53	40.34	632.10	-421.86	282.29	248.33	33.96	8.313	
6,900.00	6,878.42	6,893.03	6,844.49	18.17	20.86	40.18	642.99	-429.44	287.79	253.33	34.46	8.352	

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 OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	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	
7,000.00	6,978.08	6,992.87	6,943.45	18.44	21.19	40.03	653.88	-437.02	293.28	258.33	34.96	8.390	
7,100.00	7,077.74	7,092.72	7,042.41	18.71	21.52	39.88	664.77	-444.61	298.78	263.33	35.46	8.427	
7,200.00	7,177.39	7,193.46	7,142.26	18.98	21.85	39.73	675.73	-452.24	304.26	268.31	35.95	8.463	
7,300.00	7,277.05	7,298.36	7,246.39	19.25	22.11	39.70	686.11	-459.46	308.65	272.25	36.40	8.478	
7,400.00	7,376.71	7,403.38	7,350.86	19.52	22.35	39.82	694.94	-465.60	311.41	274.55	36.87	8.446	
7,414.06	7,390.72	7,418.16	7,365.57	19.56	22.38	39.85	696.05	-466.38	311.67	274.74	36.94	8.438	
7,500.00	7,476.41	7,508.46	7,455.56	19.76	22.57	40.04	702.19	-470.65	313.04	275.75	37.30	8.393	
7,600.00	7,576.24	7,613.56	7,560.43	19.95	22.78	40.20	707.86	-474.60	314.37	276.71	37.66	8.347	
7,700.00	7,676.15	7,718.67	7,665.43	20.13	22.96	40.30	711.96	-477.45	315.40	277.40	38.00	8.300	
7,800.00	7,776.12	7,823.81	7,770.52	20.29	23.13	40.34	714.47	-479.21	316.14	277.82	38.32	8.251	
7,888.89	7,865.00	7,917.27	7,863.97	20.43	23.27	-7.27	715.38	-479.84	316.54	278.49	38.06	8.317	
7,900.00	7,876.11	7,928.95	7,875.66	20.45	23.28	112.73	715.41	-479.85	316.58	277.96	38.61	8.199	
8,000.00	7,976.11	8,031.40	7,978.10	20.62	23.43	112.78	715.04	-480.51	316.71	277.74	38.97	8.128	
8,100.00	8,076.07	8,133.59	8,080.26	20.80	23.58	112.83	713.75	-482.74	316.82	277.48	39.34	8.053	
8,138.89	8,114.92	8,173.33	8,119.97	20.87	23.64	112.85	713.00	-484.03	316.86	277.37	39.50	8.023	
8,200.00	8,175.98	8,234.76	8,181.34	20.99	23.74	112.85	711.67	-486.34	316.87	277.12	39.75	7.972	
8,300.00	8,275.88	8,334.76	8,281.25	21.18	23.89	112.85	709.49	-490.11	316.87	276.71	40.16	7.891	
8,400.00	8,375.79	8,434.76	8,381.15	21.36	24.05	112.85	707.31	-493.89	316.87	276.30	40.57	7.810	
8,500.00	8,475.69	8,534.76	8,481.06	21.55	24.20	112.85	705.13	-497.67	316.87	275.88	40.99	7.731	
8,600.00	8,575.60	8,634.76	8,580.96	21.74	24.36	112.85	702.95	-501.45	316.87	275.47	41.40	7.654	
8,700.00	8,675.50	8,734.76	8,680.87	21.94	24.52	112.85	700.77	-505.22	316.87	275.05	41.82	7.577	
8,800.00	8,775.41	8,834.76	8,780.77	22.13	24.68	112.85	698.59	-509.00	316.87	274.63	42.24	7.502	
8,900.00	8,875.31	8,934.76	8,880.68	22.32	24.84	112.85	696.41	-512.78	316.87	274.21	42.66	7.429	
9,000.00	8,975.22	9,034.76	8,980.58	22.52	25.01	112.85	694.23	-516.56	316.87	273.79	43.08	7.356	
9,100.00	9,075.12	9,134.76	9,080.49	22.71	25.17	112.85	692.04	-520.33	316.87	273.37	43.50	7.285	
9,200.00	9,175.03	9,234.76	9,180.39	22.91	25.34	112.85	689.86	-524.11	316.87	272.95	43.92	7.215	
9,300.00	9,274.93	9,334.76	9,280.30	23.10	25.50	112.85	687.68	-527.89	316.87	272.53	44.34	7.146	
9,400.00	9,374.83	9,434.76	9,380.20	23.30	25.67	112.85	685.50	-531.67	316.87	272.10	44.77	7.078	
9,500.00	9,474.74	9,534.76	9,480.11	23.50	25.84	112.85	683.32	-535.45	316.87	271.68	45.20	7.011	
9,600.00	9,574.64	9,634.76	9,580.01	23.70	26.01	112.85	681.14	-539.22	316.87	271.25	45.62	6.946	
9,700.00	9,674.55	9,734.76	9,679.92	23.89	26.18	112.85	678.96	-543.00	316.87	270.82	46.05	6.881	
9,800.00	9,774.45	9,834.76	9,779.82	24.10	26.35	112.85	676.78	-546.78	316.87	270.39	46.48	6.818	
9,900.00	9,874.36	9,934.76	9,879.73	24.30	26.52	112.85	674.60	-550.56	316.87	269.96	46.91	6.755	
10,000.00	9,974.26	10,034.76	9,979.63	24.50	26.70	112.85	672.42	-554.33	316.87	269.53	47.34	6.694	
10,100.00	10,074.17	10,134.76	10,079.54	24.70	26.87	112.85	670.23	-558.11	316.87	269.10	47.77	6.633	
10,200.00	10,174.07	10,234.76	10,179.44	24.90	27.04	112.85	668.05	-561.89	316.87	268.67	48.20	6.574	
10,300.00	10,273.98	10,334.76	10,279.35	25.11	27.22	112.85	665.87	-565.67	316.87	268.23	48.64	6.515	
10,400.00	10,373.88	10,434.76	10,379.25	25.31	27.40	112.85	663.69	-569.44	316.87	267.80	49.07	6.458	
10,500.00	10,473.79	10,534.76	10,479.15	25.51	27.58	112.85	661.51	-573.22	316.87	267.37	49.50	6.401	
10,600.00	10,573.69	10,634.76	10,579.06	25.72	27.75	112.85	659.33	-577.00	316.87	266.93	49.94	6.345	
10,700.00	10,673.60	10,734.76	10,678.96	25.92	27.93	112.85	657.15	-580.78	316.87	266.49	50.38	6.290	
10,800.00	10,773.50	10,834.76	10,778.87	26.13	28.11	112.85	654.97	-584.55	316.87	266.06	50.81	6.236	
10,900.00	10,873.41	10,934.76	10,878.77	26.34	28.30	112.85	652.79	-588.33	316.87	265.62	51.25	6.183	
11,000.00	10,973.31	11,034.76	10,978.68	26.55	28.48	112.85	650.61	-592.11	316.87	265.18	51.69	6.130	
11,100.00	11,073.22	11,134.76	11,078.58	26.75	28.66	112.85	648.43	-595.89	316.87	264.74	52.13	6.079	
11,200.00	11,173.12	11,234.76	11,178.49	26.96	28.84	112.85	646.24	-599.66	316.87	264.30	52.57	6.028	
11,300.00	11,273.03	11,334.76	11,278.39	27.17	29.03	112.85	644.06	-603.44	316.87	263.86	53.01	5.978	
11,342.01	11,315.00	11,376.78	11,320.37	27.26	29.11	112.85	643.15	-605.03	316.87	263.68	53.19	5.957	

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM10B - OM10B - PLAN #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-126.00	-9.11	-12.53	15.49				
100.00	100.00	100.00	100.00	0.09	0.09	-126.00	-9.11	-12.53	15.49	15.32	0.18	88.357	
160.00	160.00	160.00	160.00	0.22	0.22	-126.00	-9.11	-12.53	15.49	15.05	0.45	34.807 CC	
200.00	200.00	199.84	199.84	0.31	0.30	-80.09	-9.38	-12.58	15.64	15.03	0.61	25.518 ES	
310.00	309.93	309.11	309.04	0.56	0.53	-98.74	-12.93	-13.20	18.70	17.61	1.09	17.146	
400.00	399.81	398.71	398.52	0.77	0.73	-111.91	-17.27	-14.93	24.66	23.15	1.51	16.370 SF	
500.00	499.67	498.36	498.03	1.01	0.96	-119.83	-22.00	-17.13	32.14	30.18	1.96	16.413	
600.00	599.53	598.00	597.54	1.25	1.20	-124.70	-26.72	-19.34	39.99	37.58	2.41	16.568	
700.00	699.40	697.65	697.05	1.49	1.45	-127.96	-31.44	-21.55	48.04	45.17	2.87	16.723	
800.00	799.26	797.29	796.55	1.73	1.69	-130.28	-36.17	-23.76	56.20	52.87	3.33	16.856	
887.41	886.47	884.29	883.43	1.95	1.90	-132.58	-40.29	-25.69	64.28	60.54	3.75	17.160	
900.00	899.01	896.80	895.93	1.99	1.93	-133.01	-40.89	-25.96	65.59	61.78	3.81	17.234	
1,000.00	998.67	996.19	995.18	2.25	2.18	-135.85	-45.60	-28.17	76.04	71.76	4.28	17.766	
1,100.00	1,098.33	1,095.58	1,094.44	2.51	2.42	-138.00	-50.31	-30.37	86.63	81.88	4.75	18.220	
1,200.00	1,197.98	1,194.97	1,193.69	2.78	2.67	-139.69	-55.02	-32.57	97.32	92.09	5.23	18.608	
1,300.00	1,297.64	1,294.36	1,292.95	3.05	2.91	-141.04	-59.74	-34.77	108.07	102.37	5.71	18.941	
1,400.00	1,397.30	1,393.75	1,392.20	3.31	3.16	-142.14	-64.45	-36.97	118.87	112.69	6.18	19.230	
1,500.00	1,496.95	1,493.15	1,491.46	3.58	3.40	-143.06	-69.16	-39.18	129.71	123.05	6.66	19.482	
1,600.00	1,596.61	1,589.00	1,587.10	3.85	3.65	-143.48	-74.96	-41.89	141.74	134.60	7.13	19.868	
1,700.00	1,696.27	1,683.93	1,681.55	4.12	3.92	-143.13	-83.54	-45.90	156.41	148.79	7.62	20.523	
1,800.00	1,795.92	1,777.97	1,774.75	4.39	4.22	-142.23	-94.84	-51.18	173.75	165.63	8.12	21.402	
1,900.00	1,895.58	1,873.70	1,869.24	4.66	4.54	-141.02	-108.75	-57.68	193.41	184.78	8.63	22.414	
2,000.00	1,995.24	1,971.61	1,965.82	4.92	4.88	-139.95	-123.30	-64.48	213.44	204.30	9.14	23.348	
2,100.00	2,094.90	2,069.51	2,062.40	5.19	5.22	-139.07	-137.84	-71.28	233.53	223.87	9.66	24.186	
2,200.00	2,194.55	2,167.42	2,158.98	5.46	5.57	-138.33	-152.38	-78.07	253.66	243.49	10.17	24.943	
2,300.00	2,294.21	2,265.32	2,255.56	5.73	5.93	-137.70	-166.92	-84.87	273.82	263.14	10.68	25.628	
2,400.00	2,393.87	2,363.22	2,352.14	6.00	6.28	-137.15	-181.46	-91.67	294.02	282.82	11.20	26.251	
2,500.00	2,493.52	2,461.13	2,448.72	6.27	6.64	-136.68	-196.00	-98.46	314.23	302.52	11.72	26.819	
2,600.00	2,593.18	2,559.03	2,545.30	6.54	7.00	-136.26	-210.54	-105.26	334.47	322.23	12.23	27.341	
2,700.00	2,692.84	2,656.94	2,641.88	6.81	7.36	-135.89	-225.08	-112.05	354.72	341.97	12.75	27.820	
2,800.00	2,792.49	2,754.84	2,738.46	7.08	7.73	-135.56	-239.62	-118.85	374.98	361.71	13.27	28.261	
2,900.00	2,892.15	2,852.74	2,835.03	7.35	8.09	-135.26	-254.16	-125.65	395.25	381.46	13.79	28.670	
3,000.00	2,991.81	2,950.65	2,931.61	7.62	8.46	-134.99	-268.70	-132.44	415.53	401.23	14.30	29.049	
3,100.00	3,091.46	3,048.55	3,028.19	7.89	8.82	-134.75	-283.24	-139.24	435.82	421.00	14.82	29.401	
3,200.00	3,191.12	3,146.46	3,124.77	8.16	9.19	-134.53	-297.78	-146.04	456.12	440.78	15.34	29.730	
3,300.00	3,290.78	3,244.36	3,221.35	8.43	9.56	-134.33	-312.32	-152.83	476.42	460.56	15.86	30.037	
3,400.00	3,390.43	3,342.26	3,317.93	8.70	9.93	-134.14	-326.87	-159.63	496.73	480.35	16.38	30.324	
3,500.00	3,490.09	3,440.17	3,414.51	8.97	10.30	-133.97	-341.41	-166.43	517.04	500.14	16.90	30.594	
3,600.00	3,589.75	3,538.07	3,511.09	9.24	10.67	-133.81	-355.95	-173.22	537.36	519.94	17.42	30.848	
3,700.00	3,689.40	3,635.98	3,607.67	9.51	11.04	-133.66	-370.49	-180.02	557.68	539.74	17.94	31.086	
3,800.00	3,789.06	3,733.88	3,704.25	9.78	11.41	-133.53	-385.03	-186.81	578.00	559.54	18.46	31.311	
3,900.00	3,888.72	3,831.78	3,800.83	10.05	11.78	-133.40	-399.57	-193.61	598.33	579.35	18.98	31.524	
4,000.00	3,988.37	3,929.69	3,897.41	10.32	12.15	-133.28	-414.11	-200.41	618.66	599.16	19.50	31.725	
4,100.00	4,088.03	4,027.59	3,993.99	10.59	12.53	-133.17	-428.65	-207.20	638.99	618.97	20.02	31.916	
4,200.00	4,187.69	4,125.50	4,090.57	10.87	12.90	-133.07	-443.19	-214.00	659.32	638.78	20.54	32.097	
4,300.00	4,287.34	4,223.40	4,187.15	11.14	13.27	-132.97	-457.73	-220.80	679.66	658.60	21.06	32.269	
4,400.00	4,387.00	4,321.31	4,283.73	11.41	13.64	-132.88	-472.27	-227.59	700.00	678.41	21.58	32.433	
4,500.00	4,486.66	4,419.21	4,380.31	11.68	14.02	-132.79	-486.81	-234.39	720.33	698.23	22.10	32.589	
4,600.00	4,586.32	4,517.11	4,476.88	11.95	14.39	-132.71	-501.35	-241.19	740.67	718.05	22.62	32.737	
4,700.00	4,685.97	4,615.02	4,573.46	12.22	14.76	-132.63	-515.89	-247.98	761.02	737.87	23.15	32.879	
4,800.00	4,785.63	4,712.92	4,670.04	12.49	15.14	-132.55	-530.44	-254.78	781.36	757.69	23.67	33.015	
4,900.00	4,885.29	4,810.83	4,766.62	12.76	15.51	-132.48	-544.98	-261.58	801.70	777.52	24.19	33.145	

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 OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM10B - OM10B - 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	4,984.94	4,908.73	4,863.20	13.03	15.89	-132.42	-559.52	-268.37	822.05	797.34	24.71	33.269	
5,100.00	5,084.60	5,006.63	4,959.78	13.30	16.26	-132.35	-574.06	-275.17	842.40	817.17	25.23	33.388	
5,200.00	5,184.26	5,104.54	5,056.36	13.57	16.63	-132.29	-588.60	-281.96	862.74	836.99	25.75	33.502	
5,300.00	5,283.91	5,202.44	5,152.94	13.84	17.01	-132.24	-603.14	-288.76	883.09	856.82	26.27	33.612	
5,400.00	5,383.57	5,300.35	5,249.52	14.11	17.38	-132.18	-617.68	-295.56	903.44	876.65	26.79	33.717	
5,500.00	5,483.23	5,398.25	5,346.10	14.38	17.76	-132.13	-632.22	-302.35	923.79	896.47	27.32	33.818	
5,600.00	5,582.88	5,496.15	5,442.68	14.65	18.13	-132.08	-646.76	-309.15	944.14	916.30	27.84	33.916	
5,700.00	5,682.54	5,594.06	5,539.26	14.92	18.51	-132.03	-661.30	-315.95	964.49	936.13	28.36	34.010	
5,800.00	5,782.20	5,691.96	5,635.84	15.19	18.88	-131.98	-675.84	-322.74	984.84	955.96	28.88	34.100	
5,900.00	5,881.85	5,789.87	5,732.42	15.46	19.26	-131.94	-690.38	-329.54	1,005.20	975.79	29.40	34.187	
6,000.00	5,981.51	5,887.77	5,829.00	15.73	19.63	-131.90	-704.92	-336.34	1,025.55	995.63	29.92	34.271	
6,100.00	6,081.17	5,985.67	5,925.58	16.00	20.01	-131.86	-719.47	-343.13	1,045.90	1,015.46	30.45	34.352	
6,200.00	6,180.82	6,083.58	6,022.16	16.27	20.39	-131.82	-734.01	-349.93	1,066.26	1,035.29	30.97	34.431	
6,300.00	6,280.48	6,181.48	6,118.73	16.55	20.76	-131.78	-748.55	-356.72	1,086.61	1,055.12	31.49	34.507	
6,400.00	6,380.14	6,279.39	6,215.31	16.82	21.14	-131.74	-763.09	-363.52	1,106.97	1,074.96	32.01	34.580	
6,500.00	6,479.79	6,377.29	6,311.89	17.09	21.51	-131.71	-777.63	-370.32	1,127.32	1,094.79	32.53	34.651	
6,600.00	6,579.45	6,475.19	6,408.47	17.36	21.89	-131.67	-792.17	-377.11	1,147.68	1,114.62	33.06	34.720	
6,700.00	6,679.11	6,573.10	6,505.05	17.63	22.26	-131.64	-806.71	-383.91	1,168.04	1,134.46	33.58	34.786	
6,800.00	6,778.77	6,671.00	6,601.63	17.90	22.64	-131.61	-821.25	-390.71	1,188.39	1,154.29	34.10	34.851	
6,900.00	6,878.42	6,768.91	6,698.21	18.17	23.01	-131.58	-835.79	-397.50	1,208.75	1,174.13	34.62	34.913	
7,000.00	6,978.08	6,866.81	6,794.79	18.44	23.39	-131.55	-850.33	-404.30	1,229.11	1,193.96	35.14	34.974	
7,100.00	7,077.74	6,963.70	6,910.22	18.71	23.72	-131.53	-866.98	-412.08	1,248.88	1,213.22	35.66	35.023	
7,200.00	7,177.39	7,106.63	7,032.00	18.98	24.02	-131.56	-882.21	-419.20	1,266.79	1,230.62	36.17	35.028	
7,300.00	7,277.05	7,230.37	7,154.91	19.25	24.30	-131.64	-895.16	-425.25	1,282.77	1,246.10	36.67	34.985	
7,400.00	7,376.71	7,354.82	7,278.80	19.52	24.55	-131.76	-905.75	-430.20	1,296.81	1,259.64	37.16	34.895	
7,414.06	7,390.72	7,372.37	7,296.29	19.56	24.58	-131.79	-907.04	-430.81	1,298.62	1,261.39	37.23	34.879	
7,500.00	7,476.41	7,479.93	7,403.58	19.76	24.78	-131.98	-913.93	-434.03	1,308.46	1,270.80	37.66	34.748	
7,600.00	7,576.24	7,605.67	7,529.16	19.95	24.98	-132.17	-919.67	-436.71	1,316.99	1,278.90	38.09	34.574	
7,700.00	7,676.15	7,731.86	7,655.30	20.13	25.16	-132.32	-922.92	-438.23	1,322.37	1,283.87	38.50	34.345	
7,800.00	7,776.12	7,850.50	7,773.93	20.29	25.32	-132.41	-923.72	-438.62	1,324.64	1,285.75	38.89	34.062	
7,888.89	7,865.00	7,930.17	7,853.60	20.43	25.45	179.98	-924.13	-439.33	1,325.56	1,281.31	44.26	29.951	
7,900.00	7,876.11	7,940.13	7,863.56	20.45	25.47	-60.01	-924.22	-439.49	1,325.66	1,286.42	39.24	33.783	
8,000.00	7,976.11	8,029.74	7,953.14	20.62	25.63	-59.95	-925.42	-441.56	1,326.46	1,286.84	39.62	33.480	
8,100.00	8,076.07	8,123.72	8,047.03	20.80	25.81	-59.90	-927.35	-444.91	1,327.11	1,287.08	40.03	33.155	
8,138.89	8,114.92	8,162.61	8,085.88	20.87	25.89	-59.89	-928.20	-446.38	1,327.18	1,286.98	40.20	33.018	
8,200.00	8,175.98	8,223.72	8,146.94	20.99	26.02	-59.89	-929.53	-448.69	1,327.18	1,286.72	40.46	32.803	
8,300.00	8,275.88	8,323.72	8,246.84	21.18	26.22	-59.89	-931.71	-452.47	1,327.18	1,286.29	40.89	32.457	
8,400.00	8,375.79	8,423.72	8,346.75	21.36	26.42	-59.89	-933.89	-456.24	1,327.18	1,285.86	41.32	32.118	
8,500.00	8,475.69	8,523.72	8,446.65	21.55	26.62	-59.89	-936.08	-460.02	1,327.18	1,285.42	41.76	31.784	
8,600.00	8,575.60	8,623.72	8,546.56	21.74	26.83	-59.89	-938.26	-463.80	1,327.18	1,284.99	42.19	31.457	
8,700.00	8,675.50	8,723.72	8,646.46	21.94	27.03	-59.89	-940.44	-467.58	1,327.18	1,284.55	42.62	31.137	
8,800.00	8,775.41	8,823.72	8,746.37	22.13	27.24	-59.89	-942.62	-471.35	1,327.18	1,284.12	43.06	30.822	
8,900.00	8,875.31	8,923.72	8,846.27	22.32	27.44	-59.89	-944.80	-475.13	1,327.18	1,283.68	43.50	30.512	
9,000.00	8,975.22	9,023.72	8,946.18	22.52	27.65	-59.89	-946.98	-478.91	1,327.18	1,283.24	43.93	30.209	
9,100.00	9,075.12	9,123.72	9,046.08	22.71	27.86	-59.89	-949.16	-482.69	1,327.18	1,282.81	44.37	29.910	
9,200.00	9,175.03	9,223.72	9,145.99	22.91	28.07	-59.89	-951.34	-486.46	1,327.18	1,282.37	44.81	29.618	
9,300.00	9,274.93	9,323.72	9,245.89	23.10	28.27	-59.89	-953.52	-490.24	1,327.18	1,281.93	45.25	29.330	
9,400.00	9,374.83	9,423.72	9,345.80	23.30	28.48	-59.89	-955.70	-494.02	1,327.18	1,281.49	45.69	29.048	
9,500.00	9,474.74	9,523.72	9,445.70	23.50	28.69	-59.89	-957.89	-497.80	1,327.18	1,281.05	46.13	28.770	
9,600.00	9,574.64	9,623.72	9,545.61	23.70	28.90	-59.89	-960.07	-501.57	1,327.18	1,280.61	46.57	28.497	
9,700.00	9,674.55	9,723.72	9,645.51	23.89	29.11	-59.89	-962.25	-505.35	1,327.18	1,280.16	47.01	28.230	
9,800.00	9,774.45	9,823.72	9,745.42	24.10	29.32	-59.89	-964.43	-509.13	1,327.18	1,279.72	47.46	27.966	

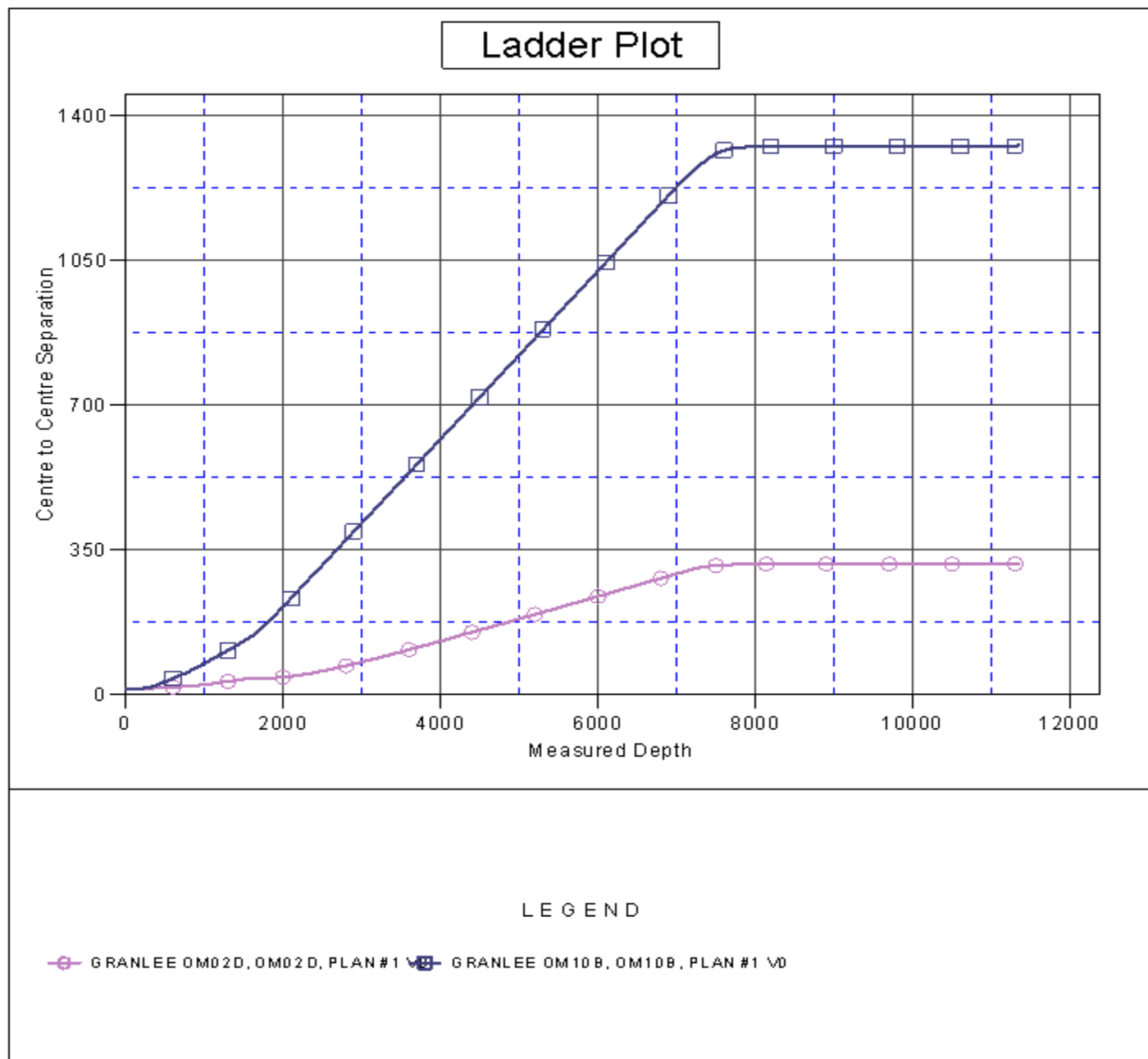
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design OM G03 696 PAD - GRANLEE OM10B - OM10B - PLAN #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9,900.00	9,874.36	9,923.72	9,845.32	24.30	29.53	-59.89	-966.61	-512.91	1,327.18	1,279.28	47.90	27.708	
10,000.00	9,974.26	10,023.72	9,945.23	24.50	29.74	-59.89	-968.79	-516.68	1,327.18	1,278.83	48.34	27.453	
10,100.00	10,074.17	10,123.72	10,045.13	24.70	29.96	-59.89	-970.97	-520.46	1,327.18	1,278.39	48.79	27.203	
10,200.00	10,174.07	10,223.72	10,145.04	24.90	30.17	-59.89	-973.15	-524.24	1,327.18	1,277.95	49.23	26.958	
10,300.00	10,273.98	10,323.72	10,244.94	25.11	30.38	-59.89	-975.33	-528.02	1,327.18	1,277.50	49.68	26.716	
10,400.00	10,373.88	10,423.72	10,344.85	25.31	30.60	-59.89	-977.51	-531.79	1,327.18	1,277.05	50.12	26.478	
10,500.00	10,473.79	10,523.72	10,444.75	25.51	30.81	-59.89	-979.69	-535.57	1,327.18	1,276.61	50.57	26.245	
10,600.00	10,573.69	10,623.72	10,544.66	25.72	31.02	-59.89	-981.88	-539.35	1,327.18	1,276.16	51.02	26.015	
10,700.00	10,673.60	10,723.72	10,644.56	25.92	31.24	-59.89	-984.06	-543.13	1,327.18	1,275.71	51.46	25.789	
10,800.00	10,773.50	10,823.72	10,744.46	26.13	31.45	-59.89	-986.24	-546.90	1,327.18	1,275.27	51.91	25.566	
10,900.00	10,873.41	10,923.72	10,844.37	26.34	31.67	-59.89	-988.42	-550.68	1,327.18	1,274.82	52.36	25.347	
11,000.00	10,973.31	11,023.72	10,944.27	26.55	31.88	-59.89	-990.60	-554.46	1,327.18	1,274.37	52.81	25.132	
11,100.00	11,073.22	11,123.72	11,044.18	26.75	32.10	-59.89	-992.78	-558.24	1,327.18	1,273.92	53.26	24.920	
11,200.00	11,173.12	11,223.72	11,144.08	26.96	32.32	-59.89	-994.96	-562.01	1,327.18	1,273.47	53.71	24.711	
11,245.33	11,218.41	11,269.05	11,189.37	27.06	32.41	-59.89	-995.95	-563.73	1,327.18	1,273.27	53.91	24.618	
11,300.00	11,273.03	11,284.69	11,205.00	27.17	32.45	-59.89	-996.29	-564.32	1,327.75	1,273.68	54.07	24.557	
11,342.01	11,315.00	11,284.69	11,205.00	27.26	32.45	-59.89	-996.29	-564.32	1,329.65	1,275.49	54.16	24.550	

Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

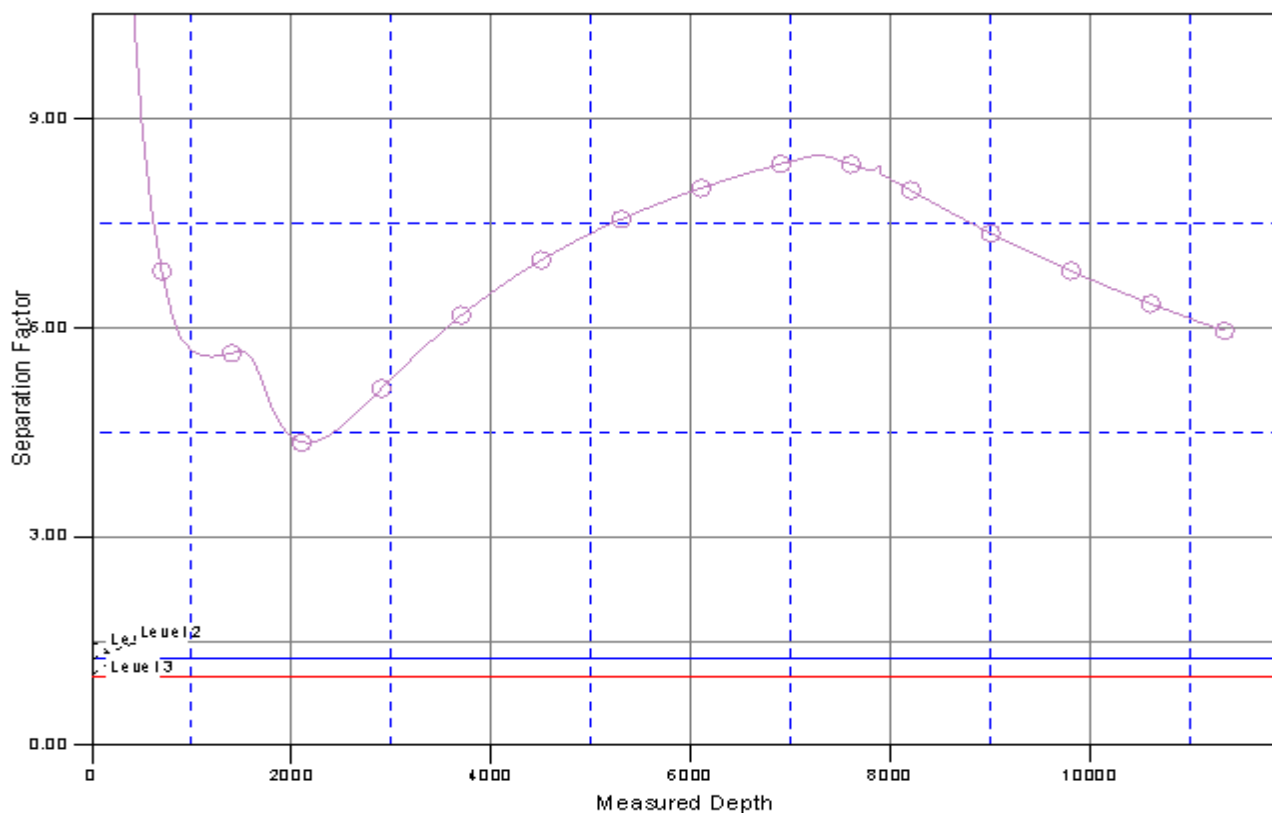
Reference Depths are relative to WELL @ 8185.50ft (Original Well Elev) Coordinates are relative to: GRANLEE OM07A
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.0000 W °
Coordinate System is US State Plane 1983, Colorado Central Zone
Grid Convergence at Surface is: -1.63°



Company:	BERRY PETROLEUM COMPANY	Local Co-ordinate Reference:	Well GRANLEE OM07A
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 OM07A	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	OM07A	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 OM07A
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 OM02D, OM02D, PLAN #1 —■— GRANLEE OM10B, OM10B, PLAN #1



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