

# Well Planning Proposal FOR

**Berry Petroleum Co.  
SHP OM08D B21 696  
Garfield Co., CO**

Well File: Design #1 (5/3/12)

Presented By:

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Pat Rasmussen  
Regional Manager

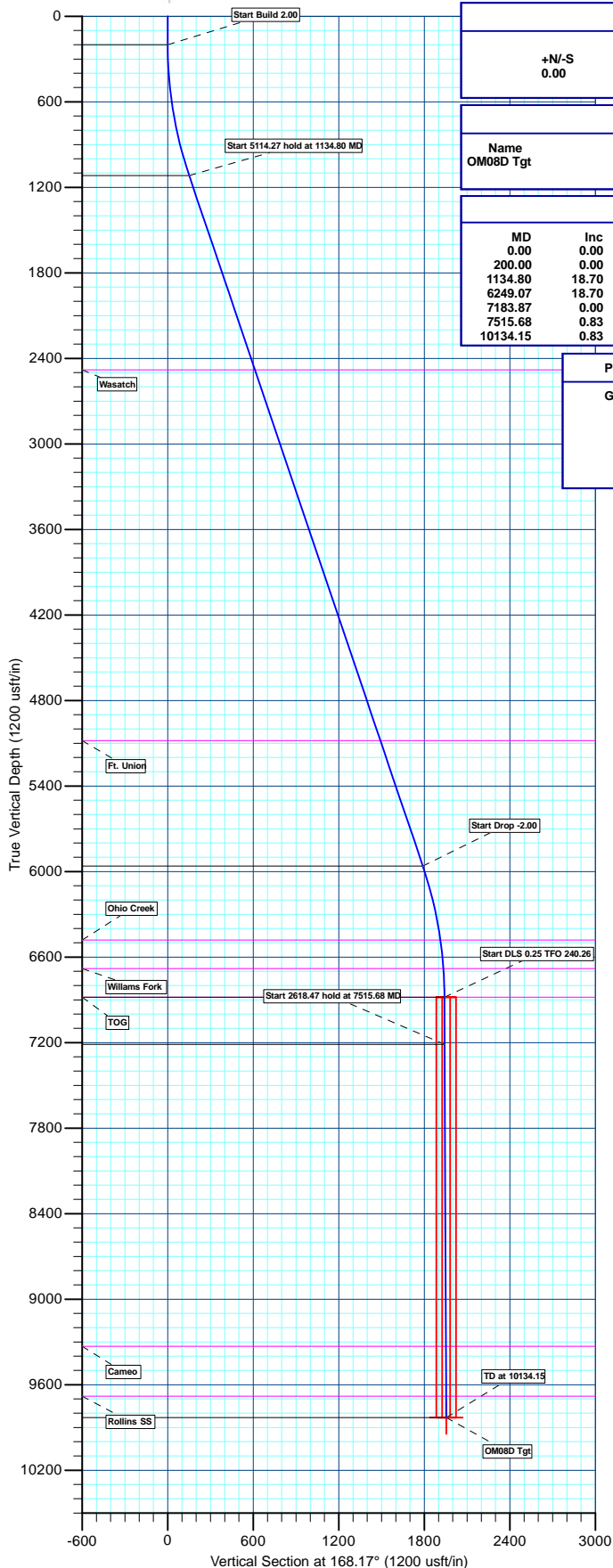
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Bret Wolford  
Well Planner





Berry Petroleum Company  
Project: Garfield Co., CO (CO83C)  
Site: B21 696 Pad (Sec.21-T6S-R96W)  
Well: OM08D B21 696  
Wellbore: Wellbore #1  
Design: Design #1  
Latitude: 39° 30' 52.121 N  
Longitude: 108° 6' 28.109 W  
Ground Level: 8288.00  
WELL @ 8288.00usft



#### WELL DETAILS: OM08D B21 696

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1622836.397	2264369.595	8288.00	39° 30' 52.121 N	108° 6' 28.109 W	

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

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
OM08D Tgt	9831.00	-1912.26	400.37	39° 30' 33.221 N	108° 6' 23.000 W	Rectangle (Sides: L100.00 W200.00)

#### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	Start 5114.27 hold at 1134.80 MD
1134.80	18.70	167.04	1118.30	-147.32	33.89	2.00	167.04	151.14	Start Drop -2.00
6249.07	18.70	167.04	5962.70	-1744.94	401.47	0.00	0.00	1790.18	Start DLS 0.25 TFO 240.26
7183.87	0.00	0.00	6881.00	-1892.26	435.37	2.00	180.00	1941.32	Start DLS 0.25 TFO 240.26
7515.68	0.83	240.26	7212.80	-1893.45	433.28	0.25	240.26	1942.05	Start 2618.47 hold at 7515.68 MD
10134.15	0.83	240.26	9831.00	-1912.26	400.37	0.00	0.00	1953.72	TD at 10134.15

#### PROJECT DETAILS: Garfield Co., CO (CO83C)

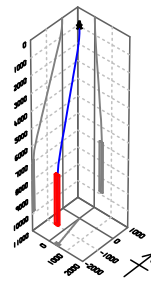
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

#### REFERENCE INFORMATION

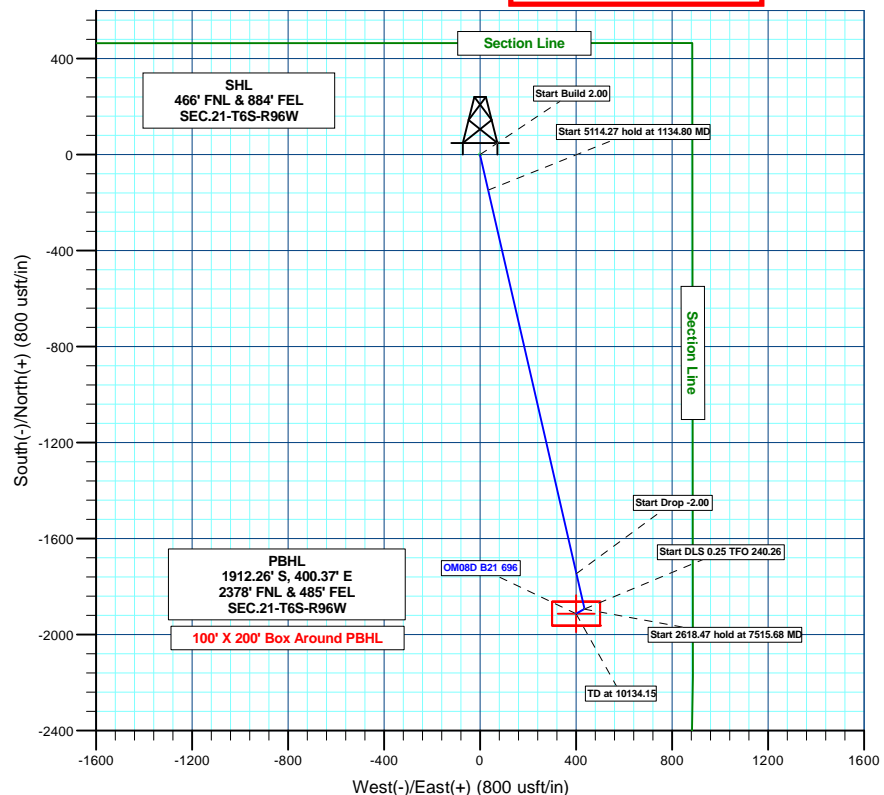
Co-ordinate (N/E) Reference: Well OM08D B21 696, True North  
Vertical (TVD) Reference: WELL @ 8288.00usft  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: WELL @ 8288.00usft  
Calculation Method: Minimum Curvature

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2481.00	2573.41	Wasatch
5081.00	5318.25	Ft. Union
6481.00	6782.56	Ohio Creek
6681.00	6983.70	Williams Fork
6881.00	7183.87	TOG
9331.00	9634.10	Cameo
9681.00	9984.14	Rollins SS

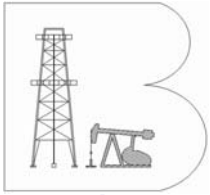


Azimuths to True North  
Magnetic North: 10.29°  
Magnetic Field  
Strength: 52141.8nT  
Dip Angle: 65.71°  
Date: 2012/04/19  
Model: IGRF2010



Plan: Design #1 (OM08D B21 696/Wellbore #1)

Created By: BRET WOLFORD Date: 14:40, May 02 2012



# **Berry Petroleum Company**

Garfield Co., CO (CO83C)

B21 696 Pad (Sec.21-T6S-R96W)

OM08D B21 696

Wellbore #1

Plan: Design #1

## **Standard Planning Report**

02 May, 2012





<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08D B21 696
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 8288.00usft
<b>Project:</b>	Garfield Co., CO (CO83C)	<b>MD Reference:</b>	WELL @ 8288.00usft
<b>Site:</b>	B21 696 Pad (Sec.21-T6S-R96W)	<b>North Reference:</b>	True
<b>Well:</b>	OM08D B21 696	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Garfield Co., CO (CO83C)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

Site	B21 696 Pad (Sec.21-T6S-R96W)				
Site Position:		Northing:	1,622,859.990 usft	Latitude:	39° 30' 52.358 N
From:	Lat/Long	Easting:	2,264,385.795 usft	Longitude:	108° 6' 27.911 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	-1.64 °

Well	OM08D B21 696					
Well Position	+N/-S	-24.05 usft	Northing:	1,622,836.397 usft	Latitude:	39° 30' 52.121 N
	+E/-W	-15.52 usft	Easting:	2,264,369.595 usft	Longitude:	108° 6' 28.109 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	8,288.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	04/19/12	10.29	65.71	52,142

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	9,831.00	0.00	0.00	168.17

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,134.80	18.70	167.04	1,118.30	-147.32	33.89	2.00	2.00	0.00	167.04	
6,249.07	18.70	167.04	5,962.70	-1,744.94	401.47	0.00	0.00	0.00	0.00	
7,183.87	0.00	0.00	6,881.00	-1,892.26	435.37	2.00	-2.00	0.00	180.00	
7,515.68	0.83	240.26	7,212.80	-1,893.45	433.28	0.25	0.25	-36.09	240.26	
10,134.15	0.83	240.26	9,831.00	-1,912.26	400.37	0.00	0.00	0.00	0.00	OM08D Tgt



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08D B21 696
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 8288.00usft
<b>Project:</b>	Garfield Co., CO (CO83C)	<b>MD Reference:</b>	WELL @ 8288.00usft
<b>Site:</b>	B21 696 Pad (Sec.21-T6S-R96W)	<b>North Reference:</b>	True
<b>Well:</b>	OM08D B21 696	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	2.00	167.04	299.98	-1.70	0.39	1.74	2.00	2.00	0.00
400.00	4.00	167.04	399.84	-6.80	1.56	6.98	2.00	2.00	0.00
500.00	6.00	167.04	499.45	-15.29	3.52	15.69	2.00	2.00	0.00
600.00	8.00	167.04	598.70	-27.17	6.25	27.87	2.00	2.00	0.00
700.00	10.00	167.04	697.47	-42.41	9.76	43.51	2.00	2.00	0.00
800.00	12.00	167.04	795.62	-61.01	14.04	62.59	2.00	2.00	0.00
900.00	14.00	167.04	893.06	-82.93	19.08	85.08	2.00	2.00	0.00
1,000.00	16.00	167.04	989.64	-108.15	24.88	110.96	2.00	2.00	0.00
1,100.00	18.00	167.04	1,085.27	-136.64	31.44	140.19	2.00	2.00	0.00
Start 5114.27 hold at 1134.80 MD									
1,134.80	18.70	167.04	1,118.30	-147.32	33.89	151.14	2.00	2.00	0.00
1,200.00	18.70	167.04	1,180.06	-167.69	38.58	172.03	0.00	0.00	0.00
1,300.00	18.70	167.04	1,274.78	-198.92	45.77	204.08	0.00	0.00	0.00
1,400.00	18.70	167.04	1,369.51	-230.16	52.96	236.13	0.00	0.00	0.00
1,500.00	18.70	167.04	1,464.23	-261.40	60.14	268.18	0.00	0.00	0.00
1,600.00	18.70	167.04	1,558.95	-292.64	67.33	300.23	0.00	0.00	0.00
1,700.00	18.70	167.04	1,653.68	-323.88	74.52	332.28	0.00	0.00	0.00
1,800.00	18.70	167.04	1,748.40	-355.12	81.70	364.32	0.00	0.00	0.00
1,900.00	18.70	167.04	1,843.12	-386.36	88.89	396.37	0.00	0.00	0.00
2,000.00	18.70	167.04	1,937.84	-417.59	96.08	428.42	0.00	0.00	0.00
2,100.00	18.70	167.04	2,032.57	-448.83	103.27	460.47	0.00	0.00	0.00
2,200.00	18.70	167.04	2,127.29	-480.07	110.45	492.52	0.00	0.00	0.00
2,300.00	18.70	167.04	2,222.01	-511.31	117.64	524.57	0.00	0.00	0.00
2,400.00	18.70	167.04	2,316.74	-542.55	124.83	556.61	0.00	0.00	0.00
2,500.00	18.70	167.04	2,411.46	-573.79	132.02	588.66	0.00	0.00	0.00
Wasatch									
2,573.41	18.70	167.04	2,481.00	-596.72	137.29	612.19	0.00	0.00	0.00
2,600.00	18.70	167.04	2,506.18	-605.02	139.20	620.71	0.00	0.00	0.00
2,700.00	18.70	167.04	2,600.91	-636.26	146.39	652.76	0.00	0.00	0.00
2,800.00	18.70	167.04	2,695.63	-667.50	153.58	684.81	0.00	0.00	0.00
2,900.00	18.70	167.04	2,790.35	-698.74	160.76	716.86	0.00	0.00	0.00
3,000.00	18.70	167.04	2,885.08	-729.98	167.95	748.90	0.00	0.00	0.00
3,100.00	18.70	167.04	2,979.80	-761.22	175.14	780.95	0.00	0.00	0.00
3,200.00	18.70	167.04	3,074.52	-792.46	182.33	813.00	0.00	0.00	0.00
3,300.00	18.70	167.04	3,169.25	-823.69	189.51	845.05	0.00	0.00	0.00
3,400.00	18.70	167.04	3,263.97	-854.93	196.70	877.10	0.00	0.00	0.00
3,500.00	18.70	167.04	3,358.69	-886.17	203.89	909.15	0.00	0.00	0.00
3,600.00	18.70	167.04	3,453.42	-917.41	211.08	941.19	0.00	0.00	0.00
3,700.00	18.70	167.04	3,548.14	-948.65	218.26	973.24	0.00	0.00	0.00
3,800.00	18.70	167.04	3,642.86	-979.89	225.45	1,005.29	0.00	0.00	0.00
3,900.00	18.70	167.04	3,737.59	-1,011.12	232.64	1,037.34	0.00	0.00	0.00
4,000.00	18.70	167.04	3,832.31	-1,042.36	239.83	1,069.39	0.00	0.00	0.00
4,100.00	18.70	167.04	3,927.03	-1,073.60	247.01	1,101.44	0.00	0.00	0.00
4,200.00	18.70	167.04	4,021.76	-1,104.84	254.20	1,133.48	0.00	0.00	0.00
4,300.00	18.70	167.04	4,116.48	-1,136.08	261.39	1,165.53	0.00	0.00	0.00
4,400.00	18.70	167.04	4,211.20	-1,167.32	268.57	1,197.58	0.00	0.00	0.00
4,500.00	18.70	167.04	4,305.93	-1,198.56	275.76	1,229.63	0.00	0.00	0.00
4,600.00	18.70	167.04	4,400.65	-1,229.79	282.95	1,261.68	0.00	0.00	0.00
4,700.00	18.70	167.04	4,495.37	-1,261.03	290.14	1,293.73	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08D B21 696
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 8288.00usft
<b>Project:</b>	Garfield Co., CO (CO83C)	<b>MD Reference:</b>	WELL @ 8288.00usft
<b>Site:</b>	B21 696 Pad (Sec.21-T6S-R96W)	<b>North Reference:</b>	True
<b>Well:</b>	OM08D B21 696	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	18.70	167.04	4,590.10	-1,292.27	297.32	1,325.77	0.00	0.00	0.00
4,900.00	18.70	167.04	4,684.82	-1,323.51	304.51	1,357.82	0.00	0.00	0.00
5,000.00	18.70	167.04	4,779.54	-1,354.75	311.70	1,389.87	0.00	0.00	0.00
5,100.00	18.70	167.04	4,874.27	-1,385.99	318.89	1,421.92	0.00	0.00	0.00
5,200.00	18.70	167.04	4,968.99	-1,417.22	326.07	1,453.97	0.00	0.00	0.00
5,300.00	18.70	167.04	5,063.71	-1,448.46	333.26	1,486.02	0.00	0.00	0.00
Ft. Union									
5,318.25	18.70	167.04	5,081.00	-1,454.16	334.57	1,491.87	0.00	0.00	0.00
5,400.00	18.70	167.04	5,158.44	-1,479.70	340.45	1,518.07	0.00	0.00	0.00
5,500.00	18.70	167.04	5,253.16	-1,510.94	347.63	1,550.11	0.00	0.00	0.00
5,600.00	18.70	167.04	5,347.88	-1,542.18	354.82	1,582.16	0.00	0.00	0.00
5,700.00	18.70	167.04	5,442.61	-1,573.42	362.01	1,614.21	0.00	0.00	0.00
5,800.00	18.70	167.04	5,537.33	-1,604.66	369.20	1,646.26	0.00	0.00	0.00
5,900.00	18.70	167.04	5,632.05	-1,635.89	376.38	1,678.31	0.00	0.00	0.00
6,000.00	18.70	167.04	5,726.78	-1,667.13	383.57	1,710.36	0.00	0.00	0.00
6,100.00	18.70	167.04	5,821.50	-1,698.37	390.76	1,742.40	0.00	0.00	0.00
6,200.00	18.70	167.04	5,916.22	-1,729.61	397.95	1,774.45	0.00	0.00	0.00
Start Drop -2.00									
6,249.07	18.70	167.04	5,962.70	-1,744.94	401.47	1,790.18	0.00	0.00	0.00
6,300.00	17.68	167.04	6,011.09	-1,760.43	405.04	1,806.07	2.00	-2.00	0.00
6,400.00	15.68	167.04	6,106.88	-1,788.40	411.47	1,834.76	2.00	-2.00	0.00
6,500.00	13.68	167.04	6,203.61	-1,813.09	417.15	1,860.09	2.00	-2.00	0.00
6,600.00	11.68	167.04	6,301.17	-1,834.47	422.07	1,882.03	2.00	-2.00	0.00
6,700.00	9.68	167.04	6,399.43	-1,852.53	426.23	1,900.56	2.00	-2.00	0.00
Ohio Creek									
6,782.56	8.03	167.04	6,481.00	-1,864.91	429.07	1,913.26	2.00	-2.00	0.00
6,800.00	7.68	167.04	6,498.28	-1,867.23	429.61	1,915.64	2.00	-2.00	0.00
6,900.00	5.68	167.04	6,597.60	-1,878.56	432.22	1,927.27	2.00	-2.00	0.00
Williams Fork									
6,983.70	4.00	167.04	6,681.00	-1,885.44	433.80	1,934.33	2.00	-2.00	0.00
7,000.00	3.68	167.04	6,697.26	-1,886.51	434.04	1,935.42	2.00	-2.00	0.00
7,100.00	1.68	167.04	6,797.14	-1,891.06	435.09	1,940.09	2.00	-2.00	0.00
Start DLS 0.25 TFO 240.26 - TOG									
7,183.87	0.00	0.00	6,881.00	-1,892.26	435.37	1,941.32	2.00	-2.00	0.00
7,200.00	0.04	240.26	6,897.13	-1,892.26	435.36	1,941.32	0.25	0.25	0.00
7,300.00	0.29	240.26	6,997.13	-1,892.40	435.11	1,941.41	0.25	0.25	0.00
7,400.00	0.54	240.26	7,097.13	-1,892.76	434.48	1,941.63	0.25	0.25	0.00
7,500.00	0.79	240.26	7,197.12	-1,893.34	433.47	1,941.99	0.25	0.25	0.00
Start 2618.47 hold at 7515.68 MD									
7,515.68	0.83	240.26	7,212.80	-1,893.45	433.28	1,942.05	0.25	0.25	0.00
7,600.00	0.83	240.26	7,297.11	-1,894.05	432.22	1,942.43	0.00	0.00	0.00
7,700.00	0.83	240.26	7,397.10	-1,894.77	430.96	1,942.88	0.00	0.00	0.00
7,800.00	0.83	240.26	7,497.09	-1,895.49	429.71	1,943.32	0.00	0.00	0.00
7,900.00	0.83	240.26	7,597.08	-1,896.21	428.45	1,943.77	0.00	0.00	0.00
8,000.00	0.83	240.26	7,697.07	-1,896.93	427.19	1,944.21	0.00	0.00	0.00
8,100.00	0.83	240.26	7,797.06	-1,897.64	425.94	1,944.66	0.00	0.00	0.00
8,200.00	0.83	240.26	7,897.05	-1,898.36	424.68	1,945.10	0.00	0.00	0.00
8,300.00	0.83	240.26	7,997.04	-1,899.08	423.42	1,945.55	0.00	0.00	0.00
8,400.00	0.83	240.26	8,097.03	-1,899.80	422.17	1,945.99	0.00	0.00	0.00
8,500.00	0.83	240.26	8,197.02	-1,900.52	420.91	1,946.44	0.00	0.00	0.00
8,600.00	0.83	240.26	8,297.01	-1,901.24	419.65	1,946.88	0.00	0.00	0.00
8,700.00	0.83	240.26	8,397.00	-1,901.95	418.39	1,947.33	0.00	0.00	0.00
8,800.00	0.83	240.26	8,496.99	-1,902.67	417.14	1,947.78	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08D B21 696
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 8288.00usft
<b>Project:</b>	Garfield Co., CO (CO83C)	<b>MD Reference:</b>	WELL @ 8288.00usft
<b>Site:</b>	B21 696 Pad (Sec.21-T6S-R96W)	<b>North Reference:</b>	True
<b>Well:</b>	OM08D B21 696	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,900.00	0.83	240.26	8,596.98	-1,903.39	415.88	1,948.22	0.00	0.00	0.00
9,000.00	0.83	240.26	8,696.97	-1,904.11	414.62	1,948.67	0.00	0.00	0.00
9,100.00	0.83	240.26	8,796.96	-1,904.83	413.37	1,949.11	0.00	0.00	0.00
9,200.00	0.83	240.26	8,896.94	-1,905.55	412.11	1,949.56	0.00	0.00	0.00
9,300.00	0.83	240.26	8,996.93	-1,906.26	410.85	1,950.00	0.00	0.00	0.00
9,400.00	0.83	240.26	9,096.92	-1,906.98	409.60	1,950.45	0.00	0.00	0.00
9,500.00	0.83	240.26	9,196.91	-1,907.70	408.34	1,950.89	0.00	0.00	0.00
9,600.00	0.83	240.26	9,296.90	-1,908.42	407.08	1,951.34	0.00	0.00	0.00
Cameo									
9,634.10	0.83	240.26	9,331.00	-1,908.66	406.65	1,951.49	0.00	0.00	0.00
9,700.00	0.83	240.26	9,396.89	-1,909.14	405.82	1,951.78	0.00	0.00	0.00
9,800.00	0.83	240.26	9,496.88	-1,909.86	404.57	1,952.23	0.00	0.00	0.00
9,900.00	0.83	240.26	9,596.87	-1,910.57	403.31	1,952.68	0.00	0.00	0.00
Rollins SS									
9,984.14	0.83	240.26	9,681.00	-1,911.18	402.25	1,953.05	0.00	0.00	0.00
10,000.00	0.83	240.26	9,696.86	-1,911.29	402.05	1,953.12	0.00	0.00	0.00
10,100.00	0.83	240.26	9,796.85	-1,912.01	400.80	1,953.57	0.00	0.00	0.00
TD at 10134.15 - OM08D Tgt									
10,134.15	0.83	240.26	9,831.00	-1,912.26	400.37	1,953.72	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
OM08D Tgt	0.00	0.00	9,831.00	-1,912.26	400.37	1,620,913.438	2,264,714.912	39° 30' 33.221 N	108° 6' 23.000 W
- plan hits target center									
- Rectangle (sides W100.00 H200.00 D0.00)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,573.41	2,481.00	Wasatch		0.00		
5,318.25	5,081.00	Ft. Union		0.00		
6,782.56	6,481.00	Ohio Creek		0.00		
6,983.70	6,681.00	Williams Fork		0.00		
7,183.87	6,881.00	TOG		0.00		
9,634.10	9,331.00	Cameo		0.00		
9,984.14	9,681.00	Rollins SS		0.00		



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08D B21 696
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 8288.00usft
<b>Project:</b>	Garfield Co., CO (CO83C)	<b>MD Reference:</b>	WELL @ 8288.00usft
<b>Site:</b>	B21 696 Pad (Sec.21-T6S-R96W)	<b>North Reference:</b>	True
<b>Well:</b>	OM08D B21 696	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.00	200.00	0.00	0.00	Start Build 2.00
1,134.80	1,118.30	-147.32	33.89	Start 5114.27 hold at 1134.80 MD
6,249.07	5,962.70	-1,744.94	401.47	Start Drop -2.00
7,183.87	6,881.00	-1,892.26	435.37	Start DLS 0.25 TFO 240.26
7,515.68	7,212.80	-1,893.45	433.28	Start 2618.47 hold at 7515.68 MD
10,134.15	9,831.00	-1,912.26	400.37	TD at 10134.15