

# Well Planning Proposal FOR

**Berry Petroleum Co.  
SHP OM08C 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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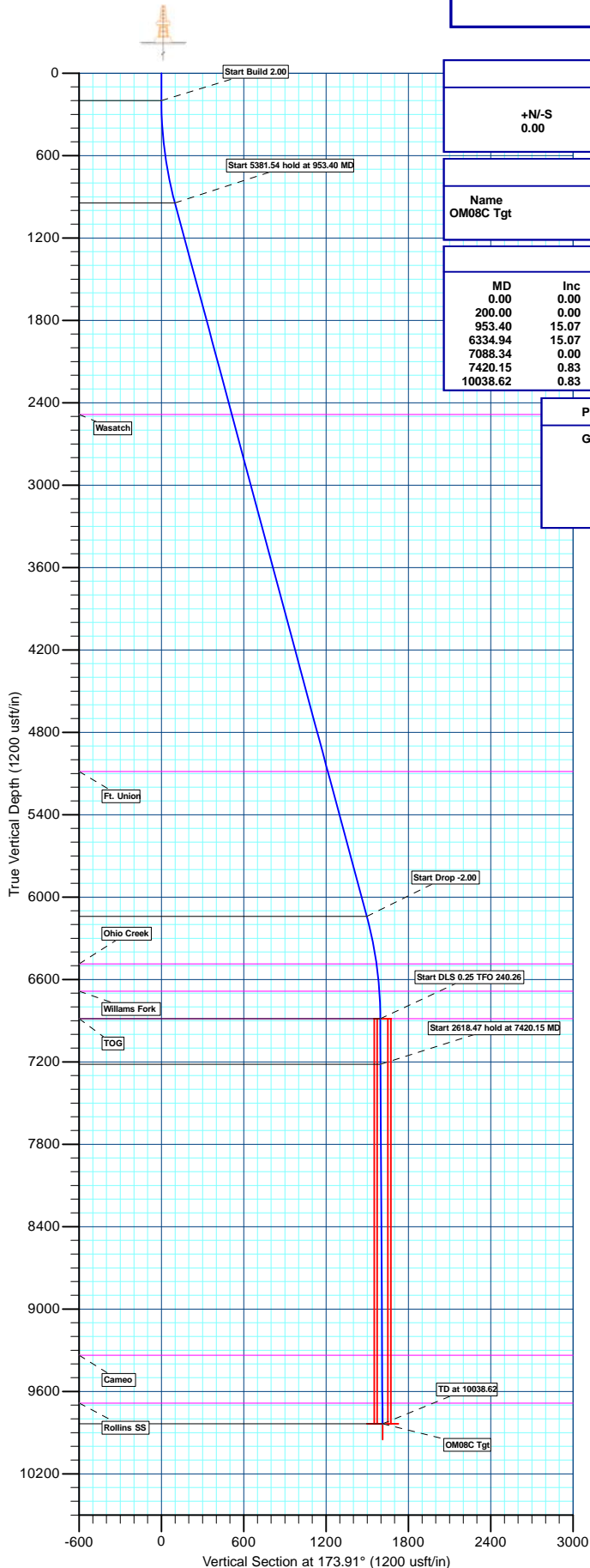
Bret Wolford  
Well Planner



  
**Sharewell**  
Energy Services



Berry Petroleum Company  
 Project: Garfield Co., CO (CO83C)  
 Site: B21 696 Pad (Sec.21-T6S-R96W)  
 Well: OM08C B21 696  
 Wellbore: Wellbore #1  
 Design: Design #1  
 Latitude: 39° 30' 52.070 N  
 Longitude: 108° 6' 28.192 W  
 Ground Level: 8288.00  
 WELL @ 8288.00usft



WELL DETAILS: OM08C B21 696									
+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot		
0.00	0.00	1622831.486	2264362.962	8288.00	39° 30' 52.070 N	108° 6' 28.192 W			

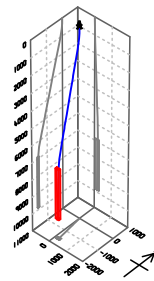
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)							
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape	
OM08C Tgt	9836.00	-1602.65	170.98	39° 30' 36.230 N	108° 6' 26.010 W	Rectangle (Sides: L100.00 W200.00)	

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 5381.54 hold at 953.40 MD
953.40	15.07	172.58	944.74	-97.67	12.71	2.00	172.58	98.47	Start Drop -2.00
6334.94	15.07	172.58	6141.26	-1484.98	193.27	0.00	0.00	1497.10	Start DLS 0.25 TFO 240.26
7088.34	0.00	0.00	6886.00	-1582.65	205.98	2.00	180.00	1595.57	Start 2618.47 hold at 7420.15 MD
7420.15	0.83	240.26	7217.80	-1583.84	203.89	0.25	240.26	1596.54	TD at 10038.62
10038.62	0.83	240.26	9836.00	-1602.65	170.98	0.00	0.00	1611.75	

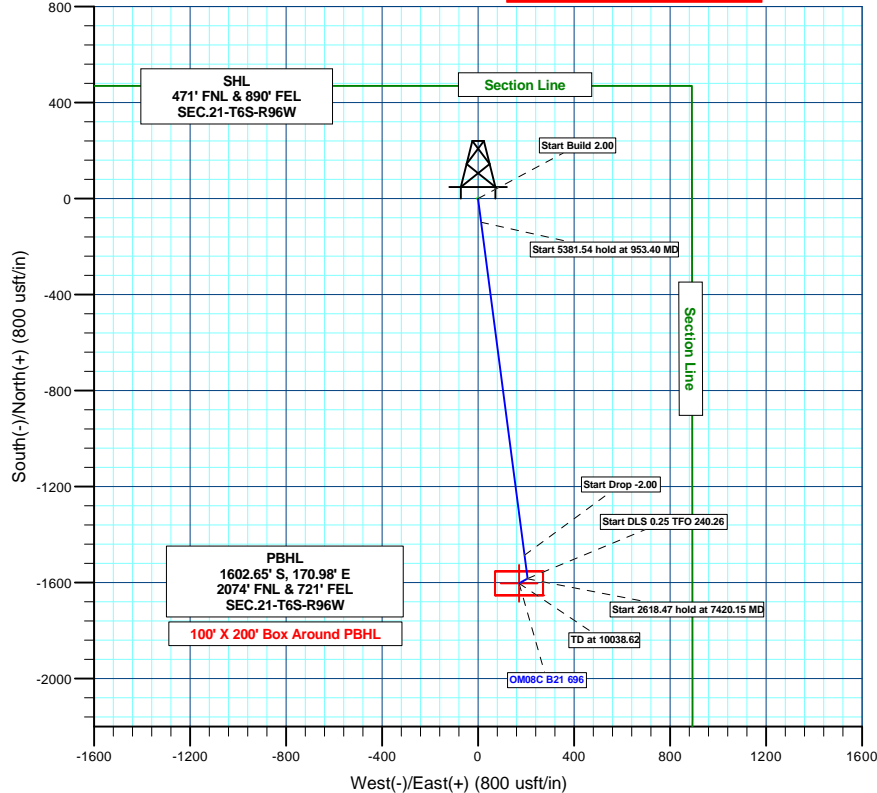
PROJECT DETAILS: Garfield Co., CO (CO83C)  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Central Zone  
 System Datum: Mean Sea Level

REFERENCE INFORMATION  
 Co-ordinate (N/E) Reference: Well OM08C 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

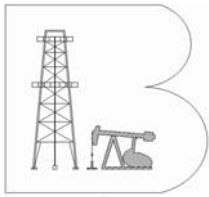


FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2486.00	2549.53	Wasatch
5086.00	5242.11	Ft. Union
6486.00	6687.02	Ohio Creek
6686.00	6888.17	Williams Fork
6886.00	7088.34	TOG
9336.00	9538.57	Cameo
9686.00	9888.61	Rollins SS

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



Plan: Design #1 (OM08C B21 696/Wellbore #1)  
 Created By: BRET WOLFORD Date: 15:56, May 02 2012



# **Berry Petroleum Company**

Garfield Co., CO (CO83C)

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

OM08C 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 OM08C 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>	OM08C 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		

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

Well	OM08C B21 696					
Well Position	+N/-S	-29.15 usft	Northing:	1,622,831.486 usft	Latitude:	39° 30' 52.070 N
	+E/-W	-22.01 usft	Easting:	2,264,362.962 usft	Longitude:	108° 6' 28.192 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>
	9,836.00	0.00	0.00	173.91

<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	
953.40	15.07	172.58	944.74	-97.67	12.71	2.00	2.00	0.00	172.58	
6,334.94	15.07	172.58	6,141.26	-1,484.98	193.27	0.00	0.00	0.00	0.00	
7,088.34	0.00	0.00	6,886.00	-1,582.65	205.98	2.00	-2.00	0.00	180.00	
7,420.15	0.83	240.26	7,217.80	-1,583.84	203.89	0.25	0.25	-36.09	240.26	
10,038.62	0.83	240.26	9,836.00	-1,602.65	170.98	0.00	0.00	0.00	0.00	OM08C Tgt



**Database:** EDM 5000.1 Single User Db  
**Company:** Berry Petroleum Company  
**Project:** Garfield Co., CO (CO83C)  
**Site:** B21 696 Pad (Sec.21-T6S-R96W)  
**Well:** OM08C B21 696  
**Wellbore:** Wellbore #1  
**Design:** Design #1

**Local Co-ordinate Reference:** Well OM08C B21 696  
**TVD Reference:** WELL @ 8288.00usft  
**MD Reference:** WELL @ 8288.00usft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

## 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
<b>Start Build 2.00</b>									
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	2.00	172.58	299.98	-1.73	0.23	1.74	2.00	2.00	0.00
400.00	4.00	172.58	399.84	-6.92	0.90	6.98	2.00	2.00	0.00
500.00	6.00	172.58	499.45	-15.56	2.03	15.69	2.00	2.00	0.00
600.00	8.00	172.58	598.70	-27.65	3.60	27.87	2.00	2.00	0.00
700.00	10.00	172.58	697.47	-43.16	5.62	43.51	2.00	2.00	0.00
800.00	12.00	172.58	795.62	-62.08	8.08	62.59	2.00	2.00	0.00
900.00	14.00	172.58	893.06	-84.38	10.98	85.07	2.00	2.00	0.00
<b>Start 5381.54 hold at 953.40 MD</b>									
953.40	15.07	172.58	944.74	-97.67	12.71	98.47	2.00	2.00	0.00
1,000.00	15.07	172.58	989.74	-109.69	14.28	110.58	0.00	0.00	0.00
1,100.00	15.07	172.58	1,086.31	-135.47	17.63	136.57	0.00	0.00	0.00
1,200.00	15.07	172.58	1,182.87	-161.24	20.99	162.56	0.00	0.00	0.00
1,300.00	15.07	172.58	1,279.43	-187.02	24.34	188.55	0.00	0.00	0.00
1,400.00	15.07	172.58	1,375.99	-212.80	27.70	214.54	0.00	0.00	0.00
1,500.00	15.07	172.58	1,472.55	-238.58	31.05	240.53	0.00	0.00	0.00
1,600.00	15.07	172.58	1,569.11	-264.36	34.41	266.52	0.00	0.00	0.00
1,700.00	15.07	172.58	1,665.68	-290.14	37.76	292.51	0.00	0.00	0.00
1,800.00	15.07	172.58	1,762.24	-315.92	41.12	318.50	0.00	0.00	0.00
1,900.00	15.07	172.58	1,858.80	-341.70	44.47	344.49	0.00	0.00	0.00
2,000.00	15.07	172.58	1,955.36	-367.48	47.83	370.48	0.00	0.00	0.00
2,100.00	15.07	172.58	2,051.92	-393.26	51.18	396.47	0.00	0.00	0.00
2,200.00	15.07	172.58	2,148.49	-419.03	54.54	422.46	0.00	0.00	0.00
2,300.00	15.07	172.58	2,245.05	-444.81	57.89	448.44	0.00	0.00	0.00
2,400.00	15.07	172.58	2,341.61	-470.59	61.25	474.43	0.00	0.00	0.00
2,500.00	15.07	172.58	2,438.17	-496.37	64.60	500.42	0.00	0.00	0.00
<b>Wasatch</b>									
2,549.53	15.07	172.58	2,486.00	-509.14	66.26	513.30	0.00	0.00	0.00
2,600.00	15.07	172.58	2,534.73	-522.15	67.96	526.41	0.00	0.00	0.00
2,700.00	15.07	172.58	2,631.29	-547.93	71.31	552.40	0.00	0.00	0.00
2,800.00	15.07	172.58	2,727.86	-573.71	74.67	578.39	0.00	0.00	0.00
2,900.00	15.07	172.58	2,824.42	-599.49	78.02	604.38	0.00	0.00	0.00
3,000.00	15.07	172.58	2,920.98	-625.27	81.38	630.37	0.00	0.00	0.00
3,100.00	15.07	172.58	3,017.54	-651.05	84.73	656.36	0.00	0.00	0.00
3,200.00	15.07	172.58	3,114.10	-676.82	88.09	682.35	0.00	0.00	0.00
3,300.00	15.07	172.58	3,210.67	-702.60	91.44	708.34	0.00	0.00	0.00
3,400.00	15.07	172.58	3,307.23	-728.38	94.80	734.33	0.00	0.00	0.00
3,500.00	15.07	172.58	3,403.79	-754.16	98.15	760.32	0.00	0.00	0.00
3,600.00	15.07	172.58	3,500.35	-779.94	101.51	786.31	0.00	0.00	0.00
3,700.00	15.07	172.58	3,596.91	-805.72	104.86	812.30	0.00	0.00	0.00
3,800.00	15.07	172.58	3,693.47	-831.50	108.22	838.29	0.00	0.00	0.00
3,900.00	15.07	172.58	3,790.04	-857.28	111.57	864.28	0.00	0.00	0.00
4,000.00	15.07	172.58	3,886.60	-883.06	114.93	890.27	0.00	0.00	0.00
4,100.00	15.07	172.58	3,983.16	-908.84	118.28	916.26	0.00	0.00	0.00
4,200.00	15.07	172.58	4,079.72	-934.61	121.64	942.24	0.00	0.00	0.00
4,300.00	15.07	172.58	4,176.28	-960.39	124.99	968.23	0.00	0.00	0.00
4,400.00	15.07	172.58	4,272.85	-986.17	128.35	994.22	0.00	0.00	0.00
4,500.00	15.07	172.58	4,369.41	-1,011.95	131.70	1,020.21	0.00	0.00	0.00
4,600.00	15.07	172.58	4,465.97	-1,037.73	135.06	1,046.20	0.00	0.00	0.00
4,700.00	15.07	172.58	4,562.53	-1,063.51	138.41	1,072.19	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well OM08C B21 696
Company:	Berry Petroleum Company	TVD Reference:	WELL @ 8288.00usft
Project:	Garfield Co., CO (CO83C)	MD Reference:	WELL @ 8288.00usft
Site:	B21 696 Pad (Sec.21-T6S-R96W)	North Reference:	True
Well:	OM08C B21 696	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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	15.07	172.58	4,659.09	-1,089.29	141.77	1,098.18	0.00	0.00	0.00
4,900.00	15.07	172.58	4,755.65	-1,115.07	145.12	1,124.17	0.00	0.00	0.00
5,000.00	15.07	172.58	4,852.22	-1,140.85	148.48	1,150.16	0.00	0.00	0.00
5,100.00	15.07	172.58	4,948.78	-1,166.63	151.83	1,176.15	0.00	0.00	0.00
5,200.00	15.07	172.58	5,045.34	-1,192.40	155.19	1,202.14	0.00	0.00	0.00
Ft. Union									
5,242.11	15.07	172.58	5,086.00	-1,203.26	156.60	1,213.08	0.00	0.00	0.00
5,300.00	15.07	172.58	5,141.90	-1,218.18	158.54	1,228.13	0.00	0.00	0.00
5,400.00	15.07	172.58	5,238.46	-1,243.96	161.90	1,254.12	0.00	0.00	0.00
5,500.00	15.07	172.58	5,335.03	-1,269.74	165.25	1,280.11	0.00	0.00	0.00
5,600.00	15.07	172.58	5,431.59	-1,295.52	168.61	1,306.10	0.00	0.00	0.00
5,700.00	15.07	172.58	5,528.15	-1,321.30	171.96	1,332.09	0.00	0.00	0.00
5,800.00	15.07	172.58	5,624.71	-1,347.08	175.32	1,358.08	0.00	0.00	0.00
5,900.00	15.07	172.58	5,721.27	-1,372.86	178.67	1,384.07	0.00	0.00	0.00
6,000.00	15.07	172.58	5,817.83	-1,398.64	182.03	1,410.05	0.00	0.00	0.00
6,100.00	15.07	172.58	5,914.40	-1,424.42	185.39	1,436.04	0.00	0.00	0.00
6,200.00	15.07	172.58	6,010.96	-1,450.19	188.74	1,462.03	0.00	0.00	0.00
6,300.00	15.07	172.58	6,107.52	-1,475.97	192.10	1,488.02	0.00	0.00	0.00
Start Drop -2.00									
6,334.94	15.07	172.58	6,141.26	-1,484.98	193.27	1,497.10	0.00	0.00	0.00
6,400.00	13.77	172.58	6,204.27	-1,501.04	195.36	1,513.30	2.00	-2.00	0.00
6,500.00	11.77	172.58	6,301.79	-1,522.96	198.21	1,535.39	2.00	-2.00	0.00
6,600.00	9.77	172.58	6,400.03	-1,541.48	200.62	1,554.06	2.00	-2.00	0.00
Ohio Creek									
6,687.02	8.03	172.58	6,486.00	-1,554.82	202.36	1,567.52	2.00	-2.00	0.00
6,700.00	7.77	172.58	6,498.85	-1,556.59	202.59	1,569.30	2.00	-2.00	0.00
6,800.00	5.77	172.58	6,598.15	-1,568.28	204.11	1,581.08	2.00	-2.00	0.00
Williams Fork									
6,888.17	4.00	172.58	6,686.00	-1,575.72	205.08	1,588.59	2.00	-2.00	0.00
6,900.00	3.77	172.58	6,697.80	-1,576.52	205.18	1,589.39	2.00	-2.00	0.00
7,000.00	1.77	172.58	6,797.68	-1,581.30	205.80	1,594.21	2.00	-2.00	0.00
Start DLS 0.25 TFO 240.26 - TOG									
7,088.34	0.00	0.00	6,886.00	-1,582.65	205.98	1,595.57	2.00	-2.00	0.00
7,100.00	0.03	240.26	6,897.66	-1,582.65	205.98	1,595.57	0.25	0.25	0.00
7,200.00	0.28	240.26	6,997.66	-1,582.79	205.74	1,595.68	0.25	0.25	0.00
7,300.00	0.53	240.26	7,097.66	-1,583.14	205.13	1,595.97	0.25	0.25	0.00
7,400.00	0.78	240.26	7,197.66	-1,583.70	204.14	1,596.42	0.25	0.25	0.00
Start 2618.47 hold at 7420.15 MD									
7,420.15	0.83	240.26	7,217.80	-1,583.84	203.89	1,596.54	0.25	0.25	0.00
7,500.00	0.83	240.26	7,297.64	-1,584.42	202.89	1,597.00	0.00	0.00	0.00
7,600.00	0.83	240.26	7,397.63	-1,585.14	201.63	1,597.58	0.00	0.00	0.00
7,700.00	0.83	240.26	7,497.62	-1,585.85	200.38	1,598.16	0.00	0.00	0.00
7,800.00	0.83	240.26	7,597.61	-1,586.57	199.12	1,598.74	0.00	0.00	0.00
7,900.00	0.83	240.26	7,697.60	-1,587.29	197.86	1,599.32	0.00	0.00	0.00
8,000.00	0.83	240.26	7,797.59	-1,588.01	196.61	1,599.91	0.00	0.00	0.00
8,100.00	0.83	240.26	7,897.58	-1,588.73	195.35	1,600.49	0.00	0.00	0.00
8,200.00	0.83	240.26	7,997.57	-1,589.45	194.09	1,601.07	0.00	0.00	0.00
8,300.00	0.83	240.26	8,097.56	-1,590.16	192.83	1,601.65	0.00	0.00	0.00
8,400.00	0.83	240.26	8,197.55	-1,590.88	191.58	1,602.23	0.00	0.00	0.00
8,500.00	0.83	240.26	8,297.54	-1,591.60	190.32	1,602.81	0.00	0.00	0.00
8,600.00	0.83	240.26	8,397.53	-1,592.32	189.06	1,603.39	0.00	0.00	0.00
8,700.00	0.83	240.26	8,497.52	-1,593.04	187.81	1,603.97	0.00	0.00	0.00
8,800.00	0.83	240.26	8,597.51	-1,593.76	186.55	1,604.55	0.00	0.00	0.00



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08C 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>	OM08C 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	8,697.50	-1,594.47	185.29	1,605.13	0.00	0.00	0.00	
9,000.00	0.83	240.26	8,797.49	-1,595.19	184.03	1,605.71	0.00	0.00	0.00	
9,100.00	0.83	240.26	8,897.48	-1,595.91	182.78	1,606.30	0.00	0.00	0.00	
9,200.00	0.83	240.26	8,997.47	-1,596.63	181.52	1,606.88	0.00	0.00	0.00	
9,300.00	0.83	240.26	9,097.46	-1,597.35	180.26	1,607.46	0.00	0.00	0.00	
9,400.00	0.83	240.26	9,197.45	-1,598.07	179.01	1,608.04	0.00	0.00	0.00	
9,500.00	0.83	240.26	9,297.44	-1,598.78	177.75	1,608.62	0.00	0.00	0.00	
<b>Cameo</b>										
9,538.57	0.83	240.26	9,336.00	-1,599.06	177.27	1,608.84	0.00	0.00	0.00	
9,600.00	0.83	240.26	9,397.42	-1,599.50	176.49	1,609.20	0.00	0.00	0.00	
9,700.00	0.83	240.26	9,497.41	-1,600.22	175.24	1,609.78	0.00	0.00	0.00	
9,800.00	0.83	240.26	9,597.40	-1,600.94	173.98	1,610.36	0.00	0.00	0.00	
<b>Rollins SS</b>										
9,888.61	0.83	240.26	9,686.00	-1,601.58	172.87	1,610.88	0.00	0.00	0.00	
9,900.00	0.83	240.26	9,697.39	-1,601.66	172.72	1,610.94	0.00	0.00	0.00	
10,000.00	0.83	240.26	9,797.38	-1,602.38	171.46	1,611.52	0.00	0.00	0.00	
<b>TD at 10038.62 - OM08C Tgt</b>										
10,038.62	0.83	240.26	9,836.00	-1,602.65	170.98	1,611.75	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										
OM08C Tgt	0.00	0.00	9,836.00	-1,602.65	170.98	1,621,224.586	2,264,487.872	39° 30' 36.230 N	108° 6' 26.010 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 (°)	
2,549.53	2,486.00	Wasatch		0.00		
5,242.11	5,086.00	Ft. Union		0.00		
6,687.02	6,486.00	Ohio Creek		0.00		
6,888.17	6,686.00	Williams Fork		0.00		
7,088.34	6,886.00	TOG		0.00		
9,538.57	9,336.00	Cameo		0.00		
9,888.61	9,686.00	Rollins SS		0.00		



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well OM08C 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>	OM08C 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
953.40	944.74	-97.67	12.71	Start 5381.54 hold at 953.40 MD
6,334.94	6,141.26	-1,484.98	193.27	Start Drop -2.00
7,088.34	6,886.00	-1,582.65	205.98	Start DLS 0.25 TFO 240.26
7,420.15	7,217.80	-1,583.84	203.89	Start 2618.47 hold at 7420.15 MD
10,038.62	9,836.00	-1,602.65	170.98	TD at 10038.62